

## ENCLOSURE | STORAGE | PLATFORM | SOLUTION



Building Efficient Solutions Together

Customizable for various applications:

Cloud Data Center | Network Security | Media and Entertainment | Industrial PC | Surveillance *and more*

# Worldwide Deployment

Fremont, CA | United States

**Northern California**



East Hanover, NJ | United States

**New Jersey**



Moscow | Russia

**Moscow**



Taoyuan City | Taiwan

**Taipei (HQ)**



**Southern California**

City of Industry, CA | United States



**Utrecht**

Houten | The Netherlands



**Shanghai**

Shanghai | China





# About AIC

AIC is a leading provider of both OEM/ODM and COTS (commercial off-the-shelf) and server and storage solutions. With expert in-house design, manufacturing and validation capabilities, AIC's products are highly flexible and configurable to any form factor, standard or custom. AIC leads the industry since 1996 with experience in mechanical, electronic, system-level engineering as well as a dedication to innovation and customer satisfaction. Headquartered in Taiwan, AIC has offices and operations throughout the United States, Asia and Europe. For more information on AIC products, please visit our website: [www.aicpc.com](http://www.aicpc.com)

**Mission** To stay ahead of the competition, delivering the latest technologies, while maintaining a quality-driven, high-efficiency operation with excellent service and support.

**Vision** To be the top high-mix small/medium-volume OEM/ODM solution provider.

## Solution Groups

### Storage

AIC provides JBOD storage enclosures with hot swap and modular design features. The JBODs are available in 2U, 3U and 4U form factors, supporting from 12 to 108 drives.



### Enclosure

AIC offers rackmount chassis for various applications. There are 30 models to choose from. You can also have us modify the chassis or design one from scratch for your project.



### Platform

AIC's server hardware features MAX I/O™ technology which supports maximum PCI express lanes and allows for highly customizable solutions to be created in the shortest possible design period.



**Storage Solutions Group (SSG)**

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**APPLICATIONS :** Near-line Database Expansion Storage • High Performance Direct Attached Storage for HPC or Application Server • Virtual Tape Library • Multimedia on Demand • Online E-mail Storage • Local Storage for Video Post-productions • Digital Content Source Database Storage • Private / Public Cloud Expansion

## J2024-01



### Features :

- Intelligent Enclosure Management
- Individual drive power management
- Cutting edge performance and scalability
- Expander Self-discovery/Self-configuration (connects Mini SAS port to host or expansion)
- Drive trays support interposers
- Supports SES-2 (SCSI Enclosure Service)
- Hot swap design for easy maintenance and management
- Adjustable Thermal Profile
- Easy deployment

FRONT VIEW

24 x 2.5" hot swap drive bays  
(for both HDDs and SSDs)



REAR VIEW

2 x 6038 hot swap fans



3 x Mini SAS HD

549W 1+1 hot swap redundant power supply 80+ Platinum

### SPECIFICATIONS

<b>General</b>	Number of Expander	Single/Dual
	Expander Chip	Broadcom SAS3x36R
	Host/Expansion Interface	3 x Mini SAS HD (SFF-8644) per expander module
<b>Drives Supported</b>	Drive Interface	12Gb & 6Gb SAS if using dual expanders 12Gb & 6Gb SAS/SATA if using single expander (Interposer kits are optional)
	Form Factor	SFF 2.5"
<b>Administration / Management</b>	Admin/Firmware Upgrade	In-band & Serial port interface IEM port (Optional)
	LED Indicators, Audible Alarm	Yes
<b>Hot swap and Redundancy</b>	Drive Bays	24
	Cooling	2 x 6038 hot swap fans
	Power Supply	549W 1+1 hot swap redundant 80+ Platinum
	Power Entry	Dual AC Inlet
	Expander Modules	Dual expanders (Optional)

<b>Electrical and Environmental</b>	Universal A/C Input	100~240V AC full range
	Operating Environment	Temperature : 0°C to 35°C Relative humidity : 20% to 80%
	Non-operating Environment	Temperature : -20°C to 60°C Relative humidity : 10% to 90%
<b>Physical Specification</b>	Dimensions (W x D x H)	mm : 435 x 511 x 88.2 inches : 17.1 x 20.1 x 3.5
	Gross Weight (w/ PSU, w/o Rail & Disks)	kgs : 23 lbs : 51
<b>Mounting</b>	Packaging Dimensions (W x D x H)	mm : 600 x 810 x 280 inches : 23.6 x 31.9 x 11
	Options	Adjustable plate  20" tool-less rail (North America Standard)

**APPLICATIONS :** Near-line Database Expansion Storage • High Performance Direct Attached Storage for HPC or Application Server • Virtual Tape Library • Multimedia on Demand • Online E-mail Storage • Local Storage for Video Post-productions • Digital Content Source Database Storage • Private / Public Cloud Expansion

## J2024-02



### Features :

- Intelligent Enclosure Management
- Individual drive power management
- Cutting edge performance and scalability
- Expander Self-discovery/Self-configuration (connects Mini SAS port to host or expansion)
- Supports SES-2 (SCSI Enclosure Service)
- Hot swap design for easy maintenance and management
- Tool-less drive trays
- Adjustable Thermal Profile
- Easy deployment

FRONT VIEW

24 x 2.5" hot swap drive bays  
(for both HDDs and SSDs)



REAR VIEW

2 x 6038 hot swap fans



3 x Mini SAS HD

549W 1+1 hot swap redundant power supply 80+ Platinum

### SPECIFICATIONS

<b>General</b>	Number of Expander	Single/Dual
	Expander Chip	Broadcom SAS3x36R
	Host/Expansion Interface	3 x Mini SAS HD (SFF-8644) per expander module
<b>Drives Supported</b>	Drive Interface	12Gb & 6Gb SAS if using dual expanders 12Gb & 6Gb SAS/SATA if using single expander
	Form Factor	SFF 2.5"
<b>Administration / Management</b>	Admin/Firmware Upgrade	In-band & Serial port interface IEM port (Optional)
	LED Indicators, Audible Alarm	Yes
<b>Hot swap and Redundancy</b>	Drive Bays	24
	Cooling	2 x 6038 hot swap fans
	Power Supply	549W 1+1 hot swap redundant 80+ Platinum
	Power Entry	Dual AC Inlet
	Expander Modules	Dual expanders (Optional)

<b>Electrical and Environmental</b>	Universal A/C Input	100~240V AC full range
	Operating Environment	Temperature : 0°C to 35°C Relative humidity : 20% to 80%
	Non-operating Environment	Temperature : -20°C to 60°C Relative humidity : 10% to 90%
<b>Physical Specification</b>	Dimensions (W x D x H)	mm : 430 x 534 x 88.2 inches : 16.9 x 21 x 3.5
	Gross Weight (w/ PSU, w/o Rail & Disks)	kgs : 23 lbs : 51
	Packaging Dimensions (W x D x H)	mm : 595 x 785 x 278 inches : 23.4 x 30.9 x 10.9
<b>Mounting</b>	Options	Adjustable plate 20" tool-less rail (North America Standard)



**APPLICATIONS :** Near-line Database Expansion Storage • High Performance Direct Attached Storage for HPC or Application Server • Virtual Tape Library • Multimedia on Demand • Online E-mail Storage • Local Storage for Video Post-productions • Digital Content Source Database Storage • Private / Public Cloud Expansion

## J2012-01



### Features :

- Intelligent Enclosure Management
- Individual drive power management
- Cutting edge performance and scalability
- Expander Self-discovery/Self-configuration (connects Mini SAS port to host or expansion)
- Supports SES-2 (SCSI Enclosure Service)
- Hot swap design for easy maintenance and management
- Tool-less drive trays (come with screw holes to adapt to 2.5" drives)
- Adjustable Thermal Profile
- Easy deployment

FRONT VIEW

12 x 3.5" hot swap drive bays



REAR VIEW

2 x 6038 hot swap fans



3 x Mini SAS HD

549W 1+1 hot swap redundant power supply 80+ Platinum

### SPECIFICATIONS

<b>General</b>	Number of Expander	Single/Dual
	Expander Chip	Broadcom SAS3x28R
	Host/Expansion Interface	3 x Mini SAS HD (SFF-8644) per expander module
<b>Drives Supported</b>	Drive Interface	12Gb & 6Gb SAS if using dual expanders 12Gb & 6Gb SAS/SATA if using single expander
	Form Factor	3.5"
<b>Administration / Management</b>	Admin/Firmware Upgrade	In-band & Serial port interface IEM port (Optional)
	LED indicators, Audible Alarm	Yes
<b>Hot swap and Redundancy</b>	Drive Bays	12
	Cooling	2 x 6038 hot swap fans
	Power Supply	549W 1+1 hot swap redundant 80+ Platinum
	Power Entry	Dual AC Inlet
	Expander Modules	Dual expanders (Optional)

<b>Electrical and Environmental</b>	Universal A/C Input	100~240V AC full range
	Operating Environment	Temperature : 0°C to 35°C Relative humidity : 20% to 80%
	Non-operating Environment	Temperature : -20°C to 60°C Relative humidity : 10% to 90%
<b>Physical Specification</b>	Dimensions (W x D x H)	mm : 430 x 534 x 88.2 inches : 16.9 x 21 x 3.5
	Gross Weight (w/ PSU, w/o Rail & Disks)	kgs : 22.1 lbs : 46.3
	Packaging Dimensions (W x D x H)	mm : 595 x 785 x 278 inches : 23.4 x 30.9 x 10.9
<b>Mounting</b>	Options	Adjustable plate  20" tool-less rail (North America Standard)

**APPLICATIONS :** Near-line Database Expansion Storage • High Performance Direct Attached Storage for HPC or Application Server • Virtual Tape Library • Multimedia on Demand • Online E-mail Storage • Local Storage for Video Post-productions • Digital Content Source Database Storage • Private / Public Cloud Expansion

## J3016-01



### Features :

- Intelligent Enclosure Management
- Individual drive power management
- Cutting edge performance and scalability
- Expander Self-discovery/Self-configuration (connects Mini SAS port to host or expansion)
- Supports SES-2 (SCSI Enclosure Service)
- Hot swap design for easy maintenance and management
- Tool-less drive trays (come with screw holes to adapt to 2.5" drives)
- Adjustable Thermal Profile
- Easy deployment

FRONT VIEW

16 x 3.5" hot swap drive bays



REAR VIEW

2 x 8038 hot swap fans



3 x Mini SAS HD

549W 1+1 hot swap redundant power supply 80+ Platinum

### SPECIFICATIONS

<b>General</b>	Number of Expander	Single/Dual
	Expander Chip	Broadcom SAS3x28R
	Host/Expansion Interface	3 x Mini SAS HD (SFF-8644) per expander module
<b>Drives Supported</b>	Drive Interface	12Gb & 6Gb SAS if using dual expanders 12Gb & 6Gb SAS/SATA if using single expander
	Form Factor	3.5"
<b>Administration / Management</b>	Admin/Firmware Upgrade	In-band & Serial port interface IEM port (Optional)
	LED indicators, Audible Alarm	Yes
<b>Hot swap and Redundancy</b>	Drive Bays	16
	Cooling	2 x 8038 hot swap fans
	Power Supply	549W 1+1 hot swap redundant 80+ Platinum
	Power Entry	Dual AC inlet
	Expander Modules	Dual expanders (Optional)

<b>Electrical and Environmental</b>	Universal A/C Input	100-240V AC full range
	Operating Environment	Temperature : 0°C to 35°C Relative humidity : 20% to 80%
	Non-operating Environment	Temperature : -20°C to 60°C Relative humidity : 10% to 90%
<b>Physical Specification</b>	Dimensions (W x D x H)	mm : 430 x 534 x 132 inches : 16.9 x 21 x 5.2
	Gross Weight (w/ PSU, w/o Rail & Disks)	kgs : 24.8 lbs : 54.6
	Packaging Dimensions (W x D x H)	mm : 596 x 785 x 340 Inches : 23.5 x 30.9 x 13.4
<b>Mounting</b>	Options	Adjustable plate 20" tool-less rail (North America Standard)

**APPLICATIONS :** Near-line Database Expansion Storage • High Performance Direct Attached Storage for HPC or Application Server • Virtual Tape Library • Multimedia on Demand • Online E-mail Storage • Local Storage for Video Post-productions • Digital Content Source Database Storage • Private / Public Cloud Expansion

## J4024-01

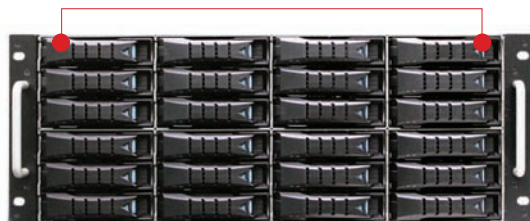


### Features :

- Intelligent Enclosure Management
- Individual drive power management
- Cutting edge performance and scalability
- Expander Self-discovery/Self-configuration (connects Mini SAS port to host or expansion)
- Supports SES-2 (SCSI Enclosure Service)
- Hot swap design for easy maintenance and management
- Tool-less drive trays (come with screw holes to adapt to 2.5" drives)
- Adjustable Thermal Profile
- Easy deployment

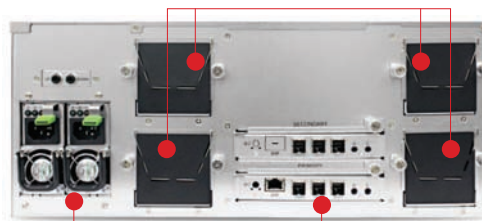
FRONT VIEW

24 x 3.5" hot swap drive bays



REAR VIEW

4 x 6038 hot swap fans



3 x Mini SAS HD

549W 1+1 hot swap redundant power supply 80+ Platinum

### SPECIFICATIONS

<b>General</b>	Number of Expander	Single/Dual
	Expander Chip	Broadcom SAS3x36R
	Host/Expansion Interface	3 x Mini SAS HD (SFF-8644) per expander module
<b>Drives Supported</b>	Drive Interface	12Gb & 6Gb SAS if using dual expanders 12Gb & 6Gb SAS/SATA if using single expander
	Form Factor	3.5"
<b>Administration / Management</b>	Admin/Firmware Upgrade	In-band & Serial port interface IEM port (Optional)
	LED indicators, Audible Alarm	Yes
<b>Hot swap and Redundancy</b>	Drive Bays	24
	Cooling	4 x 6038 hot swap fans
	Power Supply	549W 1+1 hot swap redundant 80+ Platinum
	Power Entry	Dual AC Inlet
	Expander Modules	Dual expanders (Optional)

<b>Electrical and Environmental</b>	Universal A/C Input	100~240V AC full range
	Operating Environment	Temperature : 0°C to 35°C Relative humidity : 20% to 80%
	Non-operating Environment	Temperature : -20°C to 60°C Relative humidity : 10% to 90%
<b>Physical Specification</b>	Dimensions (W x D x H)	mm : 430 x 534 x 174.4 inches : 16.9 x 21 x 6.9
	Gross Weight (w/ PSU, w/o Rail & Disks)	kgs : 29 lbs : 63.9
	Packaging Dimensions (W x D x H)	mm : 590 x 851 x 378 inches : 23.2 x 33.5 x 14.9
<b>Mounting</b>	Options	Adjustable plate
		28" tool-less rail (North America Standard)



**APPLICATIONS :** Near-line Database Expansion Storage • High Performance Direct Attached Storage for HPC or Application Server • Virtual Tape Library • Multimedia on Demand • Online E-mail Storage • Local Storage for Video Post-productions • Digital Content Source Database Storage • Private / Public Cloud Expansion

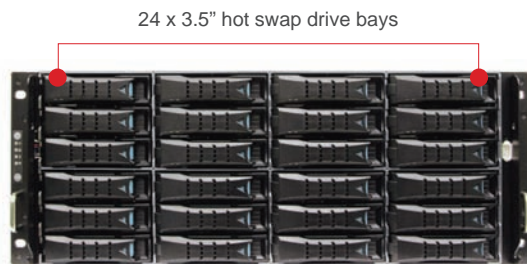
## J4024-02



### Features :

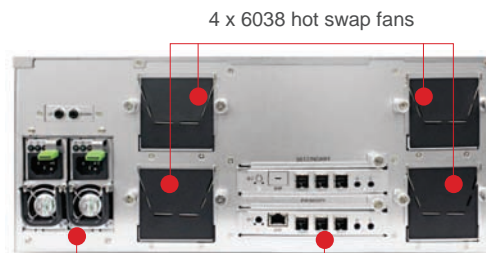
- Intelligent Enclosure Management
- Individual drive power management
- Cutting edge performance and scalability
- Expander Self-discovery/Self-configuration (connects Mini SAS port to host or expansion)
- Supports SES-2 (SCSI Enclosure Service)
- Hot swap design for easy maintenance and management
- Drive trays support interposers
- Adjustable Thermal Profile
- Easy deployment
- Supports Active Bezel

FRONT VIEW



24 x 3.5" hot swap drive bays

REAR VIEW



4 x 6038 hot swap fans

3 x Mini SAS HD

549W 1+1 hot swap redundant power supply 80+ Platinum

### SPECIFICATIONS

<b>General</b>	Number of Expander	Single/Dual
	Expander Chip	Broadcom SAS3x36R
	Host/Expansion Interface	3 x Mini SAS HD (SFF-8644) per expander module
<b>Drives Supported</b>	Drive Interface	12Gb & 6Gb SAS if using dual expanders 12Gb & 6Gb SAS/SATA if using single expander (Interposer kits are optional)
	Form Factor	3.5"
<b>Administration / Management</b>	Admin/Firmware Upgrade	In-band & Serial port interface IEM port (Optional)
	LED indicators, Audible Alarm	Yes
<b>Hot swap and Redundancy</b>	Drive Bays	24
	Cooling	4 x 6038 hot swap fans
	Power Supply	549W 1+1 hot swap redundant 80+ Platinum
	Power Entry	Dual AC Inlet
	Expander Modules	Dual expanders (Optional)

<b>Electrical and Environmental</b>	Universal A/C Input	100~240V AC full range
	Operating Environment	Temperature : 0°C to 35°C Relative humidity : 20% to 80%
	Non-operating Environment	Temperature : -20°C to 60°C Relative humidity : 10% to 90%
<b>Physical Specification</b>	Dimensions (W x D x H)	mm : 430 x 534 x 174.4 inches : 16.9 x 21 x 6.9
	Gross Weight (w/ PSU, w/o Rail & Disks)	kgs : 29 lbs : 63.9
	Packaging Dimensions (W x D x H)	mm : 590 x 851 x 378 inches : 23.2 x 33.5 x 14.9
<b>Mounting</b>	Options	Adjustable plate 28" tool-less rail (North America Standard)

**APPLICATIONS :** Near-line Database Expansion Storage • High Performance Direct Attached Storage for HPC or Application Server • Virtual Tape Library • Multimedia on Demand • Online E-mail Storage • Local Storage for Video Post-productions • Digital Content Source Database Storage • Private / Public Cloud Expansion

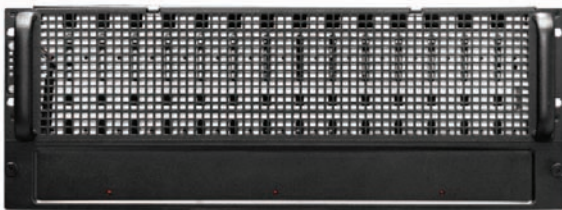
## J4060-01



### Features :

- Intelligent Enclosure Management
- Individual drive power management
- Hot swap design for easy maintenance and management
- Enclosure Cable Management Kit
- Tool-less drive trays

FRONT VIEW



REAR VIEW



6 x Mini SAS HD

4 x 8038 hot swap fans

### SPECIFICATIONS

<b>General</b>	Number of Expander	2 x External expanders 6 x Internal expanders
	Expander Chip	Broadcom SAS3x36R + Broadcom SAS3x48
	Host/Expansion Interface	6 x Mini SAS HD (SFF-8644) per expander module
<b>Drives Supported</b>	Drive Interface	12Gb & 6Gb SAS if using dual expanders 12Gb & 6Gb SAS/SATA if using single expander
	Form Factor	3.5"
<b>Administration / Management</b>	Admin/Firmware Upgrade	In-band & Serial port interface IEM port (Optional)
	LED indicators, Audible Alarm	Yes
<b>Hot swap and Redundancy</b>	Drive Bays	60
	Cooling	4 x 8038 hot swap fans
	Power Supply	1400W 1+1 hot swap redundant 80+ Platinum
	Power Entry	Dual AC inlet
	Expander Modules	Dual expanders (Optional)

<b>Electrical and Environmental</b>	Universal A/C Input	100~240V AC full range
	Operating Environment	Temperature : 0°C to 35°C Relative humidity : 20% to 80%
	Non-operating Environment	Temperature : -20°C to 60°C Relative humidity : 10% to 90%
<b>Physical Specification</b>	Dimensions (W x D x H)	mm : 438 x 865.3 x 175.8 inches : 17.2 x 34 x 6.9
	Gross Weight (w/ PSU & Rail, w/o Disks)	kgs : 52.76 lbs : 116.31
	Packaging Dimensions (W x D x H)	mm : 603 x 1120 x 508 inches : 23.7 x 44.1 x 20
<b>Mounting</b>	Options	<ul style="list-style-type: none"> <li>• Long tool-less slide rail for 1.2m Rack (with CMA support)</li> <li>• Cable management kit</li> <li>• Short tool-less slide rail for 1m Rack (without CMA support)</li> </ul>



**APPLICATIONS :** Near-line Database Expansion Storage • High Performance Direct Attached Storage for HPC or Application Server • Virtual Tape Library • Multimedia on Demand • Online E-mail Storage • Local Storage for Video Post-productions • Digital Content Source Database Storage • Private / Public Cloud Expansion

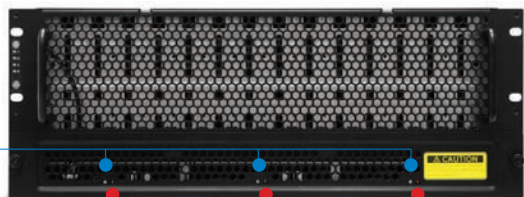
## J4060-02



### Features :

- Intelligent Enclosure Management
- Individual drive power management
- Easy swap design for maintenance and management
- Zoning support for easy deployment
- Optimized Thermal and Energy saving solution
- Tool-less drive trays

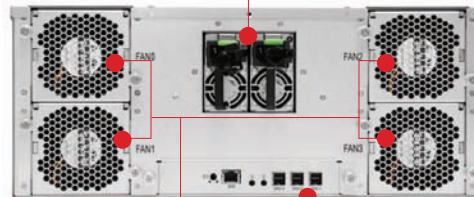
FRONT VIEW



Status LED (Blue)

Fail LED (Red)

REAR VIEW



800W 1+1 hot swap redundant 80+ Platinum

4 x 8038 hot swap fans

3 x Mini SAS HD

### SPECIFICATIONS

<b>General</b>	Number of Expander	1 x External expander 3 x Internal expanders
	Expander Chip	Broadcom SAS35x36R + Broadcom SAS35x28R
	Host/Expansion Interface	3 x Mini SAS HD
<b>Drives Supported</b>	Drive Interface	12Gb and 6Gb SAS/SATA
	Form Factor	3.5"
<b>Administration / Management</b>	Admin/Firmware Upgrade	In-band & Serial port interface IEM port (Optional)
	LED indicators, Audible Alarm	Yes
<b>Hot swap and Redundancy</b>	Drive Bays	60
	Cooling	4 x 8038 hot swap fans
	Power Supply	800W 1+1 hot swap redundant 80+ Platinum
	Power Entry	Dual AC inlet
	Expander Modules	Single expander

<b>Electrical and Environmental</b>	Universal A/C Input	100~240V AC full range Option : 336HVDC or -48DC
	Operating Environment	Temperature : 0°C to 35°C Relative humidity : 20% to 80%
	Non-operating Environment	Temperature : -20°C to 60°C Relative humidity : 10% to 90%
<b>Physical Specification</b>	Dimensions (W x D x H)	mm : 435 x 795 x 175.8
		inches : 17 x 31.3 x 6.9
	Gross Weight (w/ PSU & Rail, w/o Disks)	kgs : 52.8
		lbs : 116.3
Packaging Dimensions (W x D x H)	mm : 615 x 1115 x 428 inches : 24.2 x 43.8 x 16.8	
<b>Mounting</b>	Standard	26" tool-less slide rail

**APPLICATIONS :** Near-line Database Expansion Storage • High Performance Direct Attached Storage for HPC or Application Server • Virtual Tape Library • Multimedia on Demand • Online E-mail Storage • Local Storage for Video Post-productions • Digital Content Source Database Storage • Private / Public Cloud Expansion

## J4076-01



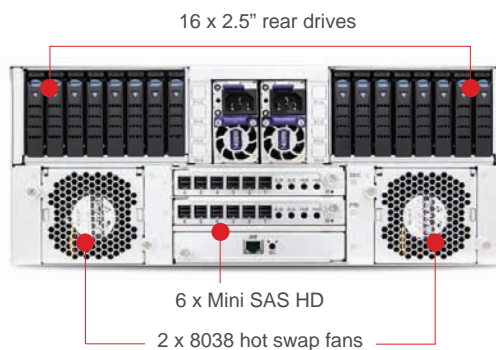
### Features :

- Intelligent Enclosure Management
- Individual drive power management
- Tiered storage pool design for Hot data and Cold data
- High speed Transmission Interface for Hot data storage pool
- Hot swap design for easy maintenance and management
- Enclosure Cable Management Kit
- Tool-less drive trays

FRONT VIEW



REAR VIEW



### SPECIFICATIONS

<b>General</b>	Number of Expander	2 x External expanders 6 x Internal expanders
	Expander Chip	Broadcom SAS3x36R + Broadcom SAS3x48
	Host/Expansion Interface	6 x Mini SAS HD (SFF-8644) per expander module
<b>Drives Supported</b>	Drive Interface	12Gb & 6Gb SAS if using dual expanders 12Gb & 6Gb SAS/SATA if using single expander
	Form Factor	3.5"
<b>Administration / Management</b>	Admin/Firmware Upgrade	In-band & Serial port interface IEM port (Optional)
	LED indicators, Audible Alarm	Yes
<b>Hot swap and Redundancy</b>	Drive Bays	60 x 3.5" and 16 x 2.5"
	Cooling	2 x 8038 hot swap fans 2 x 6038 internal fans
	Power Supply	1400W 1+1 hot swap redundant 80+ Platinum
	Power Entry	Dual AC inlet
	Expander Modules	Dual expanders (Optional)

<b>Electrical and Environmental</b>	Universal A/C Input	100~240V AC full range
	Operating Environment	Temperature : 0°C to 35°C Relative humidity : 20% to 80%
	Non-operating Environment	Temperature : -20°C to 60°C Relative humidity : 10% to 90%
<b>Physical Specification</b>	Dimensions (W x D x H)	mm : 438 x 865.3 x 175.8
		inches : 17.2 x 34 x 6.9
	Gross Weight (w/ PSU & Rail, w/o Disks)	kgs : 52.8
		lbs : 116.3
Packaging Dimensions (W x D x H)	mm : 603 x 1120 x 508	
	inches : 23.7 x 44.1 x 20	
<b>Mounting</b>	Options	• Long tool-less slide rail for 1.2m Rack (with CMA support) • Cable management kit
		• Short tool-less slide rail for 1m Rack (without CMA support)

**APPLICATIONS :** Near-line Database Expansion Storage • High Performance Direct Attached Storage for HPC or Application Server • Virtual Tape Library • Multimedia on Demand • Online E-mail Storage • Local Storage for Video Post-productions • Digital Content Source Database Storage • Private / Public Cloud Expansion

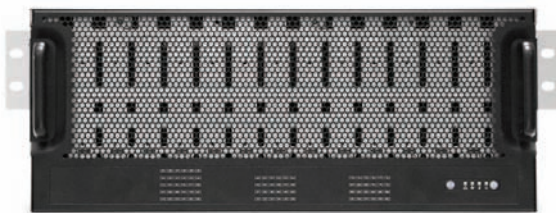
## J4078-01



### Features :

- Intelligent Enclosure Management
- Individual drive power management
- Hot swap design for easy maintenance and management
- Enclosure Cable Management Kit
- Tool-less drive trays
- Design for 1000mm depth rackmount server cabinet

FRONT VIEW



REAR VIEW

1600W 1+1 hot swap redundant 80+ Platinum



4 x Mini SAS HD

8 x 6056 hot swap fans

### SPECIFICATIONS

<b>General</b>	Number of Expander	Dual/Single
	Expander Chip	Broadcom SAS35x48
	Host/Expansion Interface	4 x Mini SAS HD (SFF-8644) per expander module
<b>Drives Supported</b>	Drive Interface	12Gb & 6Gb SAS if using dual expanders 12Gb & 6Gb SAS/SATA if using single expander
	Form Factor	3.5"
<b>Administration / Management</b>	Admin/Firmware Upgrade	In-band & Serial port Interface IEM port
	LED Indicators, Audible Alarm	Yes
<b>Hot swap and Redundancy</b>	Drive Bays	78
	Cooling	8 x 6056 hot swap fans 1 x 4056 fan per expander module
	Power Supply	1600W 1+1 hot swap redundant 80+ Platinum
	Power Entry	Dual AC Inlet
	Expander Modules	Dual expanders (Optional)

<b>Electrical and Environmental</b>	Universal A/C Input	100-240V AC
	Operating Environment	Temperature : 0°C to 35°C Relative humidity : 20% to 80%
	Non-operating Environment	Temperature : -20°C to 60°C Relative humidity : 10% to 90%
<b>Physical Specification</b>	Dimensions (W x D x H)	mm : 434 x 810.5 x 176 434 x 974.7 x 176 (with CMA)
		inches : 17 x 31.9 x 7 17 x 38.4 x 7 (with CMA)
	Gross Weight (w/ PSU, w/o Rail & Disks)	kgs : 31.5 lbs : 70
<b>Mounting</b>	Options	Packaging Dimensions (W x D x H)
		mm : 616 x 1090 x 468 inches : 24.3 x 42.9 x 18.4
		Tool-less slide rail Cable Management Kit



**APPLICATIONS :** Near-line Database Expansion Storage • High Performance Direct Attached Storage for HPC or Application Server • Virtual Tape Library • Multimedia on Demand • Online E-mail Storage • Local Storage for Video Post-productions • Digital Content Source Database Storage • Private / Public Cloud Expansion

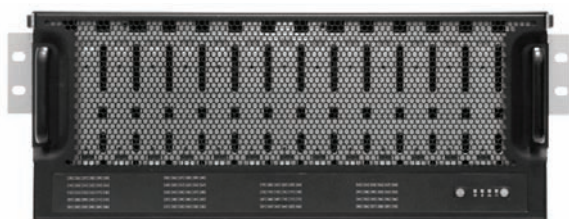
## J4108-01



### Features :

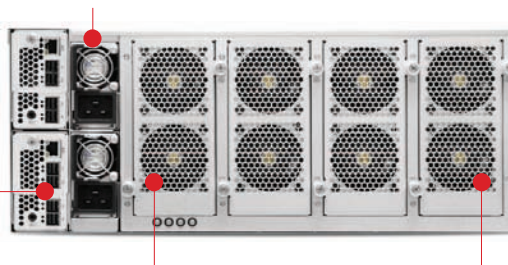
- Intelligent Enclosure Management
- Individual drive power management
- Hot swap design for easy maintenance and management
- Enclosure Cable Management Kit
- Tool-less drive trays

FRONT VIEW



REAR VIEW

2000W 1+1 hot swap redundant 80+ Platinum



4 x Mini SAS HD

8 x 6056 hot-swap fans

### SPECIFICATIONS

<b>General</b>	Number of Expander	Dual/Single
	Expander Chip	Broadcom SAS35X48
	Host/Expansion Interface	4 x Mini SAS HD (SFF-8644) per expander module
<b>Drives Supported</b>	Drive Interface	12Gb & 6Gb SAS if using dual expanders 12Gb & 6Gb SAS/SATA if using single expander
	Form Factor	3.5"
<b>Administration / Management</b>	Admin/Firmware Upgrade	In-band & Serial port Interface IEM port
	LED Indicators, Audible Alarm	Yes
<b>Hot swap and Redundancy</b>	Drive Bays	108
	Cooling	8 x 6056 hot-swap fans 1 x 4056 fan per expander module
	Power Supply	2000W 1+1 hot swap redundant 80+ Platinum
	Power Entry	Dual AC Inlet
	Expander Modules	Dual expanders (Optional)

<b>Electrical and Environmental</b>	Universal A/C Input	100~240V AC
	Operating Environment	Temperature : 0°C to 35°C Relative humidity : 20% to 80%
	Non-operating Environment	Temperature : -20°C to 60°C Relative humidity : 10% to 90%
<b>Physical Specification</b>	Dimensions (W x D x H)	mm : 434 x 1050 x 176 434 x 1273 x 176 (with CMA) inches : 17 x 41 x 7 17 x 50 x 7 (with CMA)
	Gross Weight (w/ PSU, w/o Rail & Disks)	kgs : 38.3 lbs : 84.4
	Packaging Dimensions (W x D x H)	mm : 616 x 1328 x 468 inches : 24.3 x 52.3 x 18.4
<b>Mounting</b>	Options	Tool-less slide rail Cable Management Kit

**APPLICATIONS :** High performance storage for HPC environment • OnLine Analytical Processing • OnLine Transaction Processing • IOPS intensive storage application • Cache for Application Server •

## J2024-04



### Features :

- 2U 24-Bay NVMe All Flash Array
- Performance up to 6 times faster than SATA SSD, 3 times faster than SAS 12G SSD
- Designed for low latency and high performance applications
- PCIe interface to support NVMe over fabrics (3rd party cards)
- Hot swap design for easy maintenance and management
- Intelligent Enclosure Management
- Tool-less tray design

FRONT VIEW

24 x 2.5" hot swap drive bays



REAR VIEW

1300W 1+1 hot swap redundant 80+ Platinum



### SPECIFICATIONS

<b>General</b>	Number of Controller	2
	PCIe Switch	Broadcom PEX 9765
	Host/Expansion Interface	Optional
<b>Drives Supported</b>	Drive Interface	SFF-8639
	Form Factor	U.2
<b>Administration / Management</b>	Admin/Firmware Upgrade	Serial port interface IEM port
	LED Indicators, Audible Alarm	Yes
<b>Hot swap and Redundancy</b>	Drive Bays	24
	Cooling	4 x 6056 hot swap fans
	Power Supply	1300W 1+1 hot swap redundant 80+ Platinum
	Power Entry	Dual AC Inlet
	Controller	Dual

<b>Electrical and Environmental</b>	Universal A/C Input	100~240V AC Full Range
	Operating Environment	Temperature : 0°C to 35°C Relative humidity : 20% to 80%
	Non-operating Environment	Temperature : -20°C to 60°C Relative humidity : 10% to 90%
<b>Physical Specification</b>	Dimensions (W x D x H)	mm : 435 x 681 x 88
		inches : 17.1 x 26.8 x 3.5
	Gross Weight (w/ PSU, w/o Rail & Disks)	kgs : 23
		lbs : 51
Packaging Dimensions (W x D x H)	mm : 603 x 922 x 322	
	inches : 23.7 x 36.3 x 12.7	
<b>Mounting</b>	Standard	28" tool-less rail



# GB109-PH



## Features :

- 1U 4-Bay server for general purposes
- Supports two Intel® Xeon® Processors E5-2600 v3/v4 product family
- With Intel® C612 Series Chipset to provide 5+ years product life cycle
- Flexible IO usage with Max IO™ to support up to 4 COTS PCIe 3.0 cards
- Onboard Baseboard Management Controller for system management and IPMI control
- Two 10GbE SFP+ ports
- Front-to-back airflow and hot swap redundant fans to provide optimal thermal condition
- Customizable to meet your requirements

## SPECIFICATIONS

<b>Dimensions</b> (W x D x H)	mm : 438 x 787.4 x 44.4		
	inches : 17.2 x 31 x 1.75		
<b>Motherboard</b>	AIC Server Board Phoenix		
<b>Processor</b>	Processor Support	Two Intel® Xeon® Processors E5-2600 v3/v4 product family	
	QPI Speeds	9.6 GT/s, 8.0 GT/s, 7.2 GT/s	
	Socket Type	Socket R3 (FCLGA2011-3)	
<b>Chipset Support</b>	Intel® C612 Chipset		
<b>System Memory</b>	• 12 DIMM slots across 8 memory channels (4 memory channels per CPU; 2 channels with 2DPC and 2 channels with 1DPC)		
	- 384GB DDR4 2133/1866 RDIMM DRx4		
	- 96GB DDR4 2133/1866 RDIMM SRx4		
	- 768GB DDR4 2133/1866 LRDIMM QRx4		
	- 1536GB DDR4 2133/1866 LRDIMM 3DS 8Rx4		
<b>Front Panel</b>	• Power on/off		
	• System ID		
	• System reset		
	• NMI		
<b>LEDs</b>	• Power		
	• System ID		
<b>Drive Bays</b>	External	3.5" hot swap	4
	Internal	2.5"	2
	• Alert		
<b>Backplane</b>	• Drive		
	• LAN		
<b>Expansion Slots</b>	PCIe 3.0	4 x8 FHHL	
	1 x 4-port 6Gb SAS/SATA backplane with 1 x SFF-8087 connector		
<b>Riser Cards</b> (included)	PSG-RC-TO1U-40-110	1U PCIe Gold-finger to 4 x PCIe x8	

<b>System BIOS</b>	BIOS Type	• Insyde UEFI BIOS • SPI (Serial Peripheral Interface) FLASH Interface
	BIOS Features	• ACPI • PXE • WOL • AC loss recovery • IPMI 2.0 KCS interface • SMBIOS • Serial console redirection • BIOS Boot Specification • BIOS Recovery Mode • SRIOV • PCIe Hotplug • iSCSI • TPM
<b>On-board Devices</b>	SATA	Built-in SATA RAID controller on Intel® C612 Chipset with software RAID support 6x 7pin SATA connectors
	IPMI	Aspeed AST2400 Advanced PCIe Graphics & Remote Management Processor • Baseboard Management Controller • Intelligent Platform Interface 2.0 (IPMI 2.0) • iKVM, Media Redirection, IPMI over LAN, Serial over LAN • SMASH Support
	Network Controllers	• Intel® 82599ES 10 GbE Controller, dual port, SFP+, PCIe v2.0 (5.0GT/s) • Intel® Ethernet Controller I210-AT, single port GbE controller, PCIe v2.1, 2.5 GT/s, x1 • Intel® Ethernet Network Connection I217-LM, single port GbE, 1 Gbps
	Graphics	Aspeed AST2400 Advanced PCIe Graphics & Remote Management Processor • PCIe VGA/2D Controller • 1920x1200@60Hz 32bpp



TOP VIEW

AC 650W 1+1 redundant power supply 80+



REAR VIEW

2 x 10GbE SFP+



FRONT VIEW

4 x 3.5" hot swap bays



Power supply and Server board are included.

<b>Rear I/O</b>	LAN	2 x 10GbE SFP+ 2 x RJ45
	USB	2 x USB 3.0 Type A
	VGA	1 x DB-15
	Serial Port	1 x DB-9
<b>Power Supply</b>	AC 650W 1+1 redundant high-efficiency power supply 80+ • 90-264VAC, 47-63 Hz	
<b>System Cooling</b>	6 x 40x56mm 21500/18000 rpm hot swap fan modules	
<b>System Management</b>	<ul style="list-style-type: none"> <li>• IPMI 2.0</li> <li>• KVM over IP</li> <li>• Media redirection</li> <li>• Temperature, fan, voltage, PSU sensor monitor</li> <li>• System temperature</li> <li>• System ID / System fail indicator</li> <li>• Remote power on/off/reset</li> <li>• SEL message alarm through mail</li> <li>• SNMP support</li> <li>• Intel NM</li> </ul>	

<b>Environmental Specifications</b>	<ul style="list-style-type: none"> <li>• Operating temperature : 0° - 35°C</li> <li>• System relative humidity : 5% - 95% non-condensing</li> </ul>	
<b>Gross Weight</b>	(w/ PSU & Rail)	kgs : 24
		lbs : 53
<b>Packaging Dimensions</b>	(W x D x H)	mm : 590 x 1130 x 273
		inches : 23.2 x 44.5 x 10.7
<b>Mounting</b>	Standard	28" tool-less slide rail

12G SAS JBOD

NVMe JBOD

General Purpose Server Solution

High Availability Server Solution

Storage Server Solution

Flash Barebone Server Solution

Telco Appliance Server Solution

Server Board

Rackmount Chassis

Modular Chassis

Rackmount Storage Chassis

# HA201-TP



## Features :

- High-availability storage server optimized for mission-critical, enterprise-level storage applications
- Fully redundant, fault-tolerant system supporting hot swappable controller nodes and storage drives
- Two compute nodes, Active-Active configuration, each supporting two Intel® Xeon® Processors E5-2600 v3/v4 product family
- Options for 10GbE, PCIe NTB or SAS link between nodes for communication and fail-over
- Built-in Broadcom SAS3x36R SAS expander per node
- Intel® Trusted Platform Module (TPM) header to support Intel® Trusted Execution Technology (TXT)

## SPECIFICATIONS

<b>Dimensions</b> (W x D x H)	mm : 438 x 815 x 88	
	inches : 17.2 x 32 x 3.5	
<b>Motherboard</b> (per node)	Intel® Server Board S2600TP	
<b>Processor</b> (per node)	Processor Support	Two Intel® Xeon® Processors E5-2600 v3/v4 product family
	QPI Speeds	9.6 GT/s, 8 GT/s, 7.2 GT/s
	Socket Type	Socket R3 (FCLGA2011-3)
<b>Chipset Support</b> (per node)	Intel® C612 Chipset	
<b>System Memory</b> (per node)	<ul style="list-style-type: none"> <li>• 16 DIMM slots in total across 8 memory channels</li> <li>• Registered DDR4 (RDIMM), Load Reduced DDR4 (LRDIMM)</li> <li>• Memory DDR4 data transfer rates of 1600/1866/2133 MT/s</li> <li>• DIMM sizes of 4GB, 8GB, 16GB, or 32GB depending on ranks and technology</li> </ul>	
<b>Front Panel</b>	System power on	

<b>LEDs</b>	A	<ul style="list-style-type: none"> <li>• Power (Secondary)</li> <li>• Warning</li> </ul>	
	B	<ul style="list-style-type: none"> <li>• Power (Primary)</li> <li>• Warning</li> </ul>	
<b>Drive Bays</b>	External	2.5" hot swap	24
	Internal	2.5"	2 (per node)
<b>Backplane</b>	1 x 24-port 12Gb SAS dual-loop backplane		
<b>Expander Board</b> (per node)	1 x 36-port 12Gb SAS expander board with 3 SFF-8643 connectors		
<b>Expansion Slots</b> (per node)	PCIe 3.0	5 x8 (low-profile)	
<b>Internal I/O Connectors / Headers</b> (per node)	<ul style="list-style-type: none"> <li>• 1 x internal USB 2.0 connector (port 6/7)</li> <li>• 1 x 2x7 pin header for system fan module</li> <li>• 1 x 1x12 pin control panel header</li> <li>• 1 x DH-10 serial Port A connector</li> <li>• 1 x SATA 6Gb/s port for SATA DOM</li> <li>• 4 x SATA 6Gb/s connectors (port 0/1/2/3)</li> <li>• 1 x 2x4 pin header for Intel RMM4 Lite</li> <li>• 1 x 1x4 pin header for Storage Upgrade Key</li> <li>• 1 x 1x8 pin backup power controller connector</li> <li>• 1 x SFF 8644</li> </ul>		

TOP VIEW

1200W 1+1 redundant power supply



REAR VIEW

Dual server board controller canisters



Supports up to 5 x PCIe 3.0 slots

FRONT VIEW

24 x 2.5" hot swap drive bays



Power supply and Server board are included.

<b>Rear I/O</b> (per node)	<ul style="list-style-type: none"> <li>• 1 x RJ45 (dedicated port for remote server management)</li> <li>• 2 x RJ45</li> <li>• 2 x USB 2.0 Type A</li> <li>• 1 x VGA</li> <li>• 1 x Mini SAS HD</li> </ul>
<b>Ethernet</b> (per node)	Dual GbE, Intel® I350 Gigabit Ethernet Controller
<b>Video Support</b> (per node)	Integrated Matrox G200 2D Graphics Controller
<b>Server Management</b> (per node)	<ul style="list-style-type: none"> <li>• Onboard Server Engines* LLC Pilot III* Controller</li> <li>• Support for Intel® Remote Management Module 4 solutions</li> <li>• Intel® Light-Guided Diagnostics on field replaceable units</li> <li>• Support for Intel® System Management Software</li> <li>• Support for Intel® Intelligent Power Node Manager (Need PMBus - compliant power supply)</li> <li>• BIOS Flash Winbond W25Q64BV</li> </ul>

<b>Power Supply</b>	1200W 1+1 redundant power supply	
<b>System Cooling</b> (per node)	2 x 6056 fans	
<b>Environmental Specifications</b>	Temperature: 0°C - 35°C Humidity: 5% - 95% non-condensing	
<b>Gross Weight</b>	(w/ PSU & Rail)	kgs : 41
		lbs : 90
<b>Packaging Dimensions</b>	(W x D x H)	mm : 590 x 1150 x 330
		inches : 23.2 x 45.3 x 13
<b>Mounting</b>	Standard	28" tool-less slide rail

12G SAS JBOD

NVMe JBOD

General Purpose Server Solution

High Availability Server Solution

Storage Server Solution

Flash Barebone Server Solution

Telco Appliance Server Solution

Server Board

Rackmount Chassis

Modular Canisters

Rackmount Storage Chassis

# HA202-PH



## Features :

- 24 hot swap bays for dual-port NVMe SSDs (U.2)
- High-availability storage server optimized for mission-critical, enterprise-level storage applications
- Fully redundant, fault-tolerant system supporting hot swappable controller nodes and storage drives
- Two compute nodes, Active-Active configuration, each supporting two Intel® Xeon® Processors E5-2600 v3/v4 product family
- 2 PCIe x16 slots per node provide direct links to CPU
- Reserves 10GbE, PCIe NTB or SAS link between nodes for communication and fail-over
- Includes IPMI 2.0 & iKVM

## SPECIFICATIONS

<b>Dimensions</b> (W x D x H)	mm : 438 x 850 x 88		
	inches : 17.2 x 33.4 x 3.5		
<b>Motherboard</b> (per node)	AIC Server Board Phoenix		
<b>Processor</b> (per node)	Processor Support	Two Intel® Xeon® Processors E5-2600 v3/v4 product family	
	QPI Speeds	9.6 GT/s, 8 GT/s, 7.2 GT/s	
	Socket Type	Socket R3 (FCLGA2011-3)	
<b>Chipset Support</b> (per node)	Intel® C612 Chipset		
<b>System Memory</b> (per node)	<ul style="list-style-type: none"> <li>• 12 DIMM slots across 8 memory channels (4 memory channels per CPU; 2 channels with 2DPC and 2 channels with 1DPC)</li> <li>- 384GB DDR4 2133/1866 RDIMM DRx4</li> <li>- 96GB DDR4 2133/1866 RDIMM SRx4</li> <li>- 768GB DDR4 2133/1866 LRDIMM QRx4</li> <li>- 1536GB DDR4 2133/1866 LRDIMM 3DS 8Rx4</li> </ul>		
<b>Front Panel</b>	System power on		
<b>LEDs</b>	A :	B :	
	• Power (Secondary) • Warning	• Power (Primary) • Warning	
<b>Drive Bays</b>	External	2.5" hot swap	24
	Internal	2.5"	2 (per node)
<b>Backplane</b>	1 x 24-port NVMe backplane with dual loop		
<b>Expansion Slots</b> (per node)	PCIe 3.0	2 x16 FHHL	
<b>Riser Card</b> (included) (per node)	PSG-RC-HA2U-24-101	2 PCIe x16	

<b>Expander Board</b> (per node)	1 x 24-port (48 lanes PCI Express) NVMe expander board	
<b>System BIOS</b>	BIOS Type	<ul style="list-style-type: none"> <li>• Insyde UEFI BIOS</li> <li>• SPI (Serial Peripheral Interface) FLASH Interface</li> </ul>
	BIOS Features	<ul style="list-style-type: none"> <li>• ACPI</li> <li>• PXE</li> <li>• WOL</li> <li>• AC loss recovery</li> <li>• IPMI 2.0 KCS interface</li> <li>• SMBIOS</li> <li>• Serial console redirection</li> <li>• BIOS Boot Specification</li> <li>• BIOS Recovery Mode</li> <li>• SRIOV</li> <li>• PCIe Hotplug</li> <li>• iSCSI</li> <li>• TPM</li> </ul>
<b>On-board Devices</b>	SATA	Built-in SATA RAID controller on Intel® C612 Chipset with software RAID support 6x 7pin SATA connectors
	IPMI	<ul style="list-style-type: none"> <li>• Aspeed AST2400 Advanced PCIe Graphics &amp; Remote Management Processor</li> <li>• Baseboard Management Controller</li> <li>• Intelligent Platform Interface 2.0 (IPMI 2.0)</li> <li>• iKVM, Media Redirection, IPMI over LAN, Serial over LAN</li> <li>• SMASH Support</li> </ul>
	Network Controllers	<ul style="list-style-type: none"> <li>• Intel® 82599ES 10GbE Controller, dual port, SFP+, PCIe v2.0 (5.0GT/s)</li> <li>• Intel® Ethernet Controller I210-AT, single port GbE controller, PCIe v2.1, 2.5 GT/s, x1</li> <li>• Intel® Ethernet Network Connection I217-LM, single port GbE, 1 Gbps</li> </ul>
	Graphics	<ul style="list-style-type: none"> <li>• Aspeed AST2400 Advanced PCIe Graphics &amp; Remote Management Processor</li> <li>• PCIe VGA/2D Controller</li> <li>• 1920x1200@60Hz 32bpp</li> </ul>



TOP VIEW

AC 1200W 1+1 redundant high-efficiency power supply 80+



REAR VIEW

2 x PCIe 3.0 slots (per node)



2 x 10GbE SFP+ (per node)

FRONT VIEW

24 x 2.5" hot swap drive bays



2 x 6056mm fan modules (per node)

Power supply and Server board are included.

<b>Rear I/O</b> (per node)	LAN	2 x 10GbE SFP+ 2 x RJ45
	USB	2 x USB 3.0 Type A
	VGA	1 x DB-15
	Serial Port	1 x DB-9
<b>Power Supply</b>	AC 1200W 1+1 redundant high-efficiency power supply 80+ • 90-264VAC, 47-63 Hz	
<b>System Cooling</b> (per node)	2 x 60x56mm fan modules	
<b>System Management</b>	<ul style="list-style-type: none"> <li>• IPMI 2.0</li> <li>• KVM over IP</li> <li>• Media redirection</li> <li>• Temperature, fan, voltage, PSU sensor monitor</li> <li>• System temperature</li> <li>• System ID / System fail indicator</li> <li>• Remote power on/off/reset</li> <li>• SEL message alarm through mail</li> <li>• SNMP support</li> <li>• Intel NM</li> </ul>	

<b>Environmental Specifications</b>	<ul style="list-style-type: none"> <li>• Operating temperature : 0° - 35°C</li> <li>• System relative humidity : 5% - 95% non-condensing</li> </ul>	
<b>Gross Weight</b>	(w/ PSU & Rail)	kgs : 41
		lbs : 90
<b>Packaging Dimensions</b>	(W x D x H)	mm : 590 x 1150 x 330
		inches : 23.2 x 45.3 x 13
<b>Mounting</b>	Standard	28" tool-less slide rail

12G SAS JBOD

NVMe JBOD

General Purpose Server Solution

High Availability Server Solution

Storage Server Solution

Flash Barebone Server Solution

TiVo Appliance Server Solution

Server Board

Rackmount Chassis

Modular Carriers

Rackmount Storage Chassis

# HA401-LB



## Features :

- High-availability storage server optimized for mission-critical, enterprise-level storage applications
- Fully redundant, fault-tolerant system supporting hot swappable compute nodes and storage drives
- Two compute nodes, Active-Active configuration, each supporting two Intel® Xeon® Processors E5-2600 v3/v4 product family
- 10GbE, PCIe NTB or SAS link between nodes for communication and fail-over
- Built-in Broadcom SAS3x48R SAS/SATA expander per node
- Intel® Trusted Platform Module (TPM) header to support Intel® Trusted Execution Technology (TXT)
- 6 x PCIe 3.0 slots

## SPECIFICATIONS

<b>Dimensions</b> (W x D x H)	mm : 437 x 698.5 x 177.8		
	inches : 17.2 x 27.5 x 7		
<b>Motherboard</b> (per node)	AIC Server Board Libra		
<b>Processor</b> (per node)	Processor Support	Two Intel® Xeon® Processors E5-2600 v3/v4 product family	
	Supported QPI	9.6 GT/s, 8 GT/s, 7.2 GT/s	
	Socket Type	Socket R3 (FCLGA2011-3)	
<b>Chipset Support</b> (per node)	Intel® C612 Chipset		
<b>System Memory</b> (per node)	<ul style="list-style-type: none"> <li>• 16 DIMM slots across 8 memory channels (4 memory channels per CPU; 2DPC)</li> <li>- 512GB DDR4 2133/1866 RDIMM DRx4</li> <li>- 128GB DDR4 2133/1866 RDIMM SRx4</li> <li>- 1024GB DDR4 2133/1866 LRDIMM QRx4</li> <li>- 2048GB DDR4 2133/1866 LRDIMM 3DS 8Rx4</li> </ul>		
<b>Front Panel</b>	System power on		
<b>LEDs</b>	A	<ul style="list-style-type: none"> <li>• Power (Secondary)</li> <li>• Warning</li> </ul>	
	B	<ul style="list-style-type: none"> <li>• Power (Primary)</li> <li>• Warning</li> </ul>	
<b>Drive Bays</b>	External	3.5" hot swap	24 (LSI interposer board required when using SATA drives)
	Internal	2.5"	2+2
<b>Backplane</b>	1 x 24-port 12Gb SAS backplane		
<b>Expander Board</b> (per node)	1 x 48-port 12Gb SAS expander board		
<b>Expansion Slots</b> (per node)	PCIe 3.0	2 x16 +1 x16 (x8 mode) + 3 x8 (all low-profile)	

<b>System BIOS</b>	<b>BIOS Type</b>	<ul style="list-style-type: none"> <li>• Insyde UEFI BIOS</li> <li>• SPI (Serial Peripheral Interface) FLASH Interface</li> </ul>
	<b>BIOS Features</b>	<ul style="list-style-type: none"> <li>• ACPI</li> <li>• PXE</li> <li>• WOL</li> <li>• AC loss recovery</li> <li>• IPMI 2.0 KCS interface</li> <li>• SMBIOS</li> <li>• Serial console redirection</li> <li>• BIOS Boot Specification</li> <li>• BIOS Recovery Mode</li> <li>• SRIOV</li> <li>• iSCSI</li> <li>• TPM</li> <li>• PCIe NTB</li> </ul>
<b>On-board Devices</b>	<b>SATA</b>	<ul style="list-style-type: none"> <li>Built-in SATA controller with RAID support on Intel® C612 Chipset</li> <li>• 8x 7pin SATA connectors</li> <li>• 1x M.2 with SATA/PCIe X2 support</li> </ul>
	<b>IPMI</b>	<ul style="list-style-type: none"> <li>Aspeed AST2400 Advanced PCIe Graphics &amp; Remote Management Processor</li> <li>• Baseboard Management Controller</li> <li>• Intelligent Platform Interface 2.0 (IPMI 2.0)</li> <li>• iKVM, Media Redirection, IPMI over LAN, Serial over LAN</li> <li>• SMASH Support</li> </ul>
	<b>Network Controllers</b>	<ul style="list-style-type: none"> <li>• Intel® Ethernet Controller X540-BT2 dual port 10GbE, 10GBASE-T, PCIe v2.1, x8 [Or Intel® Ethernet Controller I350-AM2, dual port GbE, PCIe v2.0 (co-lay with Intel® X540-BT2). MOQ required.]</li> <li>• Intel® Ethernet Controller I210-AT, single port GbE controller, PCIe v2.1, 2.5 GT/s, x1</li> <li>• Intel® Ethernet Network Connection I217-LM, single port GbE, 1Gbps</li> <li>• Realtek® RTL8201EL single port 10/100 Mbps Ethernet PHYceiver for dedicated BMC port</li> </ul>
	<b>Graphics</b>	<ul style="list-style-type: none"> <li>Aspeed AST2400 Advanced PCIe Graphics &amp; Remote Management Processor</li> <li>• PCIe VGA/2D Controller</li> <li>• 1920x1200@60Hz 32bpp</li> </ul>

TOP VIEW

1200W 1+1 redundant power supply 80+



REAR VIEW

6 x PCIe 3.0 slots (low-profile)



FRONT VIEW

24 x 3.5" hot swap drive bays



Power supply and Server board are included.

<b>Rear I/O</b> (per node)	SAS	2 x SFF8644
	LAN	2 x RJ45 1 x RJ45 (dedicated BMC port) 2 x RJ45 cabled from two internal 2x5 box pin-header (optional accessory)
	USB	2 x USB 3.0 Type A
	VGA	1 x DB-15
	Serial Port	1 x DB-9
<b>Power Supply</b>	1200W 1+1 redundant power supply 80+ • 100-240VAC, 47-63 Hz	
<b>System Cooling</b> (per node)	4 x 60x56mm hot swap fans	

<b>System Management</b>	<ul style="list-style-type: none"> <li>• IPMI 2.0</li> <li>• KVM over IP</li> <li>• Media redirection</li> <li>• Temperature, fan, voltage, PSU sensor monitor</li> <li>• System temperature</li> <li>• System ID / System fail indicator</li> <li>• Remote power on/off/reset</li> <li>• SEL message alarm through mail</li> <li>• SNMP support</li> <li>• Intel NM</li> </ul>	
	<ul style="list-style-type: none"> <li>• Operating temperature : 0° - 35°C</li> <li>• System relative humidity : 5% - 95% non-condensing</li> </ul>	
<b>Gross Weight</b>	(w/ PSU & Rail)	kgs : 47
		lbs : 104
<b>Packaging Dimensions</b>	(W x D x H)	mm : 660 x 970 x 420
		inches : 26 x 38.2 x 16.6
<b>Mounting</b>	Standard	28" slide rail

12G SAS JBOD

NVMe JBOD

General Purpose Server Solution

High Availability Server Solution

Storage Server Solution

Flash Barebone Server Solution

TiVo Appliance Server Solution

Server Board

Rackmount Chassis

Modular Chassis

Rackmount Storage Chassis

# HA202-PV



## Features :

- 2U 24 hot swap bays for dual-port NVMe SSDs (U.2)
- High-availability storage server optimized for mission-critical, enterprise-level storage applications
- Fully redundant, fault-tolerant system supporting hot swappable controller nodes and storage drives
- Two compute nodes, Active-Active configuration, each supporting two Intel® Xeon® Scalable Processors
- 1 PCIe x16 , 1 PCIe x8 , 1 x OCP Mezzanine x16 slots per node provide direct links to CPU
- PCIe NTB link between nodes for communication and fail-over
- Customizable to meet OEM/ODM requirements

## SPECIFICATIONS

<b>Dimensions</b> (W x D x H)	mm : 438.6 x 930 x 88		
	inches : 17.2 x 36.6 x 3.5		
<b>Motherboard</b>	AIC Server Board Pavo		
<b>Processor</b>	Processor Support	Two Intel® Xeon® Scalable Processors	
	UPI Speeds	9.6 GT/s, 10.4 GT/s	
	Socket Type	Socket P0 (LGA-3647 Socket)	
<b>Chipset Support</b>	Intel® Lewisburg C620 series PCH		
<b>System Memory</b>	<ul style="list-style-type: none"> <li>• DDR4 2666 ECC RDIMM</li> <li>• Total 16 memory slots;</li> <li>6 channel per CPU (4 x 1DPC + 2 x 2DPC per CPU)</li> </ul>		
<b>Front Panel</b>	System power on		
<b>LEDs</b>	A :	B :	
	<ul style="list-style-type: none"> <li>• Power (Secondary)</li> <li>• Warning</li> </ul>	<ul style="list-style-type: none"> <li>• Power (Primary)</li> <li>• Warning</li> </ul>	
<b>Drive Bays</b>	External	2.5" hot swap	24
	Internal	2.5"	2
<b>Backplane</b>	1 x 24-port dual loop NVMe backplane		
<b>Expansion Slots</b> (per node)	PCIe 3.0	<ul style="list-style-type: none"> <li>• 1 x PCIe Gen3 x16</li> <li>• 1 x PCIe Gen3 x16 (x8 mode)</li> <li>• 1 x OCP Mezzanine Card V2.0</li> </ul>	
<b>Expander Boards</b>	2 x 64-port Broadcom/PLX 9765 PCIe switch board		

<b>System BIOS</b>	BIOS Type	Insyde BIOS
	BIOS Features	<ul style="list-style-type: none"> <li>• ACP</li> <li>• PXE</li> <li>• WOL</li> <li>• AC loss recovery</li> <li>• SMBIOS</li> <li>• Serial console redirection</li> <li>• BIOS Boot Specification</li> <li>• BIOS Recovery Mode</li> <li>• SRIOV</li> </ul>
<b>On-board Devices</b>	SATA	<ul style="list-style-type: none"> <li>• Lewisburg PCH on-chip solution</li> <li>• 4 x SATA 6.0 Gb/s (by SFF-8643) +</li> <li>2 x SATA 6.0 Gb/s (by 2 x SATA 7 pin)</li> </ul>
	IPMI	<ul style="list-style-type: none"> <li>• Aspeed AST2500 Advanced PCIe Graphics &amp; Remote Management Processor</li> <li>• Baseboard Management Controller</li> <li>• Intelligent Platform Interface 2.0 (IPMI 2.0)</li> <li>• iKVM, Media Redirection, IPMI over LAN, Serial over LAN</li> <li>• SMASH Support</li> </ul>
	Network Controllers	<ul style="list-style-type: none"> <li>• Intel® PCH (Lewisburg) Integrated 10GbE LAN Controller with dual SFP+ rear connectors</li> <li>• Intel® I350 dual ports GbE RJ45 rear connectors</li> <li>• Realtek RTL8201EL for BMC dedicate management port</li> </ul>
	Graphics	<ul style="list-style-type: none"> <li>• Aspeed AST2500 Advanced PCIe Graphics &amp; Remote Management Processor</li> <li>• PCIe VGA/2D Controller</li> <li>• 1920x1200@60Hz 32bpp</li> </ul>



TOP VIEW

1300W 1+1 redundant power supply 80+ Platinum



Power supply and Server board are included.

REAR VIEW



FRONT VIEW

24 x 2.5" hot swap drive bays



<b>Rear I/O</b> (per node)	LAN	<ul style="list-style-type: none"> <li>• 2 x 10GbE SFP+</li> <li>• 2 x GbE RJ45</li> <li>• 1 x GbE RJ45 dedicated to BMC management</li> </ul>
	USB	2 x USB 3.0 Type-A connectors
	VGA	1 x external VGA port
	Serial Port	1 x external Audio jack for COM port
<b>Power Supply</b>	1300W 1+1 redundant power supply 80+ Platinum	
<b>System Cooling</b> (per node)	2 x 60x56mm fan modules	
<b>System Management</b>	<ul style="list-style-type: none"> <li>• IPMI 2.0</li> <li>• KVM over IP</li> <li>• Media redirection</li> <li>• Temperature, fan, voltage, PSU sensor monitor</li> <li>• System temperature</li> <li>• System ID / System fail indicator</li> <li>• Remote Power on/off/reset</li> <li>• SEL message alarm through mail</li> <li>• SNMP support</li> <li>• Intel NM</li> <li>• HTML5</li> <li>• Redfish</li> </ul>	

<b>Environmental Specifications</b>	<ul style="list-style-type: none"> <li>• Storage Temperature : -10°C(14°F) - 60°C(140°F)</li> <li>• Operating Temperature : 0°C(32°F) - 35°C(95°F)</li> <li>• System relative humidity : 5% - 95% non-condensing</li> </ul>	
<b>Gross Weight</b>	(w/ PSU & Rail)	kgs : 41
		lbs : 90
<b>Packaging Dimensions</b>	(W x D x H)	mm : 590 x 1150 x 330
		inches : 23.2 x 45.3 x 13
<b>Mounting</b>	Standard	28" tool-less slide rail

# SB101-LB



## Features :

- 1U 4-Bay general purpose storage server
- Supports two Intel® Xeon® Processors E5-2600 v3/v4 product family
- With Intel® C612 Series Chipset to provide 5+ years product life cycle
- Onboard Baseboard Management Controller for system management and IPMI control
- Two 10GbE RJ45 ports plus dedicated BMC management port
- Front-to-back airflow and hot swap redundant fans to provide optimal thermal conditions
- Customizable to meet OEM/ODM requirements

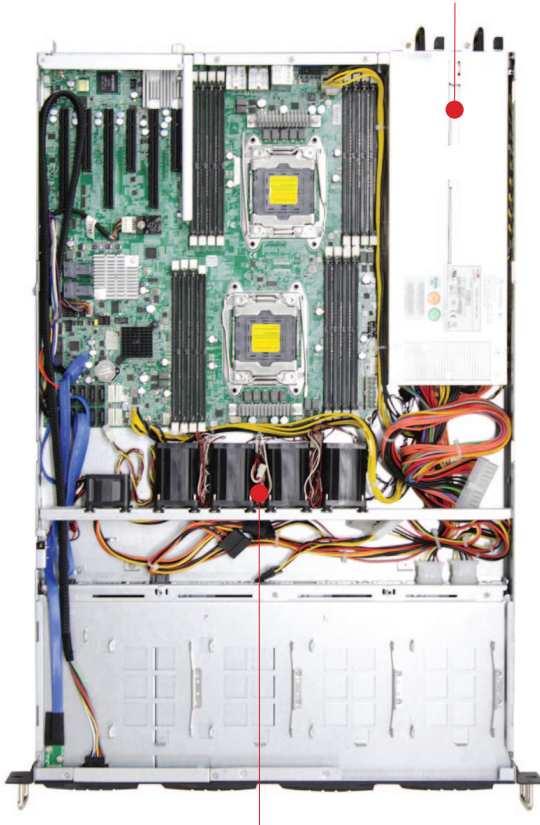
## SPECIFICATIONS

<b>Dimensions</b> (W x D x H)	mm : 438 x 680 x 43.5		
	inches : 17.2 x 26.8 x 1.7		
<b>Motherboard</b>	AIC Server Board Libra		
<b>Processor</b>	Processor Support	Two Intel® Xeon® Processors E5-2600 v3/v4 product family	
	QPI Speeds	9.6 GT/s, 8 GT/s, 7.2 GT/s	
	Socket Type	Socket R3 (FCLGA2011-3)	
<b>Chipset Support</b>	Intel® C612 PCH		
<b>System Memory</b>	<ul style="list-style-type: none"> <li>• 4 memory channels per CPU socket (2DPC)</li> <li>• 16 DIMM slots support: <ul style="list-style-type: none"> <li>- 512GB DDR4 2133/1866 RDIMM DRx4</li> <li>- 128GB DDR4 2133/1866 RDIMM SRx4</li> <li>- 1024GB DDR4 2133/1866 LRDIMM QRx4</li> <li>- 2048GB DDR4 2133/1866 LRDIMM 3DS 8Rx4</li> </ul> </li> <li>• Supports NVDIMMs</li> </ul>		
<b>Front Panel</b>	<ul style="list-style-type: none"> <li>• System power on/off</li> <li>• System reset</li> <li>• 1 x USB 3.0 port</li> </ul>		
<b>LEDs</b>	<ul style="list-style-type: none"> <li>• Power status</li> <li>• HDD active</li> <li>• LAN active</li> </ul>		
<b>Drive Bays</b>	External	3.5" hot swap	4
	Internal	2.5"	4
<b>Backplane</b>	1 x 4-port 12G SAS backplane with 1 x SFF-8643 connector		

<b>Expansion Slots</b>	PCIe 3.0	1 x PCIe Gen3 x8 slot via riser card
<b>System BIOS</b>	BIOS Type	<ul style="list-style-type: none"> <li>• Insyde UEFI BIOS</li> <li>• SPI (Serial Peripheral Interface) FLASH Interface</li> </ul>
	BIOS Features	<ul style="list-style-type: none"> <li>• ACPI</li> <li>• PXE</li> <li>• WOL</li> <li>• AC loss recovery</li> <li>• IPMI 2.0 KCS interface</li> <li>• SMBIOS</li> <li>• Serial console redirection</li> <li>• BIOS Boot Specification</li> <li>• BIOS Recovery Mode</li> <li>• SRIOV</li> <li>• PCIe Hotplug</li> <li>• iSCSI</li> <li>• TPM</li> <li>• PCIe NTB</li> </ul>
<b>On-board Devices</b>	SATA	Built-in SATA controller on Intel® C612 PCH with software RAID support
	IPMI	Aspeed AST2400 Advanced PCIe Graphics & Remote Management Processor
	Network Controllers	Intel® Ethernet Controller X540-AM2 / I350-AM2, dual ports, PCIe 2.0 (optional)
	Graphics	Aspeed AST2400 Advanced PCIe Graphics & Remote Management Processor <ul style="list-style-type: none"> <li>• PCIe VGA/2D Controller</li> <li>• 1920x1200@60Hz 32bpp</li> </ul>

TOP VIEW

450W 1+1 redundant power supply 80+ Platinum



4 x 4056mm + 1 x 4028mm PWM fans

Power supply and Server board are included.

REAR VIEW

2 x 10GbE RJ45



FRONT VIEW

4 x 3.5" hot swap drive bays



<b>Rear I/O</b>	LAN	2 x 10GbE RJ45 1 x dedicated management RJ45
	USB	2 x USB 3.0
	VGA	1 x DB-15
	Serial Port	1 x DB-9
<b>Power Supply</b>	<ul style="list-style-type: none"> <li>450W 1+1 redundant power supply 80+ Platinum</li> <li>500W single power supply (BTO)</li> </ul>	
<b>System Cooling</b>	4 x 40x56mm + 1 x 40x28mm PWM fans	
<b>System Management</b>	<ul style="list-style-type: none"> <li>Baseboard Management Controller</li> <li>Intelligent Platform Interface 2.0 (IPMI 2.0)</li> <li>iKVM, Media Redirection, IPMI over LAN, Serial over LAN</li> <li>SMASH Support</li> </ul>	

<b>Environmental Specifications</b>	<ul style="list-style-type: none"> <li>Operating temperature : 0° - 35°C</li> <li>Operating altitude condition : 0 ~ 10K feet</li> <li>Storage temperature : -20° ~ 60°C</li> <li>System relative humidity : 5% - 95% (38°C) non-condensing</li> </ul>	
	<b>Gross Weight</b>	(w/ PSU & Rail)
<b>Packaging Dimensions</b>		(W x D x H)
	<b>Mounting</b>	

12G SAS JBOD

NVMe JBOD

General Purpose Server Solution

High Availability Server Solution

Storage Server Solution

Flash Barebone Server Solution

Telco Appliance Server Solution

Server Board

Rackmount Chassis

Modular Chassis

Rackmount Storage Chassis

# SB101-LE



## Features :

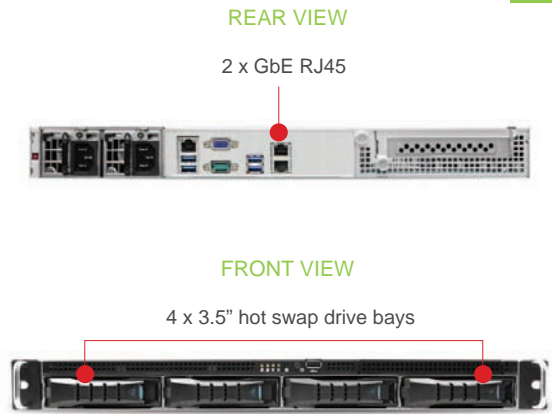
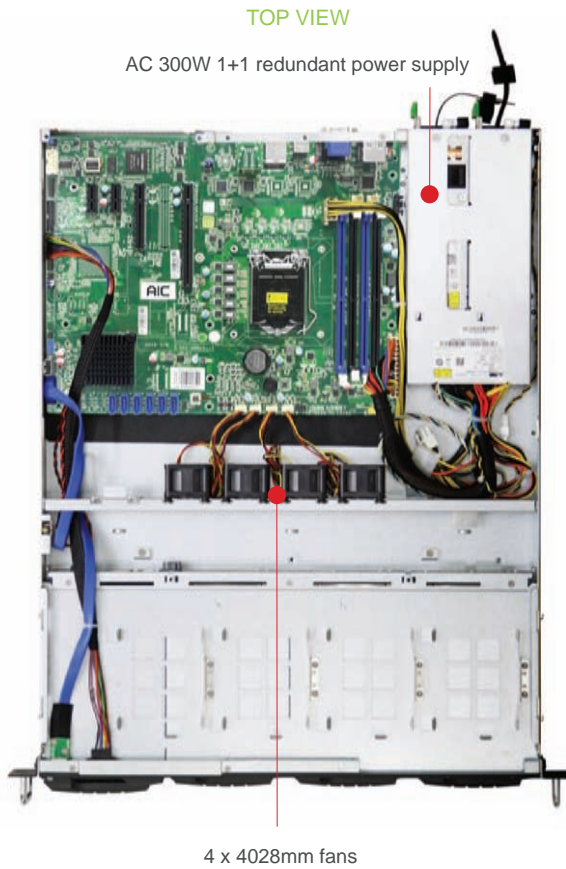
- 1U 4-Bay general purpose storage server
- Supports Intel® Xeon® Processors E3-1200 v5/v6 product family
- With Intel® C232 Series Chipset
- Onboard Baseboard Management Controller for system management and IPMI control
- Two GbE RJ45 ports plus dedicated BMC management port
- Front-to-back airflow and hot swap redundant fans to provide optimal thermal conditions
- Customizable to meet OEM/ODM requirements

## SPECIFICATIONS

<b>Dimensions</b> (W x D x H)	mm : 438 x 560 x 43.5		
	inches : 17.2 x 22 x 1.7		
<b>Motherboard</b>	AIC Server Board Lepus		
<b>Processor</b>	Processor Support	Intel® Xeon® Processors E3-1200 v5/v6 product family / 7th/6th Gen. Intel Core i3 Processors / Intel Celeron and Intel Pentium	
	Socket Type	LGA1151	
<b>Chipset Support</b>	Intel® C232 PCH		
<b>System Memory</b>	<ul style="list-style-type: none"> <li>• DDR4 2133-2400 ECC UDIMM</li> <li>• 4 DIMM slots ; 2 Channels ; Up to 64G</li> </ul>		
<b>Front Panel</b>	<ul style="list-style-type: none"> <li>• Power on/off</li> <li>• System reset</li> <li>• System ID</li> <li>• 2 x USB 3.0 Type A connector</li> </ul>		
<b>LEDs</b>	<ul style="list-style-type: none"> <li>• Power status</li> <li>• System alert</li> <li>• LAN active</li> <li>• Drive active</li> <li>• System ID</li> </ul>		
<b>Drive Bays</b>	External	3.5"	4 (tool-less)
	Internal	2.5"	4 (tool-less)
<b>Backplane</b>	1 x 4-port 12G SAS backplane with 1 x SFF-8643 connector		

<b>Expansion Slots</b>	PCIe 3.0	1 PCIe Gen3 x16 slot (w/ x8 link) by riser card
<b>System BIOS</b>	BIOS Type	AMI / 16MB
	BIOS Features	<ul style="list-style-type: none"> <li>• Hardware Monitor</li> <li>• Console Redirection</li> <li>• ACPI 5.0</li> <li>• SMBIOS 3.0</li> <li>• PnP</li> <li>• Wake on LAN</li> <li>• ACPI sleeping states S3,S4,S5</li> <li>• Boot from USB device</li> <li>• PXE via LAN/Storage</li> <li>• User Configurable FAN PWM Duty Cycle</li> </ul>
<b>On-board Devices</b>	SATA	<ul style="list-style-type: none"> <li>• Intel® C232</li> <li>• 6 x SATA 6.0 Gb/s</li> <li>• RAID 0/1/10/5 (Intel® RSTe)</li> </ul>
	IPMI	<ul style="list-style-type: none"> <li>• Aspeed AST2400 Advanced PCIe Graphics &amp; Remote Management Processor</li> <li>• Baseboard Management Controller</li> <li>• Intelligent Platform Interface 2.0 (IPMI 2.0)</li> <li>• iKVM, Media Redirection, IPMI over LAN, Serial over LAN</li> <li>• SMASH Support</li> </ul>
	Network Controllers	<ul style="list-style-type: none"> <li>• 2 x Intel® i210 GbE LAN Controller</li> <li>• Broadcom BCM5221 PHY for BMC dedicated management port</li> </ul>
	Graphics	<ul style="list-style-type: none"> <li>• Aspeed AST2400</li> <li>• D-Sub 15-pin</li> <li>• Up to 1920x1200@60Hz 32bpp</li> </ul>





Power supply and Server board are included.

<b>Rear I/O</b>	LAN	<ul style="list-style-type: none"> <li>• 2 x GbE RJ45 + 1 dedicated for IPMI</li> <li>• Intel® I210-AT</li> <li>• Broadcom BCM5221 PHY (dedicated for IPMI connection)</li> </ul>
	USB	2 x USB 2.0 ports (Type-A)
	COM	1 x port
	VGA	1 x D-Sub 15-pin VGA port
	RJ-45	2 x GbE ports, x IPMI Dedicated
<b>Power Supply</b>	<ul style="list-style-type: none"> <li>• AC 300W 1+1 redundant power supply (Optional 500W/400W 1+1 redundant power supply)</li> </ul>	
<b>System Cooling</b>	3 x 40x28mm fans (optional 4x / 5x 40x28mm fans)	
<b>System Management</b>	<ul style="list-style-type: none"> <li>• IPMI 2.0 compliant baseboard management controller (BMC) / Supports storage over IP and remote platform-flash / USB 2.0 virtual hub</li> <li>• 24-bit high quality video compression / 10/100 Mb/s MAC interface</li> </ul>	

<b>Environmental Specifications</b>	<ul style="list-style-type: none"> <li>• Operating temperature : 0° - 35°C</li> <li>• System relative humidity : 5% - 95% (38°C) non-condensing</li> </ul>	
<b>Gross Weight</b>	(w/ PSU & Rail)	kgs : 15
		lbs : 33
<b>Packaging Dimensions</b>	(W x D x H)	mm : 615 x 895 x 273
		inches : 24.2 x 35.2 x 10.8
<b>Mounting</b>	Standard	28" tool-less slide rail

# SB102-LB



## Features :

- 1U 10-Bay storage server with the exceptionally high storage density
- Supports two Intel® Xeon® Processors E5-2600 v3/v4 product family
- With Intel® C612 Series Chipset to provide 5+ years product life cycle
- Onboard Baseboard Management Controller for system management and IPMI control
- Two 10GbE RJ45 ports
- Front-to-back airflow and hot swap redundant fans to provide optimal thermal conditions
- Customizable to meet your requirements

## SPECIFICATIONS

<b>Dimensions</b> (W x D x H)	mm : 438 x 680 x 43.5		
	inches : 17.2 x 26.8 x 1.7		
<b>Motherboard</b>	AIC Server Board Libra		
<b>Processor</b>	Processor Support	Two Intel® Xeon® Processors E5-2600 v3/v4 product family (recommends 84W)	
	QPI Speeds	9.6 GT/s, 8.0 GT/s, 7.2 GT/s	
	Socket Type	Socket R3 (FCLGA2011-3)	
<b>Chipset Support</b>	Intel® C612 Chipset		
<b>System Memory</b>	<ul style="list-style-type: none"> <li>• 4 memory channels per CPU socket (2DPC)</li> <li>• 16 DIMM slots support: <ul style="list-style-type: none"> <li>- 512GB DDR4 2133/1866 RDIMM DRx4</li> <li>- 128GB DDR4 2133/1866 RDIMM SRx4</li> <li>- 1024GB DDR4 2133/1866 LRDIMM QRx4</li> <li>- 2048GB DDR4 2133/1866 LRDIMM 3DS 8Rx4</li> </ul> </li> <li>• Supports NVDIMMs</li> </ul>		
<b>Front Panel</b>	<ul style="list-style-type: none"> <li>• Power on/off</li> <li>• System reset</li> <li>• 1 x USB port</li> </ul>		
<b>LEDs</b>	<ul style="list-style-type: none"> <li>• Power</li> <li>• LAN</li> <li>• Drive</li> </ul>		
<b>Drive Bays</b>	External	2.5" hot swap	10 (8 x 12G SAS + 2 x 6G SATA)
<b>Backplane</b>	<ul style="list-style-type: none"> <li>• 2 x 4-port 12Gb SAS backplane with 1 x SFF-8643 connector</li> <li>• 1 x 2-port 6Gb SAS/SATA backplane with 2 x 7-pin connectors</li> </ul>		

<b>Expansion Slots</b>	PCIe 3.0	1 x8 FHHL
<b>Riser Card</b> (included)	RC1-E16/8X	1x PCIe X8
<b>System BIOS</b>	BIOS Type	<ul style="list-style-type: none"> <li>• Insyde UEFI BIOS</li> <li>• SPI (Serial Peripheral Interface) FLASH Interface</li> </ul>
	BIOS Features	<ul style="list-style-type: none"> <li>• ACPI</li> <li>• PXE</li> <li>• WOL</li> <li>• AC loss recovery</li> <li>• IPMI 2.0 KCS interface</li> <li>• SMBIOS</li> <li>• Serial console redirection</li> <li>• BIOS Boot Specification</li> <li>• BIOS Recovery Mode</li> <li>• SRIOV</li> <li>• PCIe Hotplug</li> <li>• iSCSI</li> <li>• TPM</li> </ul>
<b>On-board Devices</b>	SATA	10
	IPMI	Aspeed AST2400 Advanced PCIe Graphics & Remote Management Processor
	Network Controllers	Intel® Ethernet Controller X540-AM2/ I350-AM2, dual ports, PCIe 2.0 (optional)
	Graphics	Aspeed AST2400 Advanced PCIe Graphics & Remote Management Processor <ul style="list-style-type: none"> <li>• PCIe VGA/2D Controller</li> <li>• 1920x1200@60Hz 32bpp</li> </ul>

TOP VIEW

650W 1+1 redundant power supply



REAR VIEW

2 x 10GbE RJ45



FRONT VIEW

10 x 2.5" hot swap drive bays



Power supply and Server board are included.

<b>Rear I/O</b>	LAN	2 x 10GbE RJ45 1 x dedicated management RJ45
	USB	2 x USB 3.0
	VGA	1 x DB-15
	Serial Port	1 x DB-9
<b>Power Supply</b>	650W 1+1 redundant power supply (Optional 850W 1+1 redundant power supply)	
<b>System Cooling</b>	5 x 40x56mm dual rotor fans	
<b>System Management</b>	<ul style="list-style-type: none"> <li>• Baseboard Management Controller</li> <li>• Intelligent Platform Interface 2.0 (IPMI 2.0)</li> <li>• iKVM, Media Redirection, IPMI over LAN, Serial over LAN</li> <li>• SMASH Support</li> </ul>	

<b>Environmental Specifications</b>	<ul style="list-style-type: none"> <li>• Temperature: 0°C - 35°C</li> <li>• Humidity: 5% - 95% non-condensing</li> </ul>	
	<b>Gross Weight</b>	(w/ PSU & Rail)
<b>Packaging Dimensions</b>		(W x D x H)
	<b>Mounting</b>	

12G SAS JBOD

NVMe JBOD

General Purpose Server Solution

High Availability Server Solution

Storage Server Solution

Flash Barebone Server Solution

Telco Appliance Server Solution

Server Board

Rackmount Chassis

Modular Chassis

Rackmount Storage Chassis

# SB103-LB



## Features :

- 1U 8-Bay high density storage server
- Supports two Intel® Xeon® Processors E5-2600 v3/v4 product family
- With Intel® C612 Series Chipset to provide 5+ years product life cycle
- Onboard Baseboard Management Controller for system management and IPMI control
- Front-to-back airflow and hot swap redundant fans to provide optimal thermal conditions
- Two 10GbE RJ45 ports plus dedicated BMC management port
- Customizable to meet OEM/ODM requirements

## SPECIFICATIONS

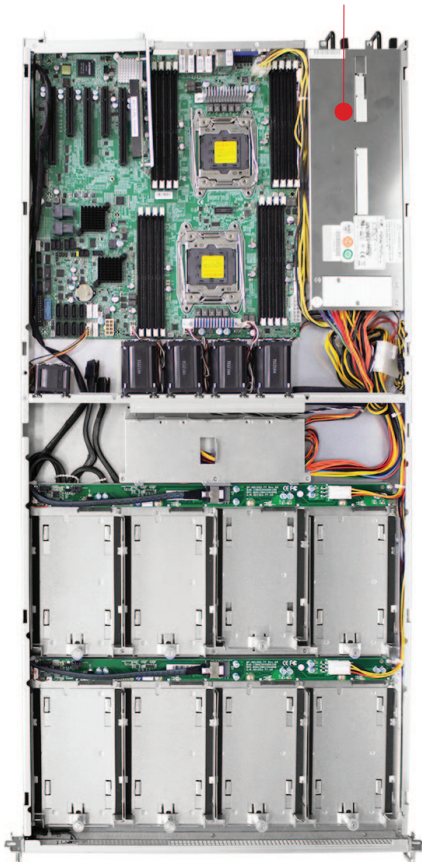
<b>Dimensions</b> (W x D x H)	mm : 438 x 910 x 44		
	inches : 17.2 x 35.8 x 1.7		
<b>Motherboard</b>	AIC Server Board Libra		
<b>Processor</b>	Processor Support	Two Intel® Xeon® Processors E5-2600 v3/v4 product family	
	QPI Speeds	9.6 GT/s, 8 GT/s, 7.2 GT/s	
	Socket Type	Socket R3 (FCLGA2011-3)	
<b>Chipset Support</b>	Intel® C612 PCH		
<b>System Memory</b>	<ul style="list-style-type: none"> <li>• 4 memory channels per CPU socket (2DPC)</li> <li>• 16 DIMM slots support: <ul style="list-style-type: none"> <li>- 512GB DDR4 2133/1866 RDIMM DRx4</li> <li>- 128GB DDR4 2133/1866 RDIMM SRx4</li> <li>- 1024GB DDR4 2133/1866 LRDIMM QRx4</li> <li>- 2048GB DDR4 2133/1866 LRDIMM 3DS 8Rx4</li> </ul> </li> <li>• Supports NVDIMMs</li> </ul>		
<b>Front Panel</b>	<ul style="list-style-type: none"> <li>• System power on/off</li> <li>• System reset</li> <li>• 1 x USB 3.0 port</li> </ul>		
<b>LEDs</b>	<ul style="list-style-type: none"> <li>• Power status</li> <li>• HDD active</li> <li>• LAN active</li> </ul>		
<b>Drive Bays</b>	Internal	3.5" hot swap	8
		2.5"	2
<b>Backplane</b>	2 x 4-port 12Gb SAS backplanes with single SFF-8643 connector on each		

<b>Expansion Slots</b>	PCIe 3.0	1 x PCIe Gen3 x8
<b>System BIOS</b>	BIOS Type	<ul style="list-style-type: none"> <li>• Insyde UEFI BIOS</li> <li>• SPI (Serial Peripheral Interface) FLASH Interface</li> </ul>
	BIOS Features	<ul style="list-style-type: none"> <li>• ACPI</li> <li>• PXE</li> <li>• WOL</li> <li>• AC loss recovery</li> <li>• IPMI 2.0 KCS interface</li> <li>• SMBIOS</li> <li>• Serial console redirection</li> <li>• BIOS Boot Specification</li> <li>• BIOS Recovery Mode</li> <li>• SRIOV</li> <li>• PCIe Hotplug</li> <li>• iSCSI</li> <li>• TPM</li> <li>• PCIe NTB</li> </ul>
<b>On-board Devices</b>	SATA	Built-in SATA controller on Intel® C612 PCH with software RAID support
	IPMI	Aspeed AST2400 Advanced PCIe Graphics & Remote Management Processor
	Network Controllers	Intel® Ethernet Controller X540-AM2 / I350-AM2, dual ports, PCIe 2.0 (optional)
	Graphics	Aspeed AST2400 Advanced PCIe Graphics & Remote Management Processor <ul style="list-style-type: none"> <li>• PCIe VGA/2D Controller</li> <li>• 1920x1200@60Hz 32bpp</li> </ul>



TOP VIEW

450W 1+1 redundant power supply 80+ Platinum



REAR VIEW

2 x 10GbE RJ45



FRONT VIEW



Power supply and Server board are included.

<b>Rear I/O</b>	LAN	2 x 10GbE RJ45 1 x dedicated management RJ45
	USB	2 x USB 3.0
	VGA	1 x DB-15
	Serial Port	1 x DB-9
<b>Power Supply</b>	450W 1+1 redundant power supply 80+ Platinum	
<b>System Cooling</b>	5 x easy swap 40x28mm PWM system cooling fans	
<b>System Management</b>	<ul style="list-style-type: none"> <li>• Baseboard Management Controller</li> <li>• Intelligent Platform Interface 2.0 (IPMI 2.0)</li> <li>• iKVM, Media Redirection, IPMI over LAN, Serial over LAN</li> <li>• SMASH Support</li> </ul>	

<b>Environmental Specifications</b>	<ul style="list-style-type: none"> <li>• Operating temperature : 0° - 35°C</li> <li>• Operating altitude condition : 0 ~ 10K feet</li> <li>• Storage temperature : -20° ~ 60°C</li> <li>• System relative humidity : 5% - 95% (38°C) non-condensing</li> </ul>	
	<b>Gross Weight</b>	(w/ PSU & Rail) kgs : 25 lbs : 55
<b>Packaging Dimensions</b>	(W x D x H)	mm : 615 x 1215 x 274
		inches : 24.2 x 47.8 x 10.8
<b>Mounting</b>	Standard	26" tool-less slide rail

12G SAS JBOD

NVMe JBOF

General Purpose Server Solution

High Availability Server Solution

Storage Server Solution

Flash Barebone Server Solution

Telco Appliance Server Solution

Server Board

Rackmount Chassis

Modular Chassis

Rackmount Storage Chassis

# SB121-PH



## Features :

- 1U 10-Bay storage server with the exceptionally high storage density
- Supports two Intel® Xeon® Processors E5-2600 v3/v4 product family
- With Intel® C612 Series Chipset to provide 5+ years product life cycle
- Flexible IO usage with Max IO™ to support up to 4 COTS PCIe 3.0 cards in a 1U
- Onboard Baseboard Management Controller for system management and IPMI control
- Two 10GbE SFP+ ports
- Front-to-back airflow and hot swap redundant fans to provide optimal thermal conditions
- Customizable to meet your requirements

## SPECIFICATIONS

<b>Dimensions</b> (W x D x H)	mm : 438 x 787.4 x 44.4		
	inches : 17.2 x 31 x 1.75		
<b>Motherboard</b>	AIC Server Board Phoenix		
<b>Processor</b>	Processor Support	Two Intel® Xeon® Processors E5-2600 v3/v4 product family	
	QPI Speeds	9.6 GT/s, 8.0 GT/s, 7.2 GT/s	
	Socket Type	Socket R3 (FCLGA2011-3)	
<b>Chipset Support</b>	Intel® C612 Chipset		
<b>System Memory</b>	• 12 DIMM slots across 8 memory channels (4 memory channels per CPU; 2 channels with 2DPC and 2 channels with 1DPC)		
	- 384GB DDR4 2133/1866 RDIMM DRx4		
	- 96GB DDR4 2133/1866 RDIMM SRx4		
	- 768GB DDR4 2133/1866 LRDIMM QRx4		
	- 1536GB DDR4 2133/1866 LRDIMM 3DS 8Rx4		
<b>Front Panel</b>	• Power on/off		
	• System ID • System reset • USB 2.0 Type A connector		
<b>LEDs</b>	• Power		
	• System ID • Alert		
<b>Drive Bays</b>	External	2.5" hot swap	10
<b>Backplane</b>	1 x 10-port 6Gb SAS backplane with 3 SFF-8087 connectors		
<b>Expansion Slots</b>	PCIe 3.0	4 x8	
<b>Riser Card (included)</b>	PSG-RC-TO1U-40-110	1U PCIe Gold-finger to 4 x PCIe x8	

<b>System BIOS</b>	<b>BIOS Type</b>	• Insyde UEFI BIOS • SPI (Serial Peripheral Interface) FLASH Interface
	<b>BIOS Features</b>	<ul style="list-style-type: none"> <li>• ACPI</li> <li>• PXE</li> <li>• WOL</li> <li>• AC loss recovery</li> <li>• IPMI 2.0 KCS interface</li> <li>• SMBIOS</li> <li>• Serial console redirection</li> </ul> <ul style="list-style-type: none"> <li>• BIOS Boot Specification</li> <li>• BIOS Recovery Mode</li> <li>• SRIOV</li> <li>• PCIe Hotplug</li> <li>• iSCSI</li> <li>• TPM</li> <li>• PCIe NTB</li> </ul>
<b>On-board Devices</b>	<b>SATA</b>	Built-in SATA controller with RAID support on Intel® C612 Chipset
	<b>IPMI</b>	Aspeed AST2400 Advanced PCIe Graphics & Remote Management Processor • Baseboard Management Controller • Intelligent Platform Interface 2.0 (IPMI 2.0) • iKVM, Media Redirection, IPMI over LAN, Serial over LAN • SMASH Support
	<b>Network Controllers</b>	• Intel® 82599ES 10GbE Controller, dual port, SFP+, PCIe v2.0 (5.0GT/s) • Intel® Ethernet Controller I210-AT, single port GbE controller, PCIe v2.1, 2.5 GT/s, x1 • Intel® Ethernet Network Connection I217-LM, single port GbE, 1 Gbps
	<b>Graphics</b>	Aspeed AST2400 Advanced PCIe Graphics & Remote Management Processor • PCIe VGA/2D Controller • 1920x1200@60Hz 32bpp

TOP VIEW

AC 650W 1+1 redundant power supply 80+



Power supply and Server board are included.

REAR VIEW

2 x 10GbE SFP+



FRONT VIEW

10 x 2.5" hot swap drive bays



<b>Rear I/O</b>	LAN	2 x 10GbE SFP+ 2 x RJ45
	USB	2 x USB 3.0 Type A
	VGA	1 x DB-15
	Serial Port	1 x DB-9
<b>Power Supply</b>	AC 650W 1+1 redundant high-efficiency power supply 80+ • 90-264VAC, 47-63 Hz	
<b>System Cooling</b>	6 x 40x56mm 21500/18000 rpm hot swap fan modules	
<b>System Management</b>	<ul style="list-style-type: none"> <li>• IPMI 2.0</li> <li>• KVM over IP</li> <li>• Media redirection</li> <li>• Temperature, fan, voltage, PSU sensor monitor</li> <li>• System temperature</li> <li>• System ID / System fail indicator</li> <li>• Remote power on/off/reset</li> <li>• SEL message alarm through mail</li> <li>• SNMP support</li> <li>• Intel NM</li> </ul>	

<b>Environmental Specifications</b>	<ul style="list-style-type: none"> <li>• Operating temperature : 0° - 35°C</li> <li>• System relative humidity : 5% - 95% non-condensing</li> </ul>	
	<b>Gross Weight</b>	(w/ PSU & Rail) kgs : 24 lbs : 53
<b>Packaging Dimensions</b>	(W x D x H)	mm : 590 x 1130 x 273
		inches : 23.2 x 44.5 x 10.7
<b>Mounting</b>	Standard	28" tool-less slide rail

# SB122A-PH



## Features :

- 1U 10-Bay storage server supports 10 PCIe SSD 2.5" FF drives (NVMe) to provide a highly dense, all NVMe Flash storage array
- Supports two Intel® Xeon® Processors E5-2600 v3/v4 product family
- With Intel® C612 Series Chipset to provide 5+ years product life cycle
- Flexible IO usage with Max IO™ to support up to 2 COTS PCIe 3.0 cards
- Onboard Baseboard Management Controller for system management and IPMI control
- Two 10GbE SFP+ ports
- Front-to-back airflow and hot swap redundant fans to provide optimal thermal conditions
- Customizable to meet your requirements

## SPECIFICATIONS

<b>Dimensions</b> (W x D x H)	mm : 438 x 787.4 x 44.4		
	inches : 17.2 x 31 x 1.75		
<b>Motherboard</b>	AIC Server Board Phoenix		
<b>Processor</b>	Processor Support	Two Intel® Xeon® Processors E5-2600 v3/v4 product family	
	QPI Speeds	9.6 GT/s, 8.0 GT/s, 7.2 GT/s	
	Socket Type	Socket R3 (FCLGA2011-3)	
<b>Chipset Support</b>	Intel® C612 Chipset		
<b>System Memory</b>	• 12 DIMM slots across 8 memory channels (4 memory channels per CPU; 2 channels with 2DPC and 2 channels with 1DPC)		
	- 384GB DDR4 2133/1866 RDIMM DRx4		
	- 96GB DDR4 2133/1866 RDIMM SRx4		
	- 768GB DDR4 2133/1866 LRDIMM QRx4 - 1536GB DDR4 2133/1866 LRDIMM 3DS 8Rx4		
<b>Front Panel</b>	• Power on/off		
	• System ID • System reset • USB 2.0 Type A connector		
<b>LEDs</b>	• Power		
	• System ID • Alert		
<b>Drive Bays</b>	External	2.5" hot swap PCIe SSD	10
	Internal	2.5" fixed SATA SSD	2
<b>Backplanes</b>	5 x 2-port PCIe backplanes with dual SFF-8643 connectors on each		
<b>Expansion Slots</b>	PCIe 3.0	1 x16, 1 x8	
	<b>Riser Card (included)</b>	PSG-RC-PH1U-2N-110	1U PCIe Gold finger x16 to 1 PCIe x16, 1 PCIe x8 and 10 PCIe x4 (SFF-8643) for NVMe

<b>System BIOS</b>	BIOS Type	• Insyde UEFI BIOS • SPI (Serial Peripheral Interface) FLASH Interface
	BIOS Features	• ACPI • PXE • WOL • AC loss recovery • IPMI 2.0 KCS interface • SMBIOS • Serial console redirection • BIOS Boot Specification • BIOS Recovery Mode • SRIOV • PCIe Hotplug • iSCSI • TPM • PCIe NTB
<b>On-board Devices</b>	SATA	Built-in SATA RAID controller on Intel® C612 Chipset with software RAID support
	IPMI	Aspeed AST2400 Advanced PCIe Graphics & Remote Management Processor • Baseboard Management Controller • Intelligent Platform Interface 2.0 (IPMI 2.0) • iKVM, Media Redirection, IPMI over LAN, Serial over LAN • SMASH Support
	Network Controllers	• Intel® 82599ES 10GbE Controller, dual port, SFP+, PCIe v2.0 (5.0GT/s) • Intel® Ethernet Controller I210-AT, single port GbE controller, PCIe v2.1, 2.5 GT/s, x1 • Intel® Ethernet Network Connection I217-LM, single port GbE, 1 Gbps
	Graphics	Aspeed AST2400 Advanced PCIe Graphics & Remote Management Processor • PCIe VGA/2D Controller • 1920x1200@60Hz 32bpp



TOP VIEW

AC 850W 1+1 redundant power supply 80+



REAR VIEW

2 x 10GbE SFP+



FRONT VIEW

10 x 2.5" hot swap PCIe SSD bays



Power supply and Server board are included.

<b>Rear I/O</b>	LAN	2 x 10GbE SFP+ 2 x RJ45
	USB	2 x USB 3.0 Type A
	VGA	1 x DB-15
	Serial Port	1 x DB-9
<b>Power Supply</b>	AC 850W 1+1 redundant high-efficiency power supply 80+ • 90-264VAC, 47-63 Hz	
<b>System Cooling</b>	6 x 40x56mm 21500/18000 rpm hot swap fan modules	
<b>System Management</b>	<ul style="list-style-type: none"> <li>• IPMI 2.0</li> <li>• KVM over IP</li> <li>• Media redirection</li> <li>• Temperature, fan, voltage, PSU sensor monitor</li> <li>• System temperature</li> <li>• System ID / System fail indicator</li> <li>• Remote power on/off/reset</li> <li>• SEL message alarm through mail</li> <li>• SNMP support</li> <li>• Intel NM</li> </ul>	

<b>Environmental Specifications</b>	<ul style="list-style-type: none"> <li>• Operating temperature : 0° - 35°C</li> <li>• System relative humidity : 5% - 95% non-condensing</li> </ul>	
	<b>Gross Weight</b>	(w/ PSU & Rail)      kgs : 24 lbs : 53
<b>Packaging Dimensions</b>	(W x D x H)	mm : 590 x 1130 x 273
		inches : 23.2 x 44.5 x 10.7
<b>Mounting</b>	Standard	28" tool-less slide rail

12G SAS JBOD

NVMe JBOF

General Purpose Server Solution

High Availability Server Solution

Storage Server Solution

Flash Barebone Server Solution

Telco Appliance Server Solution

Server Board

Rackmount Chassis

Modular Chassis

Rackmount Storage Chassis

# SB151-LB



## Features :

- High density 1.5U 16-Bay object storage server
- Supports two Intel® Xeon® Processors E5-2600 v3/v4 product family
- With Intel® C612 Series Chipset to provide 5+ years product life cycle
- Onboard Baseboard Management Controller for system management and IPMI control
- Front-to-back airflow and hot swap redundant fans to provide optimal thermal conditions
- Two 10GbE RJ45 ports

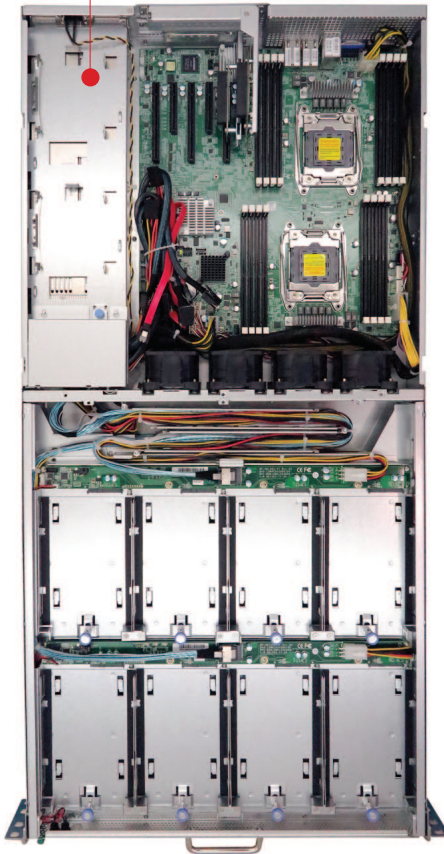
## SPECIFICATIONS

<b>Dimensions</b> (W x D x H)	mm : 438 x 900 x 66.6		
	inches : 17.2 x 35.4 x 2.6		
<b>Motherboard</b>	AIC Server Board Libra		
<b>Processor</b>	Processor Support	Two Intel® Xeon® Processors E5-2600 v3/v4 product family	
	QPI Speeds	9.6 GT/s, 8 GT/s, 7.2 GT/s	
	Socket Type	Socket R3 (FCLGA2011-3)	
<b>Chipset Support</b>	Intel® C612 Chipset		
<b>System Memory</b>	<ul style="list-style-type: none"> <li>• 16 DIMM slots across 8 memory channels (4 memory channels per CPU; 2DPC)</li> <li>- 512GB DDR4 2133/1866 RDIMM DRx4</li> <li>- 128GB DDR4 2133/1866 RDIMM SRx4</li> <li>- 1024GB DDR4 2133/1866 LRDIMM QRx4</li> <li>- 2048GB DDR4 2133/1866 LRDIMM 3DS 8Rx4</li> </ul>		
<b>Front Panel</b>	<ul style="list-style-type: none"> <li>• Power on/off</li> <li>• System reset</li> </ul>		
<b>LEDs</b>	<ul style="list-style-type: none"> <li>• Power</li> <li>• Alert</li> <li>• Network activity</li> </ul>		
<b>Drive Bays</b>	Internal	3.5" hot swap	16
		2.5"	2
<b>Backplanes</b>	4 x 4-port 12Gb SAS backplanes with single SFF-8643 connector on each		
<b>Expansion Slots</b>	PCIe 3.0	2 x8	

<b>System BIOS</b>	<b>BIOS Type</b>	<ul style="list-style-type: none"> <li>• Insyde UEFI BIOS</li> <li>• SPI (Serial Peripheral Interface) FLASH Interface</li> </ul>	
	<b>BIOS Features</b>	<ul style="list-style-type: none"> <li>• ACPI</li> <li>• PXE</li> <li>• WOL</li> <li>• AC loss recovery</li> <li>• IPMI 2.0 KCS interface</li> <li>• SMBIOS</li> <li>• Serial console redirection</li> </ul>	<ul style="list-style-type: none"> <li>• BIOS Boot Specification</li> <li>• BIOS Recovery Mode</li> <li>• SRIOV</li> <li>• iSCSI</li> <li>• TPM</li> <li>• PCIe NTB</li> </ul>
<b>On-board Devices</b>	<b>SATA</b>	Built-in SATA controller with RAID support on Intel® C612 Chipset	
	<b>IPMI</b>	Aspeed AST2400 Advanced PCIe Graphics & Remote Management Processor <ul style="list-style-type: none"> <li>• Baseboard Management Controller</li> <li>• Intelligent Platform Interface 2.0 (IPMI 2.0)</li> <li>• iKVM, Media Redirection, IPMI over LAN, Serial over LAN</li> <li>• SMASH Support</li> </ul>	
	<b>Network Controllers</b>	<ul style="list-style-type: none"> <li>• Intel® Ethernet Controller X540-BT2 dual port 10GbE, 10GBASE-T, PCIe v2.1, x8 [Or Intel® Ethernet Controller I350-AM2, dual port GbE, PCIe v2.0 (co-lay with Intel® X540-BT2). MOQ required.]</li> <li>• Intel® Ethernet Controller I210-AT, single port GbE controller, PCIe v2.1, 2.5 GT/s, x1</li> <li>• Intel® Ethernet Network Connection I217-LM, single port GbE, 1Gbps</li> <li>• Realtek® RTL8201EL single port 10/100 Mbps Ethernet PHYceiver for dedicated BMC port</li> </ul>	
	<b>Graphics</b>	Aspeed AST2400 Advanced PCIe Graphics & Remote Management Processor <ul style="list-style-type: none"> <li>• PCIe VGA/2D Controller</li> <li>• 1920x1200@60Hz 32bpp</li> </ul>	

TOP VIEW

750W 1+1 redundant PSU 80+ Gold



REAR VIEW

2 x8 PCIe 3.0 slots



FRONT VIEW

Power on/off and system reset



Two drawers, each supports 8 x 3.5" drives

Power supply and Server board are included.

<b>Rear I/O</b>	LAN	2 x RJ45 1 x RJ45 (dedicated BMC port) 2 x RJ45 cabled from two internal 2x5 box pin-header (optional accessory)
	USB	2 x USB 3.0 Type A
	VGA	1 x DB-15
	Serial Port	1 x DB-9
<b>Power Supply</b>	750W 1+1 redundant PSU 80+ Gold	
<b>System Cooling</b>	4 x 60x38mm PWM easy swap fans	
<b>System Management</b>	<ul style="list-style-type: none"> <li>• IPMI 2.0</li> <li>• KVM over IP</li> <li>• Media redirection</li> <li>• Temperature, fan, voltage, PSU sensor monitor</li> <li>• System temperature</li> <li>• System ID / System fail indicator</li> <li>• Remote power on/off/reset</li> <li>• SEL message alarm through mail</li> <li>• SNMP support</li> <li>• Intel NM</li> </ul>	

<b>Environmental Specifications</b>	<ul style="list-style-type: none"> <li>• Operating temperature : 0° - 35°C</li> <li>• System relative humidity : 5% - 95% non-condensing</li> </ul>	
<b>Gross Weight</b>	(w/ PSU & Rail)	kgs : 28
		lbs : 61.6
<b>Packaging Dimensions</b>	(W x D x H)	mm : 590 x 1070 x 280
		inches : 23.2 x 42.1 x 11
<b>Mounting</b>	Standard	30" tool-less slide rail

12G SAS JBOD

NVMe JBOD

General Purpose Server Solution

High Availability Server Solution

Storage Server Solution

Flash Barebone Server Solution

Telco Appliance Server Solution

Server Board

Rackmount Chassis

Modular Chassis

Rackmount Storage Chassis

# SB201-LB



## Features :

- 2U 24-Bay high density storage server barebone
- Supports two Intel® Xeon® Processors E5-2600 v3/v4 product family
- Intel® C612 Chipset to provide 5+ years product life cycle
- Onboard Baseboard Management Controller for system management and IPMI control
- Two 10GbE RJ45 ports
- Front-to-back airflow and hot swap redundant fans to provide optimal thermal conditions
- Customizable to meet your requirements
- High-efficiency power supply

## SPECIFICATIONS

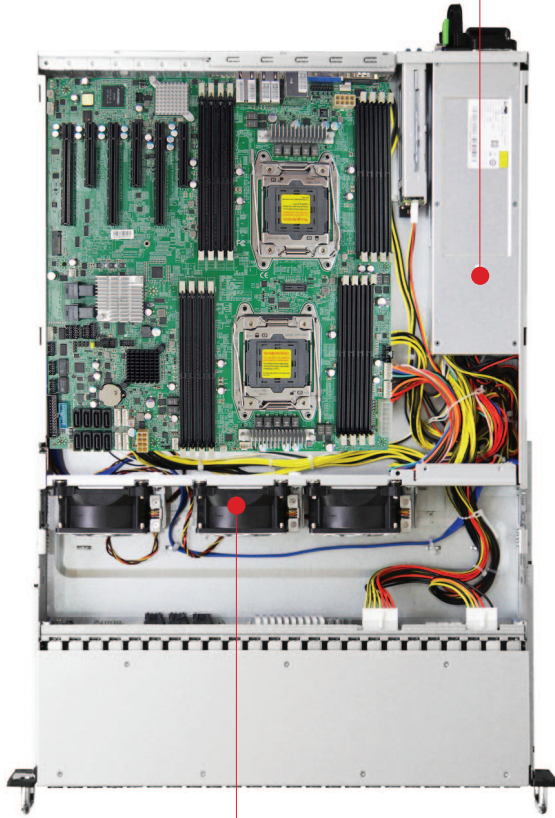
<b>Dimensions</b> (W x D x H)	mm : 430 x 646.2 x 88.2	
	inches : 17 x 25.4 x 3.5	
<b>Motherboard</b>	AIC Server Board Libra	
<b>Processor</b>	Processor Support	Two Intel® Xeon® Processors E5-2600 v3/v4 product family
	QPI Speeds	9.6 GT/s, 8 GT/s, 7.2 GT/s
	Socket Type	Socket R3 (FCLGA2011-3)
<b>Chipset Support</b>	Intel® C612 Chipset	
<b>System Memory</b>	<ul style="list-style-type: none"> <li>• 16 DIMM slots across 8 memory channels (4 memory channels per CPU; 2DPC)</li> <li>- 512GB DDR4 2133/1866 RDIMM DRx4</li> <li>- 128GB DDR4 2133/1866 RDIMM SRx4</li> <li>- 1024GB DDR4 2133/1866 LRDIMM QRx4</li> <li>- 2048GB DDR4 2133/1866 LRDIMM 3DS 8Rx4</li> </ul>	
<b>Front Panel</b>	<ul style="list-style-type: none"> <li>• Power on/off</li> <li>• System reset</li> </ul>	
<b>LEDs</b>	<ul style="list-style-type: none"> <li>• Power</li> <li>• Drive activity</li> <li>• Network activity</li> </ul>	
<b>Drive Bays</b>	External	2.5" hot swap
	Internal	2.5"
<b>Backplane</b>	Options	24 (front)
		Options : • 2 x 2.5" hot swap (rear) • 2 x 2.5" internal
<b>Backplane</b>	Options	1 x 24-port 12Gb SAS backplane with a 36-PHY expander chip and 3 SFF-8643 connectors
		1 x 24-port 12Gb SAS backplane with 6 SFF-8643 connectors
<b>Expansion Slots</b>	PCIe 3.0	2 x16 + 1 x16 (x8 mode) + 3 x8 (all LP)

<b>System BIOS</b>	<b>BIOS Type</b>	<ul style="list-style-type: none"> <li>• Insyde UEFI BIOS</li> <li>• SPI (Serial Peripheral Interface) FLASH Interface</li> </ul>
	<b>BIOS Features</b>	<ul style="list-style-type: none"> <li>• ACPI</li> <li>• PXE</li> <li>• WOL</li> <li>• AC loss recovery</li> <li>• IPMI 2.0 KCS interface</li> <li>• SMBIOS</li> <li>• Serial console redirection</li> <li>• BIOS Boot Specification</li> <li>• BIOS Recovery Mode</li> <li>• SRIOV</li> <li>• iSCSI</li> <li>• TPM</li> <li>• PCIe NTB</li> </ul>
<b>On-board Devices</b>	<b>SATA</b>	Built-in SATA controller on Intel® C612 Chipset with software RAID support
	<b>IPMI</b>	<ul style="list-style-type: none"> <li>Aspeed AST2400 Advanced PCIe Graphics &amp; Remote Management Processor</li> <li>• Baseboard Management Controller</li> <li>• Intelligent Platform Interface 2.0 (IPMI 2.0)</li> <li>• iKVM, Media Redirection, IPMI over LAN, Serial over LAN</li> <li>• SMASH Support</li> </ul>
	<b>Network Controllers</b>	<ul style="list-style-type: none"> <li>• Intel® Ethernet Controller X540-BT2 dual port 10GbE, 10GBASE-T, PCIe v2.1, x8 [Or Intel® Ethernet Controller I350-AM2, dual port GbE, PCIe v2.0 (co-lay with Intel® X540-BT2). MOQ required.]</li> <li>• Intel® Ethernet Controller I210-AT, single port GbE controller, PCIe v2.1, 2.5 GT/s, x1</li> <li>• Intel® Ethernet Network Connection I217-LM, single port GbE, 1Gbps</li> <li>• Realtek® RTL8201EL single port 10/100 Mbps Ethernet PHYceiver for dedicated BMC port</li> </ul>
	<b>Graphics</b>	<ul style="list-style-type: none"> <li>Aspeed AST2400 Advanced PCIe Graphics &amp; Remote Management Processor</li> <li>• PCIe VGA/2D Controller</li> <li>• 1920x1200@60Hz 32bpp</li> </ul>



TOP VIEW

AC 800W 1+1 redundant power supply 80+



3 x 8038mm easy swap fans

Power supply and Server board are included.

REAR VIEW

6 x PCIe 3.0 slots (low-profile)



FRONT VIEW

24 x 2.5" hot swap drive bays



<b>Rear I/O</b>	LAN	<ul style="list-style-type: none"> <li>• 2 x 10GbE RJ45 (or factory option: 2 x GbE)</li> <li>• 2 x additional GbE RJ45: optional in PCIe bracket area</li> <li>• 1 x GbE RJ45 dedicated to BMC management</li> </ul>
	USB	2 x USB 3.0 Type A
	VGA	1 x DB-15
	Serial Port	1 x DB-9
<b>Power Supply</b>	AC 800W 1+1 redundant high-efficiency power supply 80+ • 90-264VAC, 47-63 Hz	
<b>System Cooling</b>	3 x 80x38mm easy swap fans	
<b>System Management</b>	<ul style="list-style-type: none"> <li>• IPMI 2.0</li> <li>• KVM over IP</li> <li>• Media redirection</li> <li>• Temperature, fan, voltage, PSU sensor monitor</li> <li>• System temperature</li> <li>• System ID / System fail indicator</li> <li>• Remote power on/off/reset</li> <li>• SEL message alarm through mail</li> <li>• SNMP support</li> <li>• Intel NM</li> </ul>	

<b>Environmental Specifications</b>	<ul style="list-style-type: none"> <li>• Operating temperature : 0° - 35°C</li> <li>• System relative humidity : 5% - 95% non-condensing</li> </ul>	
<b>Gross Weight</b>	(w/ PSU & Rail)	kgs : 31
		lbs : 68.2
<b>Packaging Dimensions</b>	(W x D x H)	mm : 605 x 880 x 322
		inches : 23.8 x 34.7 x 12.7
<b>Mounting</b>	Standard	28" tool-less slide rail

# SB202-LB



## Features :

- 2U 12-Bay storage server
- Supports two Intel® Xeon® Processors E5-2600 v3/v4 product family
- With Intel® C612 Series Chipset to provide 5+ years product life cycle
- Onboard Baseboard Management Controller for system management and IPMI control
- Front-to-back airflow and hot swap redundant fans to provide optimal thermal conditions
- Two 10GbE RJ45 ports

## SPECIFICATIONS

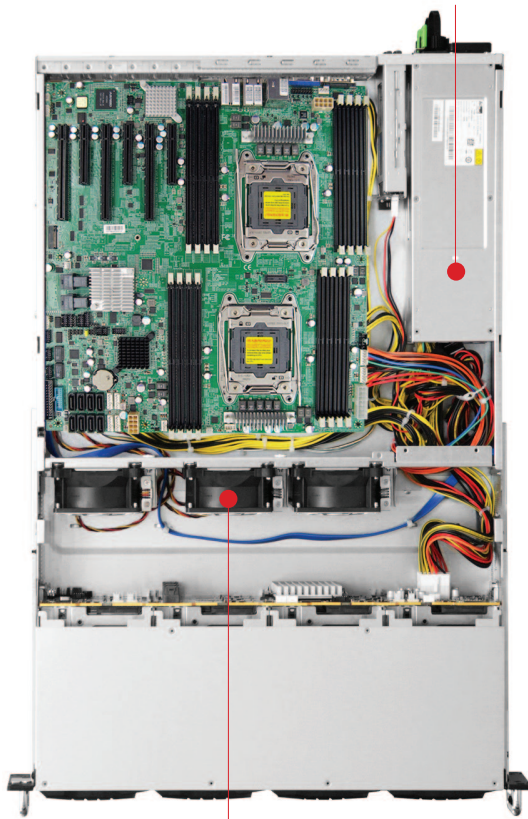
<b>Dimensions</b> (W x D x H)	mm : 430 x 680 x 88.2		
	inches : 17 x 26.8 x 3.5		
<b>Motherboard</b>	AIC Server Board Libra		
<b>Processor</b>	Processor Support	Two Intel® Xeon® Processors E5-2600 v3/v4 product family	
	QPI Speeds	9.6 GT/s, 8 GT/s, 7.2 GT/s	
	Socket Type	Socket R3 (FCLGA2011-3)	
<b>Chipset Support</b>	Intel® C612 Chipset		
<b>System Memory</b>	<ul style="list-style-type: none"> <li>• 16 DIMM slots across 8 memory channels (4 memory channels per CPU; 2DPC)</li> <li>- 512GB DDR4 2133/1866 RDIMM DRx4</li> <li>- 128GB DDR4 2133/1866 RDIMM SRx4</li> <li>- 1024GB DDR4 2133/1866 LRDIMM QRx4</li> <li>- 2048GB DDR4 2133/1866 LRDIMM 3DS 8Rx4</li> </ul>		
<b>Front Panel</b>	<ul style="list-style-type: none"> <li>• Power on/off</li> <li>• System reset</li> <li>• 1 x USB 3.0 Type A connector</li> </ul>		
<b>LEDs</b>	<ul style="list-style-type: none"> <li>• Power</li> <li>• Alert</li> <li>• LAN</li> <li>• Drive</li> </ul>		
<b>Drive Bays</b>	External	3.5" hot swap	12
		2.5" hot swap	Options : • 2 x 2.5" hot swap (rear) • 2 x 2.5" internal
	Internal	2.5"	
<b>Backplane</b>	Options	1 x 12-port 12Gb SAS backplane with 28-PHY expander chip and 3 SFF-8643 connectors	
		1 x 12-port 12Gb SAS backplane with 3 SFF-8643 connectors	
<b>Expansion Slots</b>	PCIe 3.0	2 x16 + 1 x16 (x8 mode) + 3 x8 (all LP)	

<b>System BIOS</b>	<b>BIOS Type</b>	<ul style="list-style-type: none"> <li>• Insyde UEFI BIOS</li> <li>• SPI (Serial Peripheral Interface) FLASH Interface</li> </ul>
	<b>BIOS Features</b>	<ul style="list-style-type: none"> <li>• ACPI</li> <li>• PXE</li> <li>• WOL</li> <li>• AC loss recovery</li> <li>• IPMI 2.0 KCS interface</li> <li>• SMBIOS</li> <li>• Serial console redirection</li> <li>• BIOS Boot Specification</li> <li>• BIOS Recovery Mode</li> <li>• SRIOV</li> <li>• iSCSI</li> <li>• TPM</li> <li>• PCIe NTB</li> </ul>
<b>On-board Devices</b>	<b>SATA</b>	<ul style="list-style-type: none"> <li>Built-in SATA controller with RAID support on Intel® C612 Chipset</li> <li>• 8x 7pin SATA connectors</li> <li>• 1x M.2 with SATA/PCIe X2 support</li> </ul>
	<b>IPMI</b>	<ul style="list-style-type: none"> <li>Aspeed AST2400 Advanced PCIe Graphics &amp; Remote Management Processor</li> <li>• Baseboard Management Controller</li> <li>• Intelligent Platform Interface 2.0 (IPMI 2.0)</li> <li>• iKVM, Media Redirection, IPMI over LAN, Serial over LAN</li> <li>• SMASH Support</li> </ul>
	<b>Network Controllers</b>	<ul style="list-style-type: none"> <li>• Intel® Ethernet Controller X540-BT2 dual port 10GbE, 10GBASE-T, PCIe v2.1, x8 [Or Intel® Ethernet Controller I350-AM2, dual port GbE, PCIe v2.0 (co-lay with Intel® X540-BT2). MOQ required.]</li> <li>• Intel® Ethernet Controller I210-AT, single port GbE controller, PCIe v2.1, 2.5 GT/s, x1</li> <li>• Intel® Ethernet Network Connection I217-LM, single port GbE, 1Gbps</li> <li>• Realtek® RTL8201EL single port 10/100 Mbps Ethernet PHYceiver for dedicated</li> </ul>
	<b>Graphics</b>	<ul style="list-style-type: none"> <li>Aspeed AST2400 Advanced PCIe Graphics &amp; Remote Management Processor</li> <li>• PCIe VGA/2D Controller</li> <li>• 1920x1200@60Hz 32bpp</li> </ul>



TOP VIEW

800W 1+1 redundant power supply 80+ Platinum



3 x 8038mm hot swap fans

Power supply and Server board are included.

REAR VIEW

Supports up to 6 x PCIe 3.0 slots



FRONT VIEW

12 x 3.5" hot swap drive bays



<b>Rear I/O</b>	LAN	<ul style="list-style-type: none"> <li>• 2 x 10GbE RJ45 (or factory option: 2 x GbE)</li> <li>• 2 x additional GbE RJ45: optional in PCIe bracket area</li> <li>• 1 x GbE RJ45 dedicated to BMC management</li> </ul>
	USB	2 x USB 3.0 Type A
	VGA	1 x DB-15
	Serial Port	1 x DB-9
<b>Power Supply</b>	800W 1+1 redundant power supply 80+ Platinum • 100-240VAC, 47-63 Hz	
<b>System Cooling</b>	3 x 80x38 PWM & low power hot swap fans	
<b>System Management</b>	<ul style="list-style-type: none"> <li>• IPMI 2.0</li> <li>• KVM over IP</li> <li>• Media redirection</li> <li>• Temperature, fan, voltage, PSU sensor monitor</li> <li>• System temperature</li> <li>• System ID / System fail indicator</li> <li>• Remote power on/off/reset</li> <li>• SEL message alarm through mail</li> <li>• SNMP support</li> <li>• Intel NM</li> </ul>	

<b>Environmental Specifications</b>	<ul style="list-style-type: none"> <li>• Operating temperature : 0° - 35°C</li> <li>• System relative humidity : 5% - 95% non-condensing</li> </ul>	
<b>Gross Weight</b>	(w/ PSU & Rail)	kgs : 32
		lbs : 70.4
<b>Packaging Dimensions</b>	(W x D x H)	mm : 605 x 920 x 322
		inches : 23.8 x 36.2 x 12.7
<b>Mounting</b>	Standard	28" tool-less slide rail

12G SAS JBOD

NVMe JBOD

General Purpose Server Solution

High Availability Server Solution

Storage Server Solution

Flash Barebone Server Solution

Telco Appliance Server Solution

Server Board

Rackmount Chassis

Modular Chassis

Rackmount Storage Chassis

# SB202-LE



## Features :

- 2U 12-Bay short storage server
- Supports Intel Xeon processor E3-1200 v5/v6 product family
- With Intel® C232 series Chipset
- Onboard Baseboard Management Controller for system management and IPMI control
- Front-to-back airflow and hot swap redundant fans to provide optimal thermal conditions
- Two GbE RJ45 ports plus dedicated BMC management port
- Customizable to meet OEM/ODM requirements

## SPECIFICATIONS

<b>Dimensions</b> (W x D x H)	mm : 430 x 558.7 x 88.2		
	inches : 17 x 22 x 3.5		
<b>Motherboard</b>	AIC Server Board Lepus		
<b>Processor</b>	Processor Support	Intel® Xeon® Processors E3-1200 v5/v6 product family / 7th/6th Gen. Intel® Core™i3 Processors / Intel® Celeron® and Intel® Pentium®	
	Socket Type	LGA1151	
<b>Chipset Support</b>	Intel® C232 PCH		
<b>System Memory</b>	<ul style="list-style-type: none"> <li>• DDR4 2133-2400 ECC UDIMM</li> <li>• 4 DIMM slots ; 2 Channels ; Up to 64G</li> </ul>		
<b>Front Panel</b>	<ul style="list-style-type: none"> <li>• Power on/off</li> <li>• System reset</li> <li>• System ID</li> <li>• 1 x USB 3.0 Type A connector</li> </ul>		
<b>LEDs</b>	<ul style="list-style-type: none"> <li>• Power status</li> <li>• System alert</li> <li>• LAN active</li> <li>• Drive active</li> <li>• System ID</li> </ul>		
<b>Drive Bays</b>	External	3.5" hot swap	12
		2.5" hot swap	2
<b>Backplane</b>	<ul style="list-style-type: none"> <li>• 1 x 12-port 12G SAS backplane with 28-PHY expander chip and 3 SFF-8643 connectors</li> <li>• 1 x 12-port 12G SAS backplane with 3 SFF-8643 connectors (BTO)</li> </ul>		

<b>Expansion Slots</b>	PCIe 3.0	<ul style="list-style-type: none"> <li>• 1 x PCIe Gen3 x16 (x8 mode)</li> <li>• 2 x PCIe Gen2 x1</li> </ul>
<b>System BIOS</b>	BIOS Type	AMI / 16MB
	BIOS Features	<ul style="list-style-type: none"> <li>• Hardware Monitor</li> <li>• Console Redirection</li> <li>• ACPI 5.0</li> <li>• SMBIOS 3.0</li> <li>• PnP</li> <li>• Wake on LAN</li> <li>• ACPI sleeping states S3,S4,S5</li> <li>• Boot from USB device</li> <li>• PXE via LAN/Storage</li> <li>• User Configurable FAN PWM Duty Cycle</li> </ul>
<b>On-board Devices</b>	SATA	<ul style="list-style-type: none"> <li>• Intel C232</li> <li>• 6* SATA 6.0 Gb/s</li> <li>• RAID 0/1/10/5 (Intel RSTe)</li> </ul>
	IPMI	<ul style="list-style-type: none"> <li>• Aspeed AST2400 Advanced PCIe Graphics &amp; Remote Management Processor</li> <li>• Baseboard Management Controller</li> <li>• Intelligent Platform Interface 2.0 (IPMI 2.0)</li> <li>• iKVM, Media Redirection, IPMI over LAN, Serial over LAN</li> <li>• SMASH Support</li> </ul>
	Network Controllers	<ul style="list-style-type: none"> <li>• 2 x Intel® i210 GbE LAN Controller</li> <li>• Broadcom BCM5221 PHY for BMC dedicated management port</li> </ul>
	Graphics	<ul style="list-style-type: none"> <li>• Aspeed AST2400</li> <li>• D-Sub 15-pin</li> <li>• Up to 1920x1200@60Hz 32bpp</li> </ul>



TOP VIEW

550W 1+1 redundant power supply 80+ Platinum



Power supply and Server board are included.

REAR VIEW

2 x 10GbE RJ45



FRONT VIEW

12 x 3.5" hot swap drive bays



<b>Rear I/O</b>	LAN	2 x GbE RJ45 ports 1 x dedicated RJ45 for IPMI
	USB	4 x USB 3.0 ports (Type-A)
	VGA	1 x D-Sub 15-pin VGA port
	Serial Port	1 x external DB-9 COM port
<b>Power Supply</b>	550W 1+1 redundant power supply 80+ Platinum	
<b>System Cooling</b>	3 x 80x38mm PWM & low-power consumption hot swap fans	
<b>System Management</b>	<ul style="list-style-type: none"> <li>• PMI 2.0 compliant baseboard management controller (BMC) / Supports storage over IP and remote platform-flash / USB 2.0 virtual hub</li> <li>• 24-bit high quality video compression / 10/100 Mb/s MAC interface</li> </ul>	

<b>Environmental Specifications</b>	<ul style="list-style-type: none"> <li>• Operating temperature : 0° - 35°C</li> <li>• System relative humidity : 5% - 95% (38°C) non-condensing</li> </ul>	
<b>Gross Weight</b>	(w/ PSU & Rail)	kgs : 23.1
		lbs : 50.9
<b>Packaging Dimensions</b>	(W x D x H)	mm : 605 x 862 x 318
		inches : 23.8 x 33.9 x 12.5
<b>Mounting</b>	Standard	28" tool-less slide rail

# SB212-PH



## Features :

- 2U 12-Bay 3.5" HDD/SSD storage server
- Supports two Intel® Xeon® Processors E5-2600 v3/v4 product family
- With Intel® C612 Series Chipset to provide 5+ years product life cycle
- Highly dense I/O design with MAX I/O™ technology, utilizing 64 lanes of PCIe 3.0 to support up to 8 COTS PCIe add-in cards
- Onboard Baseboard Management Controller for system management and IPMI control
- Front-to-back airflow and hot swap redundant fans to provide optimal thermal conditions
- Two 10GbE SFP+ ports

## SPECIFICATIONS

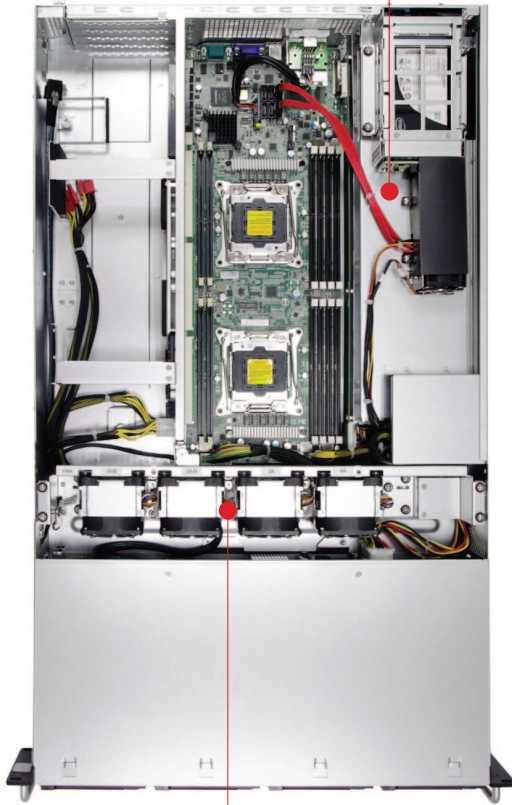
<b>Dimensions</b> (W x D x H)	mm : 438 x 750 x 88		
	inches : 17.2 x 29.5 x 3.5		
<b>Motherboard</b>	AIC Server Board Phoenix		
<b>Processor</b>	Processor Support	Two Intel® Xeon® Processors E5-2600 v3/v4 product family	
	QPI Speeds	9.6 GT/s, 8 GT/s, 7.2 GT/s	
	Socket Type	Socket R3 (FCLGA2011-3)	
<b>Chipset Support</b>	Intel® C612 Chipset		
<b>System Memory</b>	• 12 DIMM slots across 8 memory channels (4 memory channels per CPU; 2 channels with 2DPC and 2 channels with 1DPC)		
	- 384GB DDR4 2133/1866 RDIMM DRx4		
	- 96GB DDR4 2133/1866 RDIMM SRx4		
	- 768GB DDR4 2133/1866 LRDIMM QRx4		
- 1536GB DDR4 2133/1866 LRDIMM 3DS 8Rx4			
<b>Front Panel</b>	• Power on/off	• System ID	• System reset
<b>LEDs</b>	• Power	• System ID	• Alert
<b>Drive Bays</b>	External	3.5" hot swap	12
		2.5" hot swap	2
<b>Backplane</b>	Options	1 x 12-port 12Gb SAS backplane with 28-PHY expander chip and 3 SFF-8643 connectors	
		1 x 12-port 12Gb SAS backplane with 3 SFF-8643 connectors	
<b>Expansion Slots</b>	PCIe 3.0	Config 1 : 2 x16 + 4 x8 (2 external and 2 internal)	
		Config 2 : 8 x8 (6 external and 2 internal) Config 3 : 6 x8 (external) + 4 NVMe U.2  (Or other combinations utilizing up to 64 lanes and fewer than 8 slots)	

<b>Riser Card</b> (included)	PSG-RC-TO2U-80-110 (PSG Code: PE2U20)	Gold-finger PCIe Gen3 x16 to 8 PCIe Gen3 x8 riser													
<b>System BIOS</b>	BIOS Type	• Insyde UEFI BIOS • SPI (Serial Peripheral Interface) FLASH Interface													
	BIOS Features	<table border="0"> <tr> <td>• ACPI</td> <td>• BIOS Boot Specification</td> </tr> <tr> <td>• PXE</td> <td>• BIOS Recovery Mode</td> </tr> <tr> <td>• WOL</td> <td>• SRIOV</td> </tr> <tr> <td>• AC loss recovery</td> <td>• PCIe Hotplug</td> </tr> <tr> <td>• IPMI 2.0 KCS interface</td> <td>• iSCSI</td> </tr> <tr> <td>• SMBIOS</td> <td>• TPM</td> </tr> <tr> <td>• Serial console redirection</td> <td>• PCIe NTB</td> </tr> </table>	• ACPI	• BIOS Boot Specification	• PXE	• BIOS Recovery Mode	• WOL	• SRIOV	• AC loss recovery	• PCIe Hotplug	• IPMI 2.0 KCS interface	• iSCSI	• SMBIOS	• TPM	• Serial console redirection
• ACPI	• BIOS Boot Specification														
• PXE	• BIOS Recovery Mode														
• WOL	• SRIOV														
• AC loss recovery	• PCIe Hotplug														
• IPMI 2.0 KCS interface	• iSCSI														
• SMBIOS	• TPM														
• Serial console redirection	• PCIe NTB														
<b>On-board Devices</b>	SATA	Built-in SATA controller on Intel® C612 Chipset with software RAID support													
	IPMI	Aspeed AST2400 Advanced PCIe Graphics & Remote Management Processor • Baseboard Management Controller • Intelligent Platform Interface 2.0 (IPMI 2.0) • iKVM, Media Redirection, IPMI over LAN, Serial over LAN • SMASH Support													
<b>On-board Devices</b>	Network Controllers	• Intel® 82599ES 10GbE Controller, dual port, SFP+, PCIe v2.0 (5.0GT/s optional) • Intel® Ethernet Controller I210-AT, single port GbE controller, PCIe v2.1, 2.5 GT/s, x1 • Intel® Ethernet Network Connection I217-LM, single port GbE, 1 Gbps													
	Graphics	Aspeed AST2400 Advanced PCIe Graphics & Remote Management Processor • PCIe VGA/2D Controller • 1920x1200@60Hz 32bpp													



TOP VIEW

AC 800W 1+1 redundant power supply 80+



4 x 8038mm easy swap fans

Power supply and Server board are included.

REAR VIEW

6 x PCIe 3.0 slots  
(4 x external + 2 x internal)



FRONT VIEW

12 x 3.5" hot swap drive bays



<b>Rear I/O</b>	LAN	2 x 10GbE SFP+ 2 x RJ45
	USB	2 x USB 3.0 Type A
	VGA	1 x DB-15
	Serial Port	1 x DB-9
<b>Power Supply</b>	AC 800W 1+1 redundant high-efficiency power supply 80+ • 90-264VAC, 47-63 Hz	
<b>System Cooling</b>	4 x 80x38mm easy swap fans	
<b>System Management</b>	<ul style="list-style-type: none"> <li>• IPMI 2.0</li> <li>• KVM over IP</li> <li>• Media redirection</li> <li>• Temperature, fan, voltage, PSU sensor monitor</li> <li>• System temperature</li> <li>• System ID / System fail indicator</li> <li>• Remote power on/off/reset</li> <li>• SEL message alarm through mail</li> <li>• SNMP support</li> <li>• Intel NM</li> </ul>	

<b>Environmental Specifications</b>	<ul style="list-style-type: none"> <li>• Operating temperature : 0° - 35°C</li> <li>• System relative humidity : 5% - 95% non-condensing</li> </ul>	
<b>Gross Weight</b>	(w/ PSU & Rail)	kgs : 31.5
		lbs : 69.3
<b>Packaging Dimensions</b>	(W x D x H)	mm : 591 x 973 x 318
		inches : 23.3 x 38.3 x 12.5
<b>Mounting</b>	Standard	28" tool-less slide rail

12G SAS JBOD

NVMe JBOD

General Purpose Server Solution

High Availability Server Solution

Storage Server Solution

Flash Barebone Server Solution

Telco Appliance Server Solution

Server Board

Rackmount Chassis

Modular Chassis

Rackmount Storage Chassis

# SB302-LB



## Features :

- 3U 16-Bay storage server
- Supports two Intel® Xeon® Processors E5-2600 v3/v4 product family
- With Intel® C612 Series Chipset to provide 5+ years product life cycle
- Onboard Baseboard Management Controller for system management and IPMI control
- Front-to-back airflow and hot swap redundant fans to provide optimal thermal conditions
- Two 10GbE RJ45 ports

## SPECIFICATIONS

<b>Dimensions</b> (W x D x H)	mm : 430 x 680 x 132.8		
	inches : 17 x 26.8 x 5.2		
<b>Motherboard</b>	AIC Server Board Libra		
<b>Processor</b>	Processor Support	Two Intel® Xeon® Processors E5-2600 v3/v4 product family	
	QPI Speeds	9.6 GT/s, 8 GT/s, 7.2 GT/s	
	Socket Type	Socket R3 (FCLGA2011-3)	
<b>Chipset Support</b>	Intel® C612 Chipset		
<b>System Memory</b>	<ul style="list-style-type: none"> <li>• 16 DIMM slots across 8 memory channels (4 memory channels per CPU; 2DPC)</li> <li>- 512GB DDR4 2133/1866 RDIMM DRx4</li> <li>- 128GB DDR4 2133/1866 RDIMM SRx4</li> <li>- 1024GB DDR4 2133/1866 LRDIMM QRx4</li> <li>- 2048GB DDR4 2133/1866 LRDIMM 3DS 8Rx4</li> </ul>		
<b>Front Panel</b>	<ul style="list-style-type: none"> <li>• Power on/off</li> <li>• System ID</li> <li>• System reset</li> <li>• NMI button</li> <li>• 2 x USB</li> </ul>		
<b>LEDs</b>	<ul style="list-style-type: none"> <li>• Power</li> <li>• System ID</li> <li>• Alert</li> <li>• LAN</li> <li>• Drive</li> </ul>		
<b>Drive Bays</b>	External	3.5" hot swap	16
		2.5" hot swap	Options : • 2 x 2.5" hot swap • 2 x 2.5" internal
	Internal	2.5"	
<b>Backplane</b>	Options	1 x 16-port 12Gb SAS backplane with 28-PHY expander chip and 3 SFF-8643 connectors	
		1 x 16-port 12Gb SAS backplane with 4 SFF-8643 connectors	

<b>Expansion Slots</b>	PCIe 3.0	2 x16 + 1 x16 (x8 mode) + 3 x8
<b>System BIOS</b>	BIOS Type	<ul style="list-style-type: none"> <li>• Insyde UEFI BIOS</li> <li>• SPI (Serial Peripheral Interface) FLASH Interface</li> </ul>
	BIOS Features	<ul style="list-style-type: none"> <li>• ACPI</li> <li>• PXE</li> <li>• WOL</li> <li>• AC loss recovery</li> <li>• IPMI 2.0 KCS interface</li> <li>• SMBIOS</li> <li>• Serial console redirection</li> <li>• BIOS Boot Specification</li> <li>• BIOS Recovery Mode</li> <li>• SRIOV</li> <li>• iSCSI</li> <li>• TPM</li> <li>• PCIe NTB</li> </ul>
<b>On-board Devices</b>	SATA	Built-in SATA controller with RAID support on Intel® C612 Chipset
	IPMI	<ul style="list-style-type: none"> <li>• Aspeed AST2400 Advanced PCIe Graphics &amp; Remote Management Processor</li> <li>• Baseboard Management Controller</li> <li>• Intelligent Platform Interface 2.0 (IPMI 2.0)</li> <li>• iKVM, Media Redirection, IPMI over LAN, Serial over LAN</li> <li>• SMASH Support</li> </ul>
	Network Controllers	<ul style="list-style-type: none"> <li>• Intel® Ethernet Controller X540-BT2 dual port 10GbE, 10GBASE-T, PCIe v2.1, x8 [Or Intel® Ethernet Controller I350-AM2, dual port GbE, PCIe v2.0 (co-lay with Intel® X540-BT2). MOQ required.]</li> <li>• Intel® Ethernet Controller I210-AT, single port GbE controller, PCIe v2.1, 2.5 GT/s, x1</li> <li>• Intel® Ethernet Network Connection I217-LM, single port GbE, 1Gbps</li> <li>• Realtek® RTL8201EL single port 10/100 Mbps Ethernet PHYceiver for dedicated BMC port</li> </ul>
	Graphics	<ul style="list-style-type: none"> <li>• Aspeed AST2400 Advanced PCIe Graphics &amp; Remote Management Processor</li> <li>• PCIe VGA/2D Controller</li> <li>• 1920x1200@60Hz 32bpp</li> </ul>



TOP VIEW

800W 1+1 redundant PSU 80+ Gold



3 x 8038 PWM & low power hot swap fans

*Power supply and Server board are included.*

REAR VIEW

Supports up to 6 x PCIe 3.0 slots



2 x 10GbE RJ45 ports

FRONT VIEW

16 x 3.5" hot swap drive bays



<b>Rear I/O</b>	LAN	<ul style="list-style-type: none"> <li>• 2 x 10GbE RJ45 (or factory option: 2 x GbE)</li> <li>• 2 x additional GbE RJ45: optional in PCIe bracket area</li> <li>• 1 x GbE RJ45 dedicated to BMC management</li> </ul>
	USB	2 x USB 3.0 Type A
	VGA	1 x DB-15
	Serial Port	1 x DB-9
<b>Power Supply</b>	800W 1+1 redundant PSU 80+ Gold	
<b>System Cooling</b>	3 x 80x38 PWM & low power hot swap fans	
<b>System Management</b>	<ul style="list-style-type: none"> <li>• IPMI 2.0</li> <li>• KVM over IP</li> <li>• Media redirection</li> <li>• Temperature, fan, voltage, PSU sensor monitor</li> <li>• System temperature</li> <li>• System ID / System fail indicator</li> <li>• Remote power on/off/reset</li> <li>• SEL message alarm through mail</li> <li>• SNMP support</li> <li>• Intel NM</li> </ul>	

<b>Environmental Specifications</b>	<ul style="list-style-type: none"> <li>• Operating temperature : 0° - 35°C</li> <li>• System relative humidity : 5% - 95% non-condensing</li> </ul>	
<b>Gross Weight</b>	(w/ PSU & Rail)	kgs : 32
		lbs : 70.4
<b>Packaging Dimensions</b>	(W x D x H)	mm : 605 x 920 x 366
		inches : 23.8 x 36.2 x 14.4
<b>Mounting</b>	Standard	28" tool-less slide rail

12G SAS JBOD

NVMe JBOD

General Purpose Server Solution

High Availability Server Solution

Storage Server Solution

Flash Barebone Server Solution

Telco Appliance Server Solution

Server Board

Rackmount Chassis

Modular Chassis

Rackmount Storage Chassis

# SB303-LB



## Features :

- High density 3U 32-Bay object storage server
- Supports two Intel® Xeon® Processors E5-2600 v3/v4 product family
- With Intel® C612 Series Chipset to provide 5+ years product life cycle
- Onboard Baseboard Management Controller for system management and IPMI control
- Front-to-back airflow and hot swap redundant fans to provide optimal thermal conditions
- Two 10GbE RJ45 ports

## SPECIFICATIONS

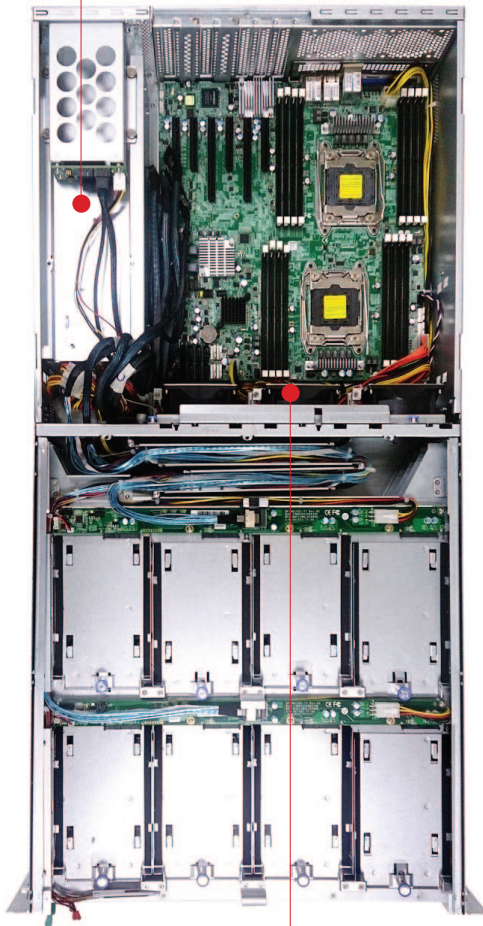
<b>Dimensions</b> (W x D x H)	mm : 438 x 900 x 132.6		
	inches : 17.2 x 35.4 x 5.2		
<b>Motherboard</b>	AIC Server Board Libra		
<b>Processor</b>	Processor Support	Two Intel® Xeon® Processors E5-2600 v3/v4 product family	
	QPI Speeds	9.6 GT/s, 8 GT/s, 7.2 GT/s	
	Socket Type	Socket R3 (FCLGA2011-3)	
<b>Chipset Support</b>	Intel® C612 Chipset		
<b>System Memory</b>	<ul style="list-style-type: none"> <li>• 16 DIMM slots across 8 memory channels (4 memory channels per CPU; 2DPC)</li> <li>• 512GB DDR4 2133/1866 RDIMM DRx4</li> <li>• 128GB DDR4 2133/1866 RDIMM SRx4</li> <li>• 1024GB DDR4 2133/1866 LRDIMM QRx4</li> <li>• 2048GB DDR4 2133/1866 LRDIMM 3DS 8Rx4</li> </ul>		
<b>Front Panel</b>	<ul style="list-style-type: none"> <li>• Power on/off</li> <li>• System reset</li> </ul>		
<b>LEDs</b>	<ul style="list-style-type: none"> <li>• Power</li> <li>• Alert</li> <li>• LAN</li> </ul>		
<b>Drive Bays</b>	Internal	3.5" hot swap	32
	External	2.5" hot swap	2
<b>Backplanes</b>	8 x 4-port 12Gb SAS backplanes with single SFF-8643 connector on each		
<b>Expansion Slots</b>	PCIe 3.0	2 x16 + 1 x16 (x8 mode) + 3 x8	
<b>Expander Board</b>	48-port 12G expander board with 10 SFF-8643 to IOC and drives + 2 SFF-8644 for external JBOD connection		

<b>System BIOS</b>	<b>BIOS Type</b>	<ul style="list-style-type: none"> <li>• Insyde UEFI BIOS</li> <li>• SPI (Serial Peripheral Interface) FLASH Interface</li> </ul>
	<b>BIOS Features</b>	<ul style="list-style-type: none"> <li>• ACPI</li> <li>• PXE</li> <li>• WOL</li> <li>• AC loss recovery</li> <li>• IPMI 2.0 KCS interface</li> <li>• SMBIOS</li> <li>• Serial console redirection</li> <li>• BIOS Boot Specification</li> <li>• BIOS Recovery Mode</li> <li>• SRIOV</li> <li>• iSCSI</li> <li>• TPM</li> <li>• PCIe NTB</li> </ul>
<b>On-board Devices</b>	<b>SATA</b>	Built-in SATA controller with RAID support on Intel® C612 Chipset
	<b>IPMI</b>	<ul style="list-style-type: none"> <li>• Aspeed AST2400 Advanced PCIe Graphics &amp; Remote Management Processor</li> <li>• Baseboard Management Controller</li> <li>• Intelligent Platform Interface 2.0 (IPMI 2.0)</li> <li>• iKVM, Media Redirection, IPMI over LAN, Serial over LAN</li> <li>• SMASH Support</li> </ul>
	<b>Network Controllers</b>	<ul style="list-style-type: none"> <li>• Intel® Ethernet Controller X540-BT2 dual port 10GbE, 10GBASE-T, PCIe v2.1, x8 [Or Intel® Ethernet Controller I350-AM2, dual port GbE, PCIe v2.0 (co-lay with Intel® X540-BT2). MOQ required.]</li> <li>• Intel® Ethernet Controller I210-AT, single port GbE controller, PCIe v2.1, 2.5 GT/s, x1</li> <li>• Intel® Ethernet Network Connection I217-LM, single port GbE, 1Gbps</li> <li>• Realtek® RTL8201EL single port 10/100 Mbps Ethernet PHYceiver for dedicated BMC port</li> </ul>
	<b>Graphics</b>	<ul style="list-style-type: none"> <li>• Aspeed AST2400 Advanced PCIe Graphics &amp; Remote Management Processor</li> <li>• PCIe VGA/2D Controller</li> <li>• 1920x1200@60Hz 32bpp</li> </ul>



TOP VIEW

1200W 1+1 redundant 80+ Gold



3 x 8038 PWM hot swap fans

Power supply and Server board are included.

REAR VIEW

2 x 2.5" drive bays



Supports up to 6 x PCIe 3.0 slots

FRONT VIEW

4 drawers, each loads 8 x 3.5" drives



<b>Rear I/O</b>	LAN	<ul style="list-style-type: none"> <li>• 2 x 10GbE RJ45 (or factory option: 2 x GbE)</li> <li>• 2 x additional GbE RJ45: optional in PCIe bracket area</li> <li>• 1 x GbE RJ45 dedicated to BMC management</li> </ul>
	USB	2 x USB 3.0 Type A
	VGA	1 x DB-15
	Serial Port	1 x DB-9
<b>Power Supply</b>	1200W 1+1 redundant 80+ Gold	
<b>System Cooling</b>	3 x 80x38 PWM hot swap fans	
<b>System Management</b>	<ul style="list-style-type: none"> <li>• IPMI 2.0</li> <li>• KVM over IP</li> <li>• Media redirection</li> <li>• Temperature, fan, voltage, PSU sensor monitor</li> <li>• System temperature</li> <li>• System ID / System fail indicator</li> <li>• Remote power on/off/reset</li> <li>• SEL message alarm through mail</li> <li>• SNMP support</li> <li>• Intel NM</li> </ul>	

<b>Environmental Specifications</b>	<ul style="list-style-type: none"> <li>• Operating temperature : 0° - 35°C</li> <li>• System relative humidity : 5% - 95% non-condensing</li> </ul>	
	<b>Gross Weight</b>	(w/ PSU & Rail)
<b>Packaging Dimensions</b>	(W x D x H)	mm : 1170 x 600 x 358
		inches : 46 x 23.6 x 14.1
<b>Mounting</b>	Standard	25" tool-less slide rail

12G SAS JBOD

NVMe JBOD

General Purpose Server Solution

High Availability Server Solution

Storage Server Solution

Flash Barebone Server Solution

Telco Appliance Server Solution

Server Board

Rackmount Chassis

Modular Chassis

Rackmount Storage Chassis



# SB401-LB



## Features :

- 4U 24-Bay storage server
- Supports two Intel® Xeon® Processors E5-2600 v3/v4 product family
- With Intel® C612 Series Chipset to provide 5+ years product life cycle
- 6 x PCIe 3.0 slots
- Onboard Baseboard Management Controller for system management and IPMI control
- Front-to-back airflow and hot swap redundant fans to provide optimal thermal conditions
- Two 10GbE RJ45 ports

## SPECIFICATIONS

<b>Dimensions</b> (W x D x H)	mm : 430 x 680 x 174.3		
	inches : 17 x 26.8 x 6.9		
<b>Motherboard</b>	AIC Server Board Libra		
<b>Processor</b>	Processor Support	Two Intel® Xeon® Processors E5-2600 v3/v4 product family	
	QPI Speeds	9.6 GT/s, 8 GT/s, 7.2 GT/s	
	Socket Type	Socket R3 (FCLGA2011-3)	
<b>Chipset Support</b>	Intel® C612 Chipset		
<b>System Memory</b>	<ul style="list-style-type: none"> <li>• 16 DIMM slots across 8 memory channels (4 memory channels per CPU; 2DPC)</li> <li>- 512GB DDR4 2133/1866 RDIMM DRx4</li> <li>- 128GB DDR4 2133/1866 RDIMM SRx4</li> <li>- 1024GB DDR4 2133/1866 LRDIMM QRx4</li> <li>- 2048GB DDR4 2133/1866 LRDIMM 3DS 8Rx4</li> </ul>		
<b>Front Panel</b>	<ul style="list-style-type: none"> <li>• Power on/off</li> <li>• System ID</li> <li>• System reset</li> <li>• NMI button</li> <li>• 2 x USB</li> </ul>		
<b>LEDs</b>	<ul style="list-style-type: none"> <li>• Power</li> <li>• System ID</li> <li>• Alert</li> <li>• LAN</li> <li>• Drive</li> </ul>		
<b>Drive Bays</b>	External	3.5" hot swap	24
		2.5" hot swap	Options : • 2 x 2.5" hot swap • 2 x 2.5" internal
	Internal	2.5"	
<b>Backplane</b>	Option	1 x 24-port 12Gb SAS backplane with 36-PHY expander chip and 3 SFF-8643 connectors	
		1 x 24-port 12Gb SAS backplane with 6 SFF-8643 connectors	

<b>Expansion Slots</b>	PCIe 3.0	2 x16 + 1 x16 (x8 mode) + 3 x8
<b>System BIOS</b>	BIOS Type	<ul style="list-style-type: none"> <li>• Insyde UEFI BIOS</li> <li>• SPI (Serial Peripheral Interface) FLASH Interface</li> </ul>
	BIOS Features	<ul style="list-style-type: none"> <li>• ACPI</li> <li>• PXE</li> <li>• WOL</li> <li>• AC loss recovery</li> <li>• IPMI 2.0 KCS interface</li> <li>• SMBIOS</li> <li>• Serial console redirection</li> <li>• BIOS Boot Specification</li> <li>• BIOS Recovery Mode</li> <li>• SRIOV</li> <li>• iSCSI</li> <li>• TPM</li> <li>• PCIe NTB</li> </ul>
<b>On-board Devices</b>	SATA	Built-in SATA controller with RAID support on Intel® C612 Chipset
	IPMI	<ul style="list-style-type: none"> <li>• Aspeed AST2400 Advanced PCIe Graphics &amp; Remote Management Processor</li> <li>• Baseboard Management Controller</li> <li>• Intelligent Platform Interface 2.0 (IPMI 2.0)</li> <li>• iKVM, Media Redirection, IPMI over LAN, Serial over LAN</li> <li>• SMASH Support</li> </ul>
	Network Controllers	<ul style="list-style-type: none"> <li>• Intel® Ethernet Controller X540-BT2 dual port 10GbE, 10GBASE-T, PCIe v2.1, x8 [Or Intel® Ethernet Controller I350-AM2, dual port GbE, PCIe v2.0 (co-lay with Intel® X540-BT2). MOQ required.]</li> <li>• Intel® Ethernet Controller I210-AT, single port GbE controller, PCIe v2.1, 2.5 GT/s, x1</li> <li>• Intel® Ethernet Network Connection I217-LM, single port GbE, 1Gbps</li> <li>• Realtek® RTL8201EL single port 10/100 Mbps Ethernet PHYceiver for dedicated BMC port</li> </ul>
	Graphics	<ul style="list-style-type: none"> <li>• Aspeed AST2400 Advanced PCIe Graphics &amp; Remote Management Processor</li> <li>• PCIe VGA/2D Controller</li> <li>• 1920x1200@60Hz 32bpp</li> </ul>





TOP VIEW

1200W 1+1 redundant PSU 80+ Gold



3 x 12025 PWM hot swap fans

Power supply and Server board are included.

REAR VIEW

Supports up to 6 x PCIe 3.0 slots



2 x 10GbE RJ45 ports

FRONT VIEW

24 x 3.5" hot swap drive bays



<b>Rear I/O</b>	LAN	<ul style="list-style-type: none"> <li>• 2 x 10GbE RJ45 (or factory option: 2 x GbE)</li> <li>• 2 x additional GbE RJ45: optional in PCIe bracket area</li> <li>• 1 x GbE RJ45 dedicated to BMC management</li> </ul>
	USB	2 x USB 3.0 Type A
	VGA	1 x DB-15
	Serial Port	1 x DB-9
<b>Power Supply</b>	1200W 1+1 redundant PSU 80+ Gold	
<b>System Cooling</b>	3 x 120x25 PWM hot swap fans	
<b>System Management</b>	<ul style="list-style-type: none"> <li>• IPMI 2.0</li> <li>• KVM over IP</li> <li>• Media redirection</li> <li>• Temperature, fan, voltage, PSU sensor monitor</li> <li>• System temperature</li> <li>• System ID / System fail indicator</li> <li>• Remote power on/off/reset</li> <li>• SEL message alarm through mail</li> <li>• SNMP support</li> <li>• Intel NM</li> </ul>	

<b>Environmental Specifications</b>	<ul style="list-style-type: none"> <li>• Operating temperature : 0° - 35°C</li> <li>• System relative humidity : 5% - 95% non-condensing</li> </ul>	
<b>Gross Weight</b>	(w/ PSU & Rail)	kgs : 35
		lbs : 77
<b>Packaging Dimensions</b>	(W x D x H)	mm : 605 x 920 x 406
		inches : 23.8 x 36.2 x 16
<b>Mounting</b>	Standard	28" tool-less slide rail

12G SAS JBOD

NVMe JBOD

General Purpose Server Solution

High Availability Server Solution

Storage Server Solution

Flash Barebone Server Solution

Telco Appliance Server Solution

Server Board

Rackmount Chassis

Modular Chassis

Rackmount Storage Chassis

# SB402-LB



## Features :

- 4U 36-Bay storage server
- Supports two Intel® Xeon® Processors E5-2600 v3/v4 product family
- With Intel® C612 Series Chipset to provide 5+ years product life cycle
- 6 x PCIe 3.0 slots
- Onboard Baseboard Management Controller for system management and IPMI control
- Front-to-back airflow and hot swap redundant fans to provide optimal thermal conditions
- Two 10GbE RJ45 ports

## SPECIFICATIONS

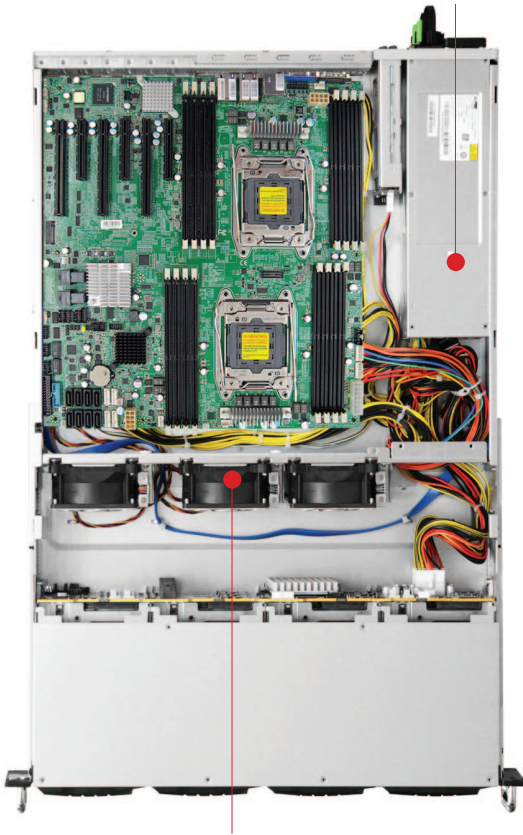
<b>Dimensions</b> (W x D x H)	mm : 432.4 x 680 x 174.3		
	inches : 17 x 26.8 x 6.9		
<b>Motherboard</b>	AIC Server Board Libra		
<b>Processor</b>	Processor Support	Two Intel® Xeon® Processors E5-2600 v3/v4 product family	
	QPI Speeds	9.6 GT/s, 8 GT/s, 7.2 GT/s	
	Socket Type	Socket R3 (FCLGA2011-3)	
<b>Chipset Support</b>	Intel® C612 Chipset		
<b>System Memory</b>	<ul style="list-style-type: none"> <li>• 16 DIMM slots across 8 memory channels (4 memory channels per CPU; 2DPC)</li> <li>- 512GB DDR4 2133/1866 RDIMM DRx4</li> <li>- 128GB DDR4 2133/1866 RDIMM SRx4</li> <li>- 1024GB DDR4 2133/1866 LRDIMM QRx4</li> <li>- 2048GB DDR4 2133/1866 LRDIMM 3DS 8Rx4</li> </ul>		
<b>Front Panel</b>	<ul style="list-style-type: none"> <li>• Power on/off</li> <li>• System reset</li> <li>• 2 x USB 3.0 Type A connectors</li> </ul>		
<b>LEDs</b>	<ul style="list-style-type: none"> <li>• Power</li> <li>• Alert</li> <li>• LAN</li> <li>• Drive</li> </ul>		
<b>Drive Bays</b>	External	3.5" hot swap	36
	Internal	2.5"	2
<b>Backplane</b>	1 x 24 port 12Gb SAS backplane with 36-PHY expander and 3 SFF-8643 connectors		
<b>Expansion Slots</b>	PCIe 3.0	2 x16 + 1 x16 (x8 mode) + 3 x8 (all LP)	

<b>System BIOS</b>	<b>BIOS Type</b>	<ul style="list-style-type: none"> <li>• Insyde UEFI BIOS</li> <li>• SPI (Serial Peripheral Interface) FLASH Interface</li> </ul>
	<b>BIOS Features</b>	<ul style="list-style-type: none"> <li>• ACPI</li> <li>• PXE</li> <li>• WOL</li> <li>• AC loss recovery</li> <li>• IPMI 2.0 KCS interface</li> <li>• SMBIOS</li> <li>• Serial console redirection</li> <li>• BIOS Boot Specification</li> <li>• BIOS Recovery Mode</li> <li>• SRIOV</li> <li>• iSCSI</li> <li>• TPM</li> <li>• PCIe NTB</li> </ul>
<b>On-board Devices</b>	<b>SATA</b>	<ul style="list-style-type: none"> <li>• Built-in SATA controller with RAID support on Intel® C612 Chipset</li> <li>• 8x 7pin SATA connectors</li> <li>• 1x M.2 with SATA/PCIe X2 support</li> </ul>
	<b>IPMI</b>	<ul style="list-style-type: none"> <li>• Aspeed AST2400 Advanced PCIe Graphics &amp; Remote Management Processor</li> <li>• Baseboard Management Controller</li> <li>• Intelligent Platform Interface 2.0 (IPMI 2.0)</li> <li>• iKVM, Media Redirection, IPMI over LAN, Serial over LAN</li> <li>• SMASH Support</li> </ul>
	<b>Network Controllers</b>	<ul style="list-style-type: none"> <li>• Intel® Ethernet Controller X540-BT2 dual port 10GbE, 10GBASE-T, PCIe v2.1, x8 [Or Intel® Ethernet Controller I350-AM2, dual port GbE, PCIe v2.0 (co-lay with Intel® X540-BT2). MOQ required.]</li> <li>• Intel® Ethernet Controller I210-AT, single port GbE controller, PCIe v2.1, 2.5 GT/s, x1</li> <li>• Intel® Ethernet Network Connection I217-LM, single port GbE, 1Gbps</li> <li>• Realtek® RTL8201EL single port 10/100 Mbps Ethernet PHYceiver for dedicated BMC port</li> </ul>
	<b>Graphics</b>	<ul style="list-style-type: none"> <li>• Aspeed AST2400 Advanced PCIe Graphics &amp; Remote Management Processor</li> <li>• PCIe VGA/2D Controller</li> <li>• 1920x1200@60Hz 32bpp</li> </ul>



TOP VIEW

1200W 1+1 redundant power supply 80+ Platinum



6 x 8038 PWM hot swap fans

Power supply and Server board are included.

REAR VIEW

Supports up to 6 x PCIe 3.0 slots



12 x 3.5" hot swap drive bays

FRONT VIEW

24 x 3.5" hot swap drive bays



<b>Rear I/O</b>	LAN	<ul style="list-style-type: none"> <li>• 2 x 10GbE RJ45 (or factory option: 2 x GbE)</li> <li>• 2 x additional GbE RJ45: optional in PCIe bracket area</li> <li>• 1 x GbE RJ45 dedicated to BMC management</li> </ul>
	USB	2 x USB 3.0 Type A
	VGA	1 x DB-15
	Serial Port	1 x DB-9
<b>Power Supply</b>	1200W 1+1 redundant power supply 80+ Platinum • 100-240VAC, 47-63 Hz	
<b>System Cooling</b>	6 x 80x38 PWM hot swap fans	
<b>System Management</b>	<ul style="list-style-type: none"> <li>• IPMI 2.0</li> <li>• KVM over IP</li> <li>• Media redirection</li> <li>• Temperature, fan, voltage, PSU sensor monitor</li> <li>• System temperature</li> <li>• System ID / System fail indicator</li> <li>• Remote power on/off/reset</li> <li>• SEL message alarm through mail</li> <li>• SNMP support</li> <li>• Intel NM</li> </ul>	

<b>Environmental Specifications</b>	<ul style="list-style-type: none"> <li>• Operating temperature : 0° - 35°C</li> <li>• System relative humidity : 5% - 95% non-condensing</li> </ul>	
<b>Gross Weight</b>	(w/ PSU & Rail)	kgs : 40.4
		lbs : 89
<b>Packaging Dimensions</b>	(W x D x H)	mm : 626 x 931 x 413
		inches : 24.6 x 36.7 x 16.3
<b>Mounting</b>	Standard	26" tool-less slide rail

12G SAS JBOD

NVMe JBOD

General Purpose Server Solution

High Availability Server Solution

Storage Server Solution

Flash Barebone Server Solution

Telco Appliance Server Solution

Server Board

Rackmount Chassis

Modular Chassis

Rackmount Storage Chassis

# SB101-VG



## Features :

- 1U 4-Bay general purpose storage server
- Supports two Intel® Xeon Scalable Processors
- With Intel® Lewisburg C620 series Chipset to provide 5+ years product life cycle
- Onboard Baseboard Management Controller for system management and IPMI control
- Front-to-back airflow and hot swap redundant fans to provide optimal thermal conditions
- Two 10GbE SFP+ ports plus dedicated BMC management port
- Customizable to meet OEM/ODM requirements

## SPECIFICATIONS

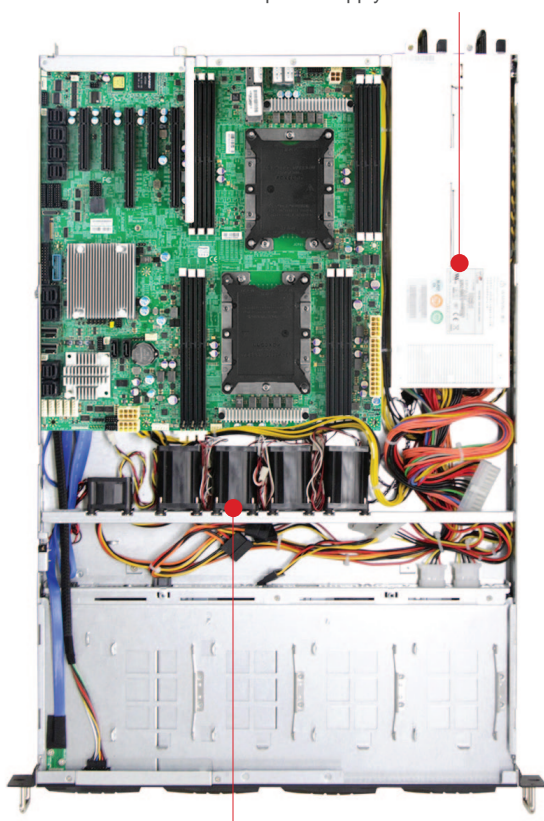
<b>Dimensions</b> (W x D x H)	mm : 438 x 680 x 43.5		
	inches : 17.2 x 26.8 x 1.7		
<b>Motherboard</b>	AIC Server Board Virgo		
<b>Processor</b>	Processor Support	Intel® Xeon® Scalable Processors	
	UPI Speeds	9.6 GT/s, 10.4 GT/s	
	Socket Type	Socket P0 (LGA-3647 Socket)	
<b>Chipset Support</b>	Intel® Lewisburg C620 series PCH		
<b>System Memory</b>	<ul style="list-style-type: none"> <li>• DDR4 2666 ECC RDIMM</li> <li>• Total 12 memory slots; 6 channel per CPU (1DPC)</li> </ul>		
<b>Front Panel</b>	<ul style="list-style-type: none"> <li>• System power on/off</li> <li>• System reset</li> <li>• 1 x USB 3.0 port</li> </ul>		
<b>LEDs</b>	<ul style="list-style-type: none"> <li>• Power status</li> <li>• HDD active</li> <li>• LAN active</li> </ul>		
<b>Drive Bays</b>	External	3.5" hot swap	4
	Internal	2.5"	4
<b>Backplane</b>	1 x 4-port 12G SAS backplane with 1 x SFF-8643 connector		
<b>Expansion Slots</b>	PCIe 3.0	1 x PCIe Gen3 x16 slot via riser card	

<b>System BIOS</b>	BIOS Type	Insyde BIOS	
	BIOS Features	<ul style="list-style-type: none"> <li>• ACP</li> <li>• PXE</li> <li>• WOL</li> <li>• AC loss recovery</li> <li>• Serial console redirection</li> </ul>	<ul style="list-style-type: none"> <li>• SMBIOS</li> <li>• BIOS Boot Specification</li> <li>• BIOS Recovery Mode</li> <li>• SRIOV</li> </ul>
<b>On-board Devices</b>	SATA/SAS	Lewisburg PCH on-chip solution <ul style="list-style-type: none"> <li>• 8 x SATA 6.0 Gb/s (by 2 x mini-SAS) + 2 x SATA 6.0 Gb/s (by 2 x SATA 7 pin)</li> <li>• Broadcom SAS IOC SAS3008 supports up to 8 ports 12G SAS via 2 x SFF-8643 mini-SAS HD (optional)</li> </ul>	
	IPMI	Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor <ul style="list-style-type: none"> <li>• Baseboard Management Controller</li> <li>• Intelligent Platform Interface 2.0 (IPMI 2.0)</li> <li>• iKVM, Media Redirection, IPMI over LAN, Serial over LAN</li> <li>• SMASH Support</li> </ul>	
	Network Controllers	<ul style="list-style-type: none"> <li>• Intel® PCH (Lewisburg) Integrated 10GbE LAN Controller with dual 10GbE SFP+ + 2 x configurable ports support 10GbE (KR/SFI/XFI) or 1GbE (KX) (option)</li> <li>• Realtek RTL8201EL for BMC dedicated management port</li> </ul>	
	Graphics	Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor <ul style="list-style-type: none"> <li>• PCIe VGA/2D Controller</li> <li>• 1920x1200@60Hz 32bpp</li> </ul>	



TOP VIEW

450W 1+1 redundant power supply 80+ Platinum



1 x 4028mm + 4 x 4056mm PWM fans

Power supply and Server board are included.

REAR VIEW

2 x 10GbE SFP+



FRONT VIEW

4 x 3.5" hot swap drive bays



<b>Rear I/O</b>	LAN	<ul style="list-style-type: none"> <li>• 2 x 10GbE SFP+</li> <li>• 1 x GbE RJ45 dedicated to BMC management</li> </ul>
	USB	2 x USB 3.0 double-stack Type A
	VGA	1 x external VGA port
	Serial Port	1 x external DB-9 COM port
<b>Power Supply</b>	<ul style="list-style-type: none"> <li>• 500W single power supply</li> <li>• 450W 1+1 redundant power supply 80+ Platinum</li> </ul>	
<b>System Cooling</b>	4 x 40x56mm + 1 x 40x28mm PWM fans	
<b>System Management</b>	<ul style="list-style-type: none"> <li>• Baseboard Management Controller</li> <li>• Intelligent Platform Interface 2.0 (IPMI 2.0)</li> <li>• iKVM, Media Redirection, IPMI over LAN, Serial over LAN</li> <li>• SMASH Support</li> <li>• HTML5</li> <li>• Redfish</li> </ul>	

<b>Environmental Specifications</b>	<ul style="list-style-type: none"> <li>• Operating temperature : 0° - 35°C</li> <li>• System relative humidity : 5% - 95% non-condensing</li> </ul>	
<b>Gross Weight</b>	(w/ PSU & Rail)	kgs : 20
		lbs : 44
<b>Packaging Dimensions</b>	(W x D x H)	mm : 615 x 1020 x 273
		inches : 24.2 x 40.2 x 10.8
<b>Mounting</b>	Standard	28" tool-less slide rail

12G SAS JBOD  
 NVMe JBOD  
 General Purpose Server Solution  
 High Availability Server Solution  
 Storage Server Solution  
 Flash Barebone Server Solution  
 Telco Appliance Server Solution  
 Server Board  
 Rackmount Chassis  
 Modular Chassis  
 Rackmount Storage Chassis

# SB102-VG



## Features :

- 1U 10-Bay high density storage server
- Supports two Intel® Xeon Scalable Processors
- With Intel® Lewisburg C620 series Chipset to provide 5+ years product life cycle
- Onboard Baseboard Management Controller for system management and IPMI control
- Front-to-back airflow and hot swap redundant fans to provide optimal thermal conditions
- Two 10GbE SFP+ ports
- Customizable to meet your requirements

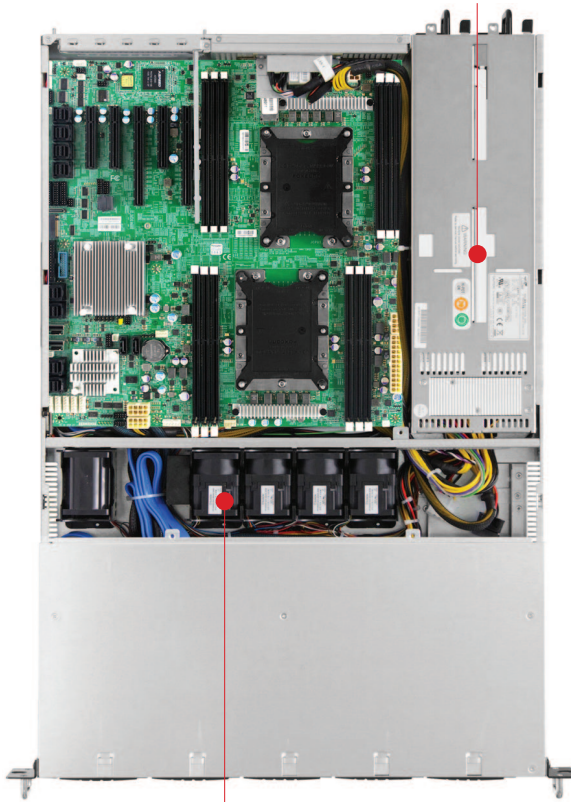
## SPECIFICATIONS

<b>Dimensions</b> (W x D x H)	mm : 438 x 680 x 43.5		
	inches : 17.2 x 26.8 x 1.7		
<b>Motherboard</b>	AIC Server Board Virgo		
<b>Processor</b>	Processor Support	Intel® Xeon® Scalable Processors	
	UPI Speeds	9.6 GT/s, 10.4 GT/s	
	Socket Type	Socket P0 (LGA-3647 Socket)	
<b>Chipset Support</b>	Intel® Lewisburg C620 series PCH		
<b>System Memory</b>	<ul style="list-style-type: none"> <li>• DDR4 2666 ECC RDIMM</li> <li>• Total 12 memory slots; 6 channel per CPU (1DPC)</li> </ul>		
<b>Front Panel</b>	<ul style="list-style-type: none"> <li>• Power on/off</li> <li>• System reset</li> <li>• 1 x USB port</li> </ul>		
<b>LEDs</b>	<ul style="list-style-type: none"> <li>• Power</li> <li>• LAN</li> <li>• Drive</li> </ul>		
<b>Drive Bays</b>	External	2.5" hot swap	8 (12G SAS)
			2 (6G SATA)
<b>Backplane</b>	<ul style="list-style-type: none"> <li>• 2 x 4-port 12Gb SAS backplane with 1 SFF-8643 connector</li> <li>• 1 x 2-port 6Gb SAS/SATA backplane with 2 x 7-pin connectors</li> </ul>		
<b>Expansion Slots</b>	PCIe 3.0	1 x16 slot via riser card	

<b>System BIOS</b>	BIOS Type	Insyde BIOS
	BIOS Features	<ul style="list-style-type: none"> <li>• ACP</li> <li>• PXE</li> <li>• WOL</li> <li>• AC loss recovery</li> <li>• SMBIOS</li> <li>• Serial console redirection</li> <li>• BIOS Boot Specification</li> <li>• BIOS Recovery Mode</li> <li>• SRIOV</li> </ul>
<b>On-board Devices</b>	SATA/SAS	<ul style="list-style-type: none"> <li>• Lewisburg PCH on-chip solution</li> <li>• 8 x SATA 6.0 Gb/s (by 2 x mini-SAS) + 2 x SATA 6.0 Gb/s (by 2 x SATA 7 pin)</li> <li>• Broadcom SAS IOC SAS3008 supports up to 8 ports 12G SAS via 2 x SFF-8643 mini-SAS HD (optional)</li> </ul>
	IPMI	<ul style="list-style-type: none"> <li>• Aspeed AST2500 Advanced PCIe Graphics &amp; Remote Management Processor</li> <li>• Baseboard Management Controller</li> <li>• Intelligent Platform Interface 2.0 (IPMI 2.0)</li> <li>• iKVM, Media Redirection, IPMI over LAN, Serial over LAN</li> <li>• SMASH Support</li> </ul>
	Network Controllers	<ul style="list-style-type: none"> <li>• Intel® PCH (Lewisburg) Integrated 10GbE LAN Controller with dual 10GbE SFP+ + 2 x configurable ports support 10GbE (KR/SFI/XFI) or 1GbE (KX) (option)</li> <li>• Realtek RTL8201EL for BMC dedicated management port</li> </ul>
	Graphics	<ul style="list-style-type: none"> <li>• Aspeed AST2500 Advanced PCIe Graphics &amp; Remote Management Processor</li> <li>• PCIe VGA/2D Controller</li> <li>• 1920x1200@60Hz 32bpp</li> </ul>

TOP VIEW

650W 1+1 redundant power supply



5 x 4056mm dual rotor fans

Power supply and Server board are included.

REAR VIEW

2 x 10GbE SFP+



FRONT VIEW

10 x 2.5" hot swap drive bays



<b>Rear I/O</b>	LAN	<ul style="list-style-type: none"> <li>• 2 x 10GbE SFP+</li> <li>• 1 x GbE RJ45 dedicated to BMC management</li> </ul>
	USB	2 x USB 3.0 double-stack Type A
	VGA	1 x external VGA port
	Serial Port	1 x external DB-9 COM port
<b>Power Supply</b>	650W 1+1 redundant power supply (Optional 750W/850W 1+1 redundant power supply)	
<b>System Cooling</b>	5 x 40x56mm dual rotor fans	
<b>System Management</b>	<ul style="list-style-type: none"> <li>• Baseboard Management Controller</li> <li>• Intelligent Platform Interface 2.0 (IPMI 2.0)</li> <li>• iKVM, Media Redirection, IPMI over LAN, Serial over LAN</li> <li>• SMASH Support</li> <li>• HTML5</li> <li>• Redfish</li> </ul>	

<b>Environmental Specifications</b>	<ul style="list-style-type: none"> <li>• Operating temperature : 0° - 35°C</li> <li>• System relative humidity : 5% - 95% non-condensing</li> </ul>	
<b>Gross Weight</b>	(w/ PSU & Rail)	kgs : 24
		lbs : 53
<b>Packaging Dimensions</b>	(W x D x H)	mm : 615 x 1020 x 273
		inches : 24.2 x 40.2 x 10.8
<b>Mounting</b>	Standard	28" tool-less slide rail

12G SAS JBOD

NVMe JBOD

General Purpose Server Solution

High Availability Server Solution

Storage Server Solution

Flash Barebone Server Solution

Telco Appliance Server Solution

Server Board

Rackmount Chassis

Modular Chassis

Rackmount Storage Chassis

# SB201-VG



## Features :

- 2U 24-Bay high density storage server
- Supports two Intel® Xeon® Scalable Processors
- With Intel® Lewisburg C620 series Chipset to provide 5+ years product life cycle
- Onboard Baseboard Management Controller for system management and IPMI control
- Front-to-back airflow and hot swap redundant fans to provide optimal thermal conditions
- Two 10GbE SFP+ ports plus dedicated BMC management port
- Customizable to meet your requirements

## SPECIFICATIONS

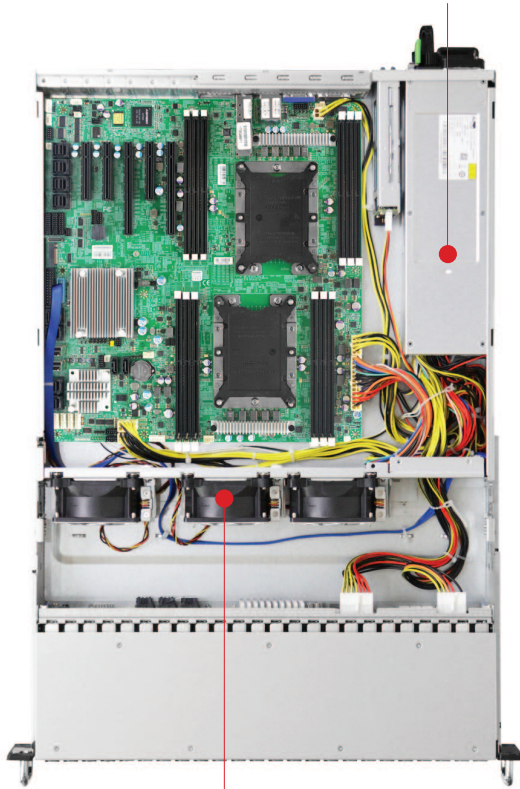
<b>Dimensions</b> (W x D x H)	mm : 430 x 646.2 x 88.2		
	inches : 17 x 25.4 x 3.5		
<b>Motherboard</b>	AIC Server Board Virgo		
<b>Processor</b>	Processor Support	Intel® Xeon® Scalable Processors	
	UPI Speeds	9.6 GT/s, 10.4 GT/s	
	Socket Type	Socket P0 (LGA-3647 Socket)	
<b>Chipset Support</b>	Intel® Lewisburg C620 series PCH		
<b>System Memory</b>	<ul style="list-style-type: none"> <li>• DDR4 2666 ECC RDIMM</li> <li>• Total 12 memory slots; 6 channel per CPU (1DPC)</li> </ul>		
<b>Front Panel</b>	<ul style="list-style-type: none"> <li>• Power on/off</li> <li>• System reset</li> </ul>		
<b>LEDs</b>	<ul style="list-style-type: none"> <li>• Power</li> <li>• Drive activity</li> <li>• Network activity</li> </ul>		
<b>Drive Bays</b>	External	2.5" hot swap	24 (front) 2 (rear)
<b>Backplane</b>	1 x 24-port 12Gb SAS backplane with 6 SFF-8643 connectors		
<b>Expansion Slots</b>	PCIe 3.0	<ul style="list-style-type: none"> <li>• 2 x16 slots / 3 x8 slots</li> <li>• 6 x SFF-8643 each support NVMe PCIe x4</li> <li>• 1 x NGFF (M.2) supports PCIe Gen3 x4 / SATA</li> </ul>	

<b>System BIOS</b>	BIOS Type	Insyde BIOS	
	BIOS Features	<ul style="list-style-type: none"> <li>• ACP</li> <li>• PXE</li> <li>• WOL</li> <li>• AC loss recovery</li> <li>• SMBIOS</li> </ul>	<ul style="list-style-type: none"> <li>• Serial console redirection</li> <li>• BIOS Boot Specification</li> <li>• BIOS Recovery Mode</li> <li>• SRIOV</li> </ul>
<b>On-board Devices</b>	SATA/SAS	<ul style="list-style-type: none"> <li>• Lewisburg PCH on-chip solution</li> <li>• 8 x SATA 6.0 Gb/s (by 2 x mini-SAS) + 2 x SATA 6.0 Gb/s (by 2 x SATA 7 pin)</li> <li>• Broadcom SAS IOC SAS3008 supports up to 8 ports 12G SAS via 2 x SFF-8643 mini-SAS HD (optional)</li> </ul>	
	IPMI	<ul style="list-style-type: none"> <li>• Aspeed AST2500 Advanced PCIe Graphics &amp; Remote Management Processor</li> <li>• Baseboard Management Controller</li> <li>• Intelligent Platform Interface 2.0 (IPMI 2.0)</li> <li>• iKVM, Media Redirection, IPMI over LAN, Serial over LAN</li> <li>• SMASH Support</li> </ul>	
	Network Controllers	<ul style="list-style-type: none"> <li>• Intel® PCH (Lewisburg) Integrated 10GbE LAN Controller with dual 10GbE SFP+ + 2 x configurable ports support 10GbE (KR/SFI/XFI) or 1GbE (KX) (option)</li> <li>• Realtek RTL8201EL for BMC dedicated management port</li> </ul>	
	Graphics	<ul style="list-style-type: none"> <li>• Aspeed AST2500 Advanced PCIe Graphics &amp; Remote Management Processor</li> <li>• PCIe VGA/2D Controller</li> <li>• 1920x1200@60Hz 32bpp</li> </ul>	



TOP VIEW

800W 1+1 redundant power supply 80+ Platinum



3 x 8038mm easy swap fans

Power supply and Server board are included.

REAR VIEW

2 x 10GbE SFP+



FRONT VIEW

24 x 2.5" hot swap drive bays



<b>Rear I/O</b>	LAN	<ul style="list-style-type: none"> <li>• 2 x 10GbE SFP+</li> <li>• 1 x GbE RJ45 dedicated to BMC management</li> </ul>
	USB	2 x USB 3.0 double-stack Type A
	VGA	1 x external VGA port
	Serial Port	1 x external DB-9 COM port
<b>Power Supply</b>	800W 1+1 redundant power supply 80+ Platinum • 100-240VAC, 47-63 Hz	
<b>System Cooling</b>	3 x 80x38mm easy swap fans	
<b>System Management</b>	<ul style="list-style-type: none"> <li>• IPMI 2.0</li> <li>• KVM over IP</li> <li>• Media redirection</li> <li>• Temperature, fan, voltage, PSU sensor monitor</li> <li>• System temperature</li> <li>• System ID / System fail indicator</li> <li>• Remote power on/off/reset</li> <li>• SEL message alarm through mail</li> <li>• SNMP support</li> <li>• Intel NM</li> <li>• HTML5</li> <li>• Redfish</li> </ul>	

<b>Environmental Specifications</b>	<ul style="list-style-type: none"> <li>• Operating temperature : 0° - 35°C</li> <li>• System relative humidity : 5% - 95% non-condensing</li> </ul>	
<b>Gross Weight</b>	(w/ PSU & Rail)	kgs : 31
		lbs : 68.2
<b>Packaging Dimensions</b>	(W x D x H)	mm : 605 x 880 x 322
		inches : 23.8 x 34.7 x 12.7
<b>Mounting</b>	Standard	28" tool-less slide rail

12G SAS JBOD

NVMe JBOD

General Purpose Server Solution

High Availability Server Solution

Storage Server Solution

Flash Barebone Server Solution

Telco Appliance Server Solution

Server Board

Rackmount Chassis

Modular Chassis

Rackmount Storage Chassis

# SB202-VG



## Features :

- 2U 12-Bay general purpose storage server
- Supports two Intel® Xeon Scalable Processors
- With Intel® Lewisburg C620 series Chipset to provide 5+ years product life cycle
- Onboard Baseboard Management Controller for system management and IPMI control
- Front-to-back airflow and hot swap redundant fans to provide optimal thermal conditions
- Two 10GbE SFP+ ports plus dedicated BMC management port
- Customizable to meet OEM/ODM requirements

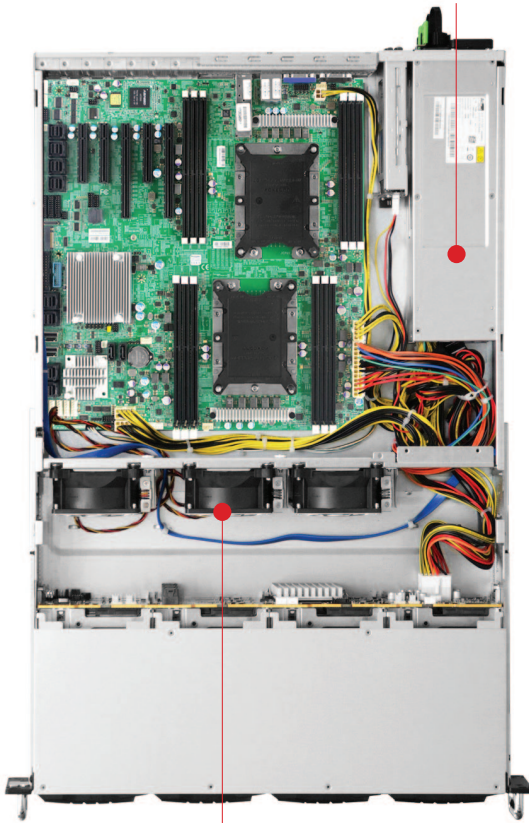
## SPECIFICATIONS

<b>Dimensions</b> (W x D x H)	mm : 430 x 680 x 88.2		
	inches : 17 x 26.8 x 3.5		
<b>Motherboard</b>	AIC Server Board Virgo		
<b>Processor</b>	Processor Support	Intel® Xeon® Scalable Processors	
	UPI Speeds	9.6 GT/s, 10.4 GT/s	
	Socket Type	Socket P0 (LGA-3647 Socket)	
<b>Chipset Support</b>	Intel® Lewisburg C620 series PCH		
<b>System Memory</b>	<ul style="list-style-type: none"> <li>• DDR4 2666 ECC RDIMM</li> <li>• Total 12 memory slots; 6 channel per CPU (1DPC)</li> </ul>		
<b>Front Panel</b>	<ul style="list-style-type: none"> <li>• Power on/off</li> <li>• System reset</li> <li>• System ID</li> <li>• 1 x USB 3.0 Type A connector</li> </ul>		
<b>LEDs</b>	<ul style="list-style-type: none"> <li>• Power status</li> <li>• System alert</li> <li>• LAN active</li> <li>• Drive active</li> <li>• System ID</li> </ul>		
<b>Drive Bays</b>	External	3.5" hot swap	12
		2.5" hot swap	2 (7mm, rear)
<b>Backplane</b>	<ul style="list-style-type: none"> <li>• 1 x 12-port 12G SAS backplane with 28-PHY expander chip and 3 SFF-8643 connectors</li> <li>• 1 x 12-port 12G SAS passive backplane with SFF-8643 + 4 x NVMe U.2 connectors (BTO)</li> <li>• 1 x 12-port 12G SAS backplane with 3 SFF-8643 connectors (BTO)</li> </ul>		
<b>Expansion Slots</b>	PCIe 3.0	• 2 x PCIe Gen3 x16	
		• 1 x PCIe Gen3 x16 (x8 mode) • 3 x PCIe Gen3 x8	

<b>System BIOS</b>	<b>BIOS Type</b>	<ul style="list-style-type: none"> <li>• Insyde UEFI BIOS</li> <li>• SPI (Serial Peripheral Interface) FLASH Interface</li> </ul>
	<b>BIOS Features</b>	<ul style="list-style-type: none"> <li>• ACPI</li> <li>• PXE</li> <li>• WOL</li> <li>• AC loss recovery</li> <li>• IPMI 2.0 KCS interface</li> <li>• SMBIOS</li> <li>• Serial console redirection</li> <li>• BIOS Boot Specification</li> <li>• BIOS Recovery Mode</li> <li>• SRIOV</li> <li>• iSCSI</li> <li>• TPM</li> <li>• PCIe NTB</li> </ul>
<b>On-board Devices</b>	<b>SATA/SAS</b>	<ul style="list-style-type: none"> <li>• Lewisburg PCH on-chip solution</li> <li>• 8 x SATA 6.0 Gb/s (by 2 x mini-SAS) + 2 x SATA 6.0 Gb/s (by 2 x SATA 7 pin)</li> <li>• Broadcom SAS IOC SAS3008 supports up to 8 ports 12G SAS via 2 x SFF-8643 mini-SAS HD (optional)</li> </ul>
	<b>IPMI</b>	<ul style="list-style-type: none"> <li>• Aspeed AST2500 Advanced PCIe Graphics &amp; Remote Management Processor</li> <li>• Baseboard Management Controller</li> <li>• Intelligent Platform Interface 2.0 (IPMI 2.0)</li> <li>• iKVM, Media Redirection, IPMI over LAN, Serial over LAN</li> <li>• SMASH Support</li> </ul>
	<b>Network Controllers</b>	<ul style="list-style-type: none"> <li>• Intel® PCH (Lewisburg) Integrated 10GbE LAN Controller with dual 10GbE SFP+ + 2 x configurable ports support 10GbE (KR/SFI/XFI) or 1GbE (KX) (option)</li> <li>• Realtek RTL8201EL for BMC dedicated management port</li> </ul>
	<b>Graphics</b>	<ul style="list-style-type: none"> <li>• Aspeed AST2500 Advanced PCIe Graphics &amp; Remote Management Processor</li> <li>• PCIe VGA/2D Controller</li> <li>• 1920x1200@60Hz 32bpp</li> </ul>

TOP VIEW

550W 1+1 redundant power supply 80+ Platinum



3 x 8038mm hot swap fans

Power supply and Server board are included.

REAR VIEW

2 x 10GbE SFP+



FRONT VIEW

24 x 2.5" hot swap drive bays



<b>Rear I/O</b>	LAN	<ul style="list-style-type: none"> <li>• 2 x 10GbE SFP+</li> <li>• 1 x GbE RJ45 dedicated to BMC management</li> </ul>
	USB	2 x USB 3.0 double-stack Type A
	VGA	1 x external VGA port
	Serial Port	1 x external DB-9 COM port
<b>Power Supply</b>	<ul style="list-style-type: none"> <li>• 550W 1+1 redundant power supply 80+ Platinum</li> <li>• 800W 1+1 redundant power supply 80+ Platinum (BTO)</li> </ul>	
<b>System Cooling</b>	3 x 80x38mm PWM hot swap system cooling fans	
<b>System Management</b>	<ul style="list-style-type: none"> <li>• Baseboard Management Controller</li> <li>• Intelligent Platform Interface 2.0 (IPMI 2.0)</li> <li>• iKVM, Media Redirection, IPMI over LAN, Serial over LAN</li> <li>• SMASH Support</li> <li>• HTML5</li> <li>• Redfish</li> </ul>	

<b>Environmental Specifications</b>	<ul style="list-style-type: none"> <li>• Operating temperature : 0° - 35°C</li> <li>• System relative humidity : 5% - 95% non-condensing</li> </ul>	
<b>Gross Weight</b>	(w/ PSU & Rail)	kgs : 27
		lbs : 59.5
<b>Packaging Dimensions</b>	(W x D x H)	mm : 605 x 920 x 322
		inches : 23.8 x 36.2 x 12.7
<b>Mounting</b>	Standard	28" tool-less slide rail

12G SAS JBOD

NVMe JBOD

General Purpose Server Solution

High Availability Server Solution

Storage Server Solution

Flash Barebone Server Solution

Telco Appliance Server Solution

Server Board

Rackmount Chassis

Modular Chassis

Rackmount Storage Chassis

# SB302-VG



## Features :

- 3U 16-Bay general purpose storage server
- Supports two Intel® Xeon Scalable Processors
- With Intel® Lewisburg C620 series Chipset to provide 5+ years product life cycle
- Onboard Baseboard Management Controller for system management and IPMI control
- Front-to-back airflow and hot swap redundant fans to provide optimal thermal conditions
- Two 10GbE SFP+ ports plus dedicated BMC management port
- Customizable to meet OEM/ODM requirements

## SPECIFICATIONS

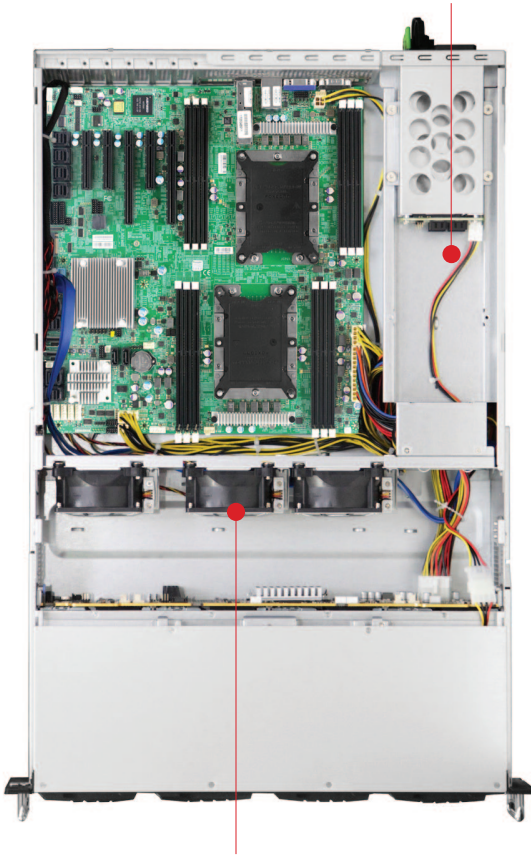
<b>Dimensions</b> (W x D x H)	mm : 430 x 680 x 132.8		
	inches : 17 x 26.8 x 5.2		
<b>Motherboard</b>	AIC Server Board Virgo		
<b>Processor</b>	Processor Support	Intel® Xeon® Scalable Processors	
	UPI Speeds	9.6 GT/s, 10.4 GT/s	
	Socket Type	Socket P0 (LGA-3647 Socket)	
<b>Chipset Support</b>	Intel® Lewisburg C620 series PCH		
<b>System Memory</b>	<ul style="list-style-type: none"> <li>• DDR4 2666 ECC RDIMM</li> <li>• Total 12 memory slots; 6 channel per CPU (1DPC)</li> </ul>		
<b>Front Panel</b>	<ul style="list-style-type: none"> <li>• Power on/off</li> <li>• System reset</li> <li>• System ID</li> <li>• 1 x USB 3.0 Type A connector</li> </ul>		
<b>LEDs</b>	<ul style="list-style-type: none"> <li>• Power status</li> <li>• System alert</li> <li>• LAN active</li> <li>• Drive active</li> <li>• System ID</li> </ul>		
<b>Drive Bays</b>	External	3.5" hot swap	16
		2.5" hot swap	2 (7mm, rear)
<b>Backplane</b>	<ul style="list-style-type: none"> <li>• 1 x 16-port 12G SAS backplanes with 28-PHY expander and 3 SFF-8643 connectors</li> <li>• 1 x 16-port 12G SAS passive backplane with 4 SFF-8643 + 4 x NVMe U.2 connectors (BTO)</li> <li>• 1 x 16-port 12G SAS backplane with 3 SFF-8643 connectors (BTO)</li> </ul>		
<b>Expansion Slots</b>	PCIe 3.0	• 2 x PCIe Gen3 x16	
		• 1 x PCIe Gen3 x16 (x8 mode) • 3 x PCIe Gen3 X8	

<b>System BIOS</b>	<b>BIOS Type</b>	<ul style="list-style-type: none"> <li>• Insyde UEFI BIOS</li> <li>• SPI (Serial Peripheral Interface) FLASH Interface</li> </ul>
	<b>BIOS Features</b>	<ul style="list-style-type: none"> <li>• ACPI</li> <li>• PXE</li> <li>• WOL</li> <li>• AC loss recovery</li> <li>• IPMI 2.0 KCS interface</li> <li>• SMBIOS</li> <li>• Serial console redirection</li> <li>• BIOS Boot Specification</li> <li>• BIOS Recovery Mode</li> <li>• SRIOV</li> <li>• iSCSI</li> <li>• TPM</li> <li>• PCIe NTB</li> </ul>
<b>On-board Devices</b>	<b>SATA/SAS</b>	<ul style="list-style-type: none"> <li>• Lewisburg PCH on-chip solution</li> <li>• 8 x SATA 6.0 Gb/s (by 2 x mini-SAS) + 2 x SATA 6.0 Gb/s (by 2 x SATA 7 pin)</li> <li>• Broadcom SAS IOC SAS3008 supports up to 8 ports 12G SAS via 2 x SFF-8643 mini-SAS HD (optional)</li> </ul>
	<b>IPMI</b>	<ul style="list-style-type: none"> <li>• Aspeed AST2500 Advanced PCIe Graphics &amp; Remote Management Processor</li> <li>• Baseboard Management Controller</li> <li>• Intelligent Platform Interface 2.0 (IPMI 2.0)</li> <li>• iKVM, Media Redirection, IPMI over LAN, Serial over LAN</li> <li>• SMASH Support</li> </ul>
	<b>Network Controllers</b>	<ul style="list-style-type: none"> <li>• Intel® PCH (Lewisburg) Integrated 10GbE LAN Controller with dual 10GbE SFP+ + 2 x configurable ports support 10GbE (KR/SFI/XFI) or 1GbE (KX) (option)</li> <li>• Realtek RTL8201EL for BMC dedicated management port</li> </ul>
	<b>Graphics</b>	<ul style="list-style-type: none"> <li>• Aspeed AST2500 Advanced PCIe Graphics &amp; Remote Management Processor</li> <li>• PCIe VGA/2D Controller</li> <li>• 1920x1200@60Hz 32bpp</li> </ul>



TOP VIEW

800W 1+1 redundant power supply 80+ Platinum

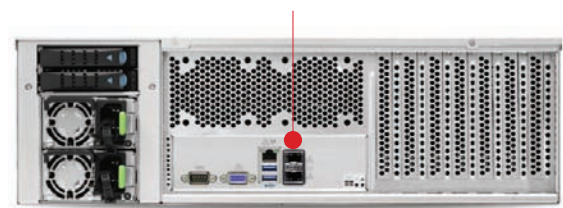


3 x 8038mm PWM & low power hot swap fans

Power supply and Server board are included.

REAR VIEW

2 x 10GbE SFP+



FRONT VIEW

16 x 3.5" hot swap drive bays



<b>Rear I/O</b>	LAN	<ul style="list-style-type: none"> <li>• 2 x 10GbE SFP+</li> <li>• 1 x GbE RJ45 dedicated to BMC management</li> </ul>
	USB	2 x USB 3.0 double-stack Type A
	VGA	1 x external VGA port
	Serial Port	1 x external DB-9 COM port
<b>Power Supply</b>	800W 1+1 redundant power supply 80+ Platinum	
<b>System Cooling</b>	3 x 80x38mm PWM & low power hot swap fans	
<b>System Management</b>	<ul style="list-style-type: none"> <li>• Baseboard Management Controller</li> <li>• Intelligent Platform Interface 2.0 (IPMI 2.0)</li> <li>• iKVM, Media Redirection, IPMI over LAN, Serial over LAN</li> <li>• SMASH Support</li> <li>• HTML5</li> <li>• Redfish</li> </ul>	
<b>Environmental Specifications</b>	<ul style="list-style-type: none"> <li>• Operating temperature : 0° - 35°C</li> <li>• System relative humidity : 5% - 95% non-condensing</li> </ul>	

<b>Gross Weight</b>	(w/ PSU & Rail)	kgs : 32
		lbs : 70.5
<b>Packaging Dimensions</b>	(W x D x H)	mm : 605 x 920 x 366
		inches : 23.8 x 36.2 x 14.4
<b>Mounting</b>	Standard	28" tool-less slide rail

12G SAS JBOD

NVMe JBOD

General Purpose Server Solution

High Availability Server Solution

Storage Server Solution

Flash Barebone Server Solution

Telco Appliance Server Solution

Server Board

Rackmount Chassis

Modular Chassis

Rackmount Storage Chassis

# SB401-VG



## Features :

- 4U 24-Bay general purpose storage server
- Supports two Intel® Xeon Scalable Processors
- With Intel® Lewisburg C620 series Chipset to provide 5+ years product life cycle
- Onboard Baseboard Management Controller for system management and IPMI control
- Front-to-back airflow and hot swap redundant fans to provide optimal thermal conditions
- Two 10GbE SFP+ ports plus dedicated BMC management port
- Customizable to meet OEM/ODM requirements

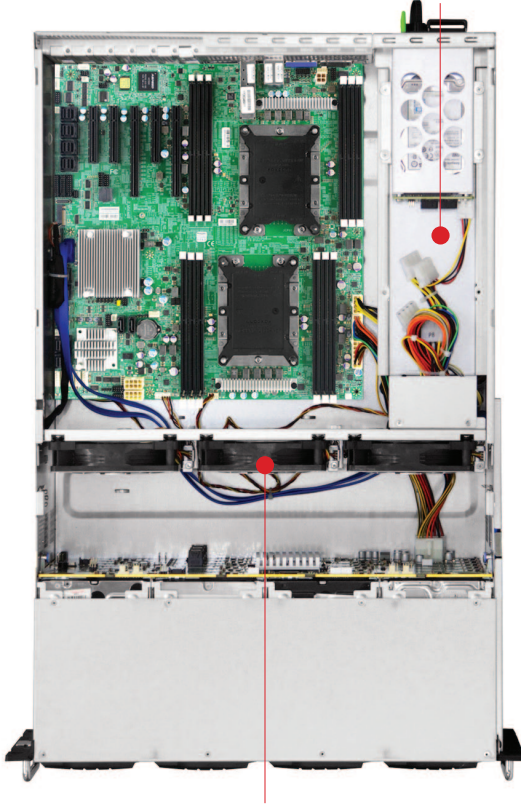
## SPECIFICATIONS

<b>Dimensions</b> (W x D x H)	mm : 430 x 680 x 174.3		
	inches : 16.9 x 26.8 x 6.9		
<b>Motherboard</b>	AIC Server Board Virgo		
<b>Processor</b>	Processor Support	Intel® Xeon® Scalable Processors	
	UPI Speeds	9.6 GT/s, 10.4 GT/s	
	Socket Type	Socket P0 (LGA-3647 Socket)	
<b>Chipset Support</b>	Intel® Lewisburg C620 series PCH		
<b>System Memory</b>	<ul style="list-style-type: none"> <li>• DDR4 2666 ECC RDIMM</li> <li>• Total 12 memory slots; 6 channel per CPU (1DPC)</li> </ul>		
<b>Front Panel</b>	<ul style="list-style-type: none"> <li>• Power on/off</li> <li>• System reset</li> <li>• System ID</li> <li>• 1 x USB 3.0 Type A connector</li> </ul>		
<b>LEDs</b>	<ul style="list-style-type: none"> <li>• Power status</li> <li>• System alert</li> <li>• LAN active</li> <li>• Drive active</li> <li>• System ID</li> </ul>		
<b>Drive Bays</b>	External	3.5" hot swap	24
		2.5" hot swap	2 (7mm, rear)
<b>Backplane</b>	<ul style="list-style-type: none"> <li>• 1 x 24-port 12Gb SAS backplane with 36-PHY expander and 3 SFF-8643 connectors</li> <li>• 1 x 24-port 12Gb SAS passive backplane with 6 SFF-8643 + 4 x NVMe U.2 connectors (BTO)</li> <li>• 1 x 24-port 12Gb SAS backplane with 6 SFF-8643 connectors (BTO)</li> </ul>		
<b>Expansion Slots</b>	PCIe 3.0	• 2 x PCIe Gen3 x16	
		• 1 x PCIe Gen3 x16 (x8 mode) • 3 x PCIe Gen3 x8	

<b>System BIOS</b>	<b>BIOS Type</b>	<ul style="list-style-type: none"> <li>• Insyde UEFI BIOS</li> <li>• SPI (Serial Peripheral Interface) FLASH Interface</li> </ul>
	<b>BIOS Features</b>	<ul style="list-style-type: none"> <li>• ACPI</li> <li>• PXE</li> <li>• WOL</li> <li>• AC loss recovery</li> <li>• IPMI 2.0 KCS interface</li> <li>• SMBIOS</li> <li>• Serial console redirection</li> <li>• BIOS Boot Specification</li> <li>• BIOS Recovery Mode</li> <li>• SRIOV</li> <li>• iSCSI</li> <li>• TPM</li> <li>• PCIe NTB</li> </ul>
<b>On-board Devices</b>	<b>SATA/SAS</b>	<ul style="list-style-type: none"> <li>• Lewisburg PCH on-chip solution</li> <li>• 8 x SATA 6.0 Gb/s (by 2 x mini-SAS) + 2 x SATA 6.0 Gb/s (by 2 x SATA 7 pin)</li> <li>• Broadcom SAS IOC SAS3008 supports up to 8 ports 12G SAS via 2 x SFF-8643 mini-SAS HD (optional)</li> </ul>
	<b>IPMI</b>	<ul style="list-style-type: none"> <li>• Aspeed AST2500 Advanced PCIe Graphics &amp; Remote Management Processor</li> <li>• Baseboard Management Controller</li> <li>• Intelligent Platform Interface 2.0 (IPMI 2.0)</li> <li>• iKVM, Media Redirection, IPMI over LAN, Serial over LAN</li> <li>• SMASH Support</li> </ul>
	<b>Network Controllers</b>	<ul style="list-style-type: none"> <li>• Intel® PCH (Lewisburg) Integrated 10GbE LAN Controller with dual 10GbE SFP+ + 2 x configurable ports support 10GbE (KR/SFI/XFI) or 1GbE (KX) (option)</li> <li>• Realtek RTL8201EL for BMC dedicated management port</li> </ul>
	<b>Graphics</b>	<ul style="list-style-type: none"> <li>• Aspeed AST2500 Advanced PCIe Graphics &amp; Remote Management Processor</li> <li>• PCIe VGA/2D Controller</li> <li>• 1920x1200@60Hz 32bpp</li> </ul>

### TOP VIEW

1200W 1+1 redundant power supply 80+ Platinum



3 x 12025mm PWM hot swap fans

Power supply and Server board are included.

### REAR VIEW

2 x 10GbE SFP+



### FRONT VIEW

24 x 3.5" hot swap drive bays



<b>Rear I/O</b>	LAN	<ul style="list-style-type: none"> <li>• 2 x 10GbE SFP+</li> <li>• 1 x GbE RJ45 dedicated to BMC management</li> </ul>
	USB	2 x USB 3.0 double-stack Type A
	VGA	1 x external VGA port
	Serial Port	1 x external DB-9 COM port
<b>Power Supply</b>	1200W 1+1 redundant power supply 80+ Platinum	
<b>System Cooling</b>	3 x 120x25mm PWM hot swap fans	
<b>System Management</b>	<ul style="list-style-type: none"> <li>• Baseboard Management Controller</li> <li>• Intelligent Platform Interface 2.0 (IPMI 2.0)</li> <li>• iKVM, Media Redirection, IPMI over LAN, Serial over LAN</li> <li>• SMASH Support</li> <li>• HTML5</li> <li>• Redfish</li> </ul>	
<b>Environmental Specifications</b>	<ul style="list-style-type: none"> <li>• Operating temperature : 0° - 35°C</li> <li>• System relative humidity : 5% - 95% non-condensing</li> </ul>	

<b>Gross Weight</b>	(w/ PSU & Rail)	kgs : 35
		lbs : 77
<b>Packaging Dimensions</b>	(W x D x H)	mm : 605 x 920 x 406
		inches : 23.8 x 36.2 x 16
<b>Mounting</b>	Standard	28" tool-less slide rail

# SB402-VG



## Features :

- 4U 36-Bay storage server
- Supports two Intel® Xeon® Scalable Processors
- With Intel® Lewisburg C620 series Chipset to provide 5+ years product life cycle
- Onboard Baseboard Management Controller for system management and IPMI control
- Front-to-back airflow and hot swap redundant fans to provide optimal thermal conditions
- Two 10GbE SFP+ ports plus dedicated BMC management port
- Customizable to meet your requirements

## SPECIFICATIONS

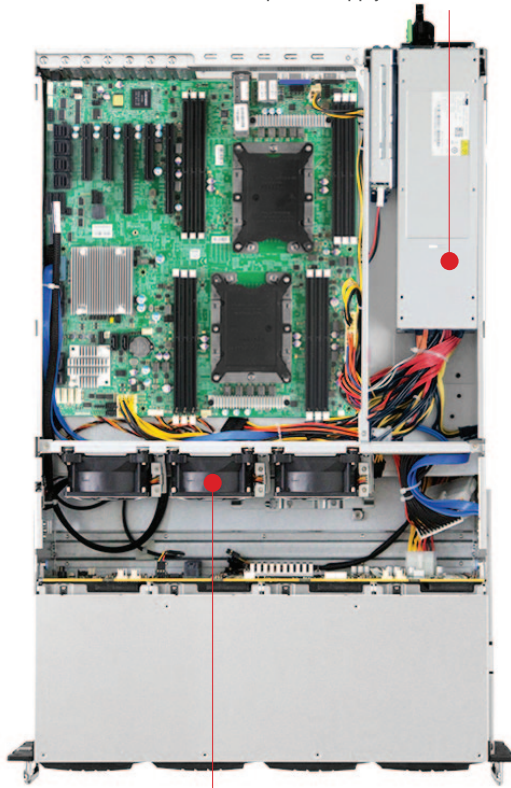
<b>Dimensions</b> (W x D x H)	mm : 432.4 x 680 x 174.3		
	inches : 17 x 26.7 x 6.9		
<b>Motherboard</b>	AIC Server Board Virgo		
<b>Processor</b>	Processor Support	Intel® Xeon® Scalable Processors	
	UPI Speeds	9.6 GT/s, 10.4 GT/s	
	Socket Type	Socket P0 (LGA-3647 Socket)	
<b>Chipset Support</b>	Intel® Lewisburg C620 series PCH		
<b>System Memory</b>	<ul style="list-style-type: none"> <li>• DDR4 2666 ECC RDIMM</li> <li>• Total 12 memory slots; 6 channel per CPU (1DPC)</li> </ul>		
<b>Front Panel</b>	<ul style="list-style-type: none"> <li>• Power on/off</li> <li>• System reset</li> <li>• 1 x USB 3.0 Type A connector</li> </ul>		
<b>LEDs</b>	<ul style="list-style-type: none"> <li>• Power</li> <li>• Alert</li> <li>• LAN</li> <li>• Drive</li> </ul>		
<b>Drive Bays</b>	External	3.5" hot swap	36
	Internal	2.5" hot swap	2
<b>Backplane</b>	Option	1 x 24-port 12Gb SAS backplane with 36-PHY expander and 3 SFF-8643 connectors	
<b>Expansion Slots</b>	PCIe 3.0	• 2 x16 slots / 3 x8 slots	
		• 6 x SFF-8643 each support NVMe PCIe x4	
		• 1 x NGFF (M.2) supports PCIe Gen3 x4 / SATA	

<b>System BIOS</b>	BIOS Type	Insyde BIOS	
	BIOS Features	<ul style="list-style-type: none"> <li>• ACP</li> <li>• PXE</li> <li>• WOL</li> <li>• AC loss recovery</li> <li>• SMBIOS</li> </ul>	<ul style="list-style-type: none"> <li>• Serial console redirection</li> <li>• BIOS Boot Specification</li> <li>• BIOS Recovery Mode</li> <li>• SRIOV</li> </ul>
<b>On-board Devices</b>	SATA/SAS	<ul style="list-style-type: none"> <li>• Lewisburg PCH on-chip solution</li> <li>• 8 x SATA 6.0 Gb/s (by 2 x mini-SAS) + 2 x SATA 6.0 Gb/s (by 2 x SATA 7 pin)</li> <li>• Broadcom SAS IOC SAS3008 supports up to 8 ports 12G SAS via 2 x SFF-8643 mini-SAS HD (optional)</li> </ul>	
	IPMI	<ul style="list-style-type: none"> <li>• Aspeed AST2500 Advanced PCIe Graphics &amp; Remote Management Processor</li> <li>• Baseboard Management Controller</li> <li>• Intelligent Platform Interface 2.0 (IPMI 2.0)</li> <li>• iKVM, Media Redirection, IPMI over LAN, Serial over LAN</li> <li>• SMASH Support</li> </ul>	
	Network Controllers	<ul style="list-style-type: none"> <li>• Intel® PCH (Lewisburg) Integrated 10GbE LAN Controller with dual 10GbE SFP+ + 2 x configurable ports support 10GbE (KR/SFI/XFI) or 1GbE (KX) (option)</li> <li>• Realtek RTL8201EL for BMC dedicated management port</li> </ul>	
	Graphics	<ul style="list-style-type: none"> <li>• Aspeed AST2500 Advanced PCIe Graphics &amp; Remote Management Processor</li> <li>• PCIe VGA/2D Controller</li> <li>• 1920x1200@60Hz 32bpp</li> </ul>	



TOP VIEW

1200W 1+1 redundant power supply 80+ Platinum



6 x 8038mm easy swap fans

Power supply and Server board are included.

REAR VIEW

2 x 10GbE SFP+



12 x 3.5" hot swap drive bays

FRONT VIEW

24 x 3.5" hot swap drive bays



<b>Rear I/O</b>	LAN	<ul style="list-style-type: none"> <li>• 2 x 10GbE SFP+</li> <li>• 1 x GbE RJ45 dedicated to BMC management</li> </ul>
	USB	2 x USB 3.0 double-stack Type A
	VGA	1 x external VGA port
	Serial Port	1 x external DB-9 COM port
<b>Power Supply</b>	1200W 1+1 redundant power supply 80+ Platinum • 100-240VAC, 47-63 Hz	
<b>System Cooling</b>	6 x 80x38mm easy swap fans	
<b>System Management</b>	<ul style="list-style-type: none"> <li>• IPMI 2.0</li> <li>• KVM over IP</li> <li>• Media redirection</li> <li>• Temperature, fan, voltage, PSU sensor monitor</li> <li>• System temperature</li> <li>• System ID / System fail indicator</li> <li>• Remote power on/off/reset</li> <li>• SEL message alarm through mail</li> <li>• SNMP support</li> <li>• Intel NM</li> <li>• HTML5</li> <li>• Redfish</li> </ul>	

<b>Environmental Specifications</b>	<ul style="list-style-type: none"> <li>• Operating temperature : 0° - 35°C</li> <li>• System relative humidity : 5% - 95% non-condensing</li> </ul>	
<b>Gross Weight</b>	(w/ PSU & Rail)	kgs : 40.4
		lbs : 89
<b>Packaging Dimensions</b>	(W x D x H)	mm : 605 x 926 x 406
		inches : 23.8 x 36.5 x 16
<b>Mounting</b>	Standard	26" tool-less slide rail

12G SAS JBOD

NVMe JBOD

General Purpose Server Solution

High Availability Server Solution

Storage Server Solution

Flash Barebone Server Solution

Telco Appliance Server Solution

Server Board

Rackmount Chassis

Modular Chassis

Rackmount Storage Chassis

# SB403-VG



## Features :

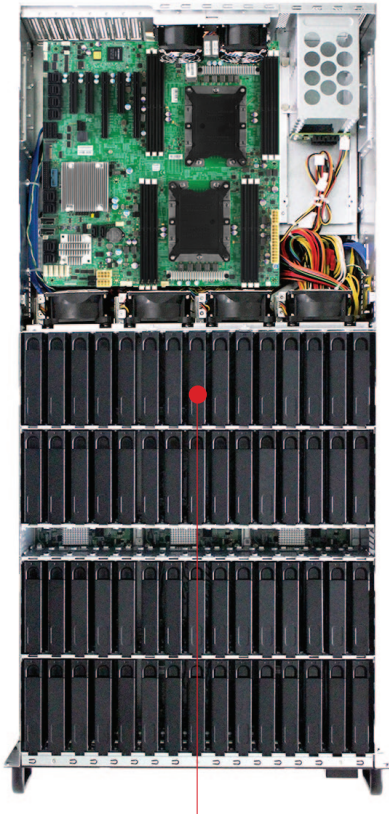
- 4U 60-Bay high density storage server
- Supports two Intel® Xeon Scalable Processors
- With Intel® Lewisburg C620 series Chipset to provide 5+ years product life cycle
- Onboard Baseboard Management Controller for system management and IPMI control
- Front-to-back airflow and hot swap redundant fans to provide optimal thermal conditions
- Two 10GbE SFP+ ports plus dedicated BMC management port
- Customizable to meet OEM/ODM requirements

## SPECIFICATIONS

<b>Dimensions</b> (W x D x H)	mm : 435 x 953 x 175.7		
	inches : 17.1 x 37.5 x 6.9		
<b>Motherboard</b>	AIC Server Board Virgo		
<b>Processor</b>	Processor Support	Intel® Xeon® Scalable Processors	
	UPI Speeds	9.6 GT/s, 10.4 GT/s	
	Socket Type	Socket P0 (LGA-3647 Socket)	
<b>Chipset Support</b>	Intel® Lewisburg C620 series PCH		
<b>System Memory</b>	<ul style="list-style-type: none"> <li>• DDR4 2666 ECC RDIMM</li> <li>• Total 12 memory slots; 6 channel per CPU (1DPC)</li> </ul>		
<b>Front Panel</b>	<ul style="list-style-type: none"> <li>• Power on/off</li> <li>• System reset</li> <li>• System ID</li> <li>• 2 x USB 3.0 Type A connectors</li> </ul>		
<b>LEDs</b>	<ul style="list-style-type: none"> <li>• Power status</li> <li>• System alert</li> <li>• LAN active</li> <li>• Drive active</li> <li>• System ID</li> </ul>		
<b>Drive Bays</b>	External	3.5" hot swap	60 (top-loading)
		2.5" hot swap	10 (rear)
<b>Backplane</b>	3 x 20-port 6G SAS backplanes with 28-PHY expander		
<b>Expansion Slots</b>	PCIe 3.0	<ul style="list-style-type: none"> <li>• 2 x PCIe Gen3 x16</li> <li>• 1 x PCIe Gen3 x16 (x8 mode)</li> <li>• 3 x PCIe Gen3 x8</li> </ul>	

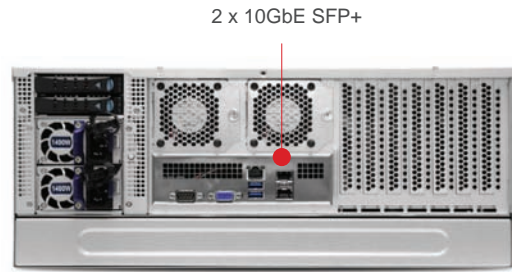
<b>System BIOS</b>	<b>BIOS Type</b>	<ul style="list-style-type: none"> <li>• Insyde UEFI BIOS</li> <li>• SPI (Serial Peripheral Interface) FLASH Interface</li> </ul>
	<b>BIOS Features</b>	<ul style="list-style-type: none"> <li>• ACPI</li> <li>• PXE</li> <li>• WOL</li> <li>• AC loss recovery</li> <li>• IPMI 2.0 KCS interface</li> <li>• SMBIOS</li> <li>• Serial console redirection</li> <li>• BIOS Boot Specification</li> <li>• BIOS Recovery Mode</li> <li>• SRIOV</li> <li>• iSCSI</li> <li>• TPM</li> <li>• PCIe NTB</li> </ul>
<b>On-board Devices</b>	<b>SATA/SAS</b>	<ul style="list-style-type: none"> <li>• Lewisburg PCH on-chip solution</li> <li>• 8 x SATA 6.0 Gb/s (by 2 x mini-SAS) + 2 x SATA 6.0 Gb/s (by 2 x SATA 7 pin)</li> <li>• Broadcom SAS IOC SAS3008 supports up to 8 ports 12G SAS via 2 x SFF-8643 mini-SAS HD (optional)</li> </ul>
	<b>IPMI</b>	<ul style="list-style-type: none"> <li>• Aspeed AST2500 Advanced PCIe Graphics &amp; Remote Management Processor</li> <li>• Baseboard Management Controller</li> <li>• Intelligent Platform Interface 2.0 (IPMI 2.0)</li> <li>• iKVM, Media Redirection, IPMI over LAN, Serial over LAN</li> <li>• SMASH Support</li> </ul>
	<b>Network Controllers</b>	<ul style="list-style-type: none"> <li>• Intel® PCH (Lewisburg) Integrated 10GbE LAN Controller with dual 10GbE SFP+ + 2 x configurable ports support 10GbE (KR/SFI/XFI) or 1GbE (KX) (option)</li> <li>• Realtek RTL8201EL for BMC dedicated management port</li> </ul>
	<b>Graphics</b>	<ul style="list-style-type: none"> <li>• Aspeed AST2500 Advanced PCIe Graphics &amp; Remote Management Processor</li> <li>• PCIe VGA/2D Controller</li> <li>• 1920x1200@60Hz 32bpp</li> </ul>

TOP VIEW



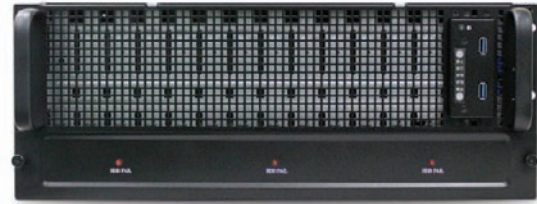
60 x 3.5" top-loading drive bays

REAR VIEW



2 x 10GbE SFP+

FRONT VIEW



Power supply and Server board are included.

<b>Rear I/O</b>	LAN	<ul style="list-style-type: none"> <li>• 2 x 10GbE SFP+</li> <li>• 1 x GbE RJ45 dedicated to BMC management</li> </ul>
	USB	2 x USB 3.0 double-stack Type A
	VGA	1 x external VGA port
	Serial Port	1 x external DB-9 COM port
<b>Power Supply</b>	1400W 1+1 redundant 80+ Platinum power supply	
<b>System Cooling</b>	Middle : 4 x 80x38mm PWM & low-power consumption hot swap fans	
	Rear : 2 x 60x38mm PWM easy swap fans	
<b>System Management</b>	<ul style="list-style-type: none"> <li>• Baseboard Management Controller</li> <li>• Intelligent Platform Interface 2.0 (IPMI 2.0)</li> <li>• iKVM, Media Redirection, IPMI over LAN, Serial over LAN</li> <li>• SMASH Support</li> <li>• HTML5</li> <li>• Redfish</li> </ul>	

<b>Environmental Specifications</b>	<ul style="list-style-type: none"> <li>• Operating temperature : 0° - 35°C</li> <li>• System relative humidity : 5% - 95% non-condensing</li> </ul>	
	<b>Gross Weight</b>	(w/ PSU & Rail)
<b>Packaging Dimensions</b>	(W x D x H)	mm : 603 x 1191 x 404
		inches : 23.7 x 46.9 x 15.9
<b>Mounting</b>	Standard	25" tool-less slide rail

12G SAS JBOD

NVMe JBOD

General Purpose Server Solution

High Availability Server Solution

Storage Server Solution

Flash Barebone Server Solution

Telco Appliance Server Solution

Server Board

Rackmount Chassis

Modular Chassis

Rackmount Storage Chassis

# SB405-PV



## Features :

- 4U 102-Bay ultra density storage server
- Supports two Intel® Xeon® Scalable Processors
- With Intel® Lewisburg C620 series Chipset to provide 5+ years product life cycle
- Flexible IO usage with Max IO™ to support up to 1 PCIe 3.0 card
- Onboard Baseboard Management Controller for system management and IPMI control
- Front-to-back airflow and hot swap redundant fans to provide optimal thermal conditions
- One PCIe 3.0 x16 OCP Mezzanine slot
- Two 10GbE SFP+ ports

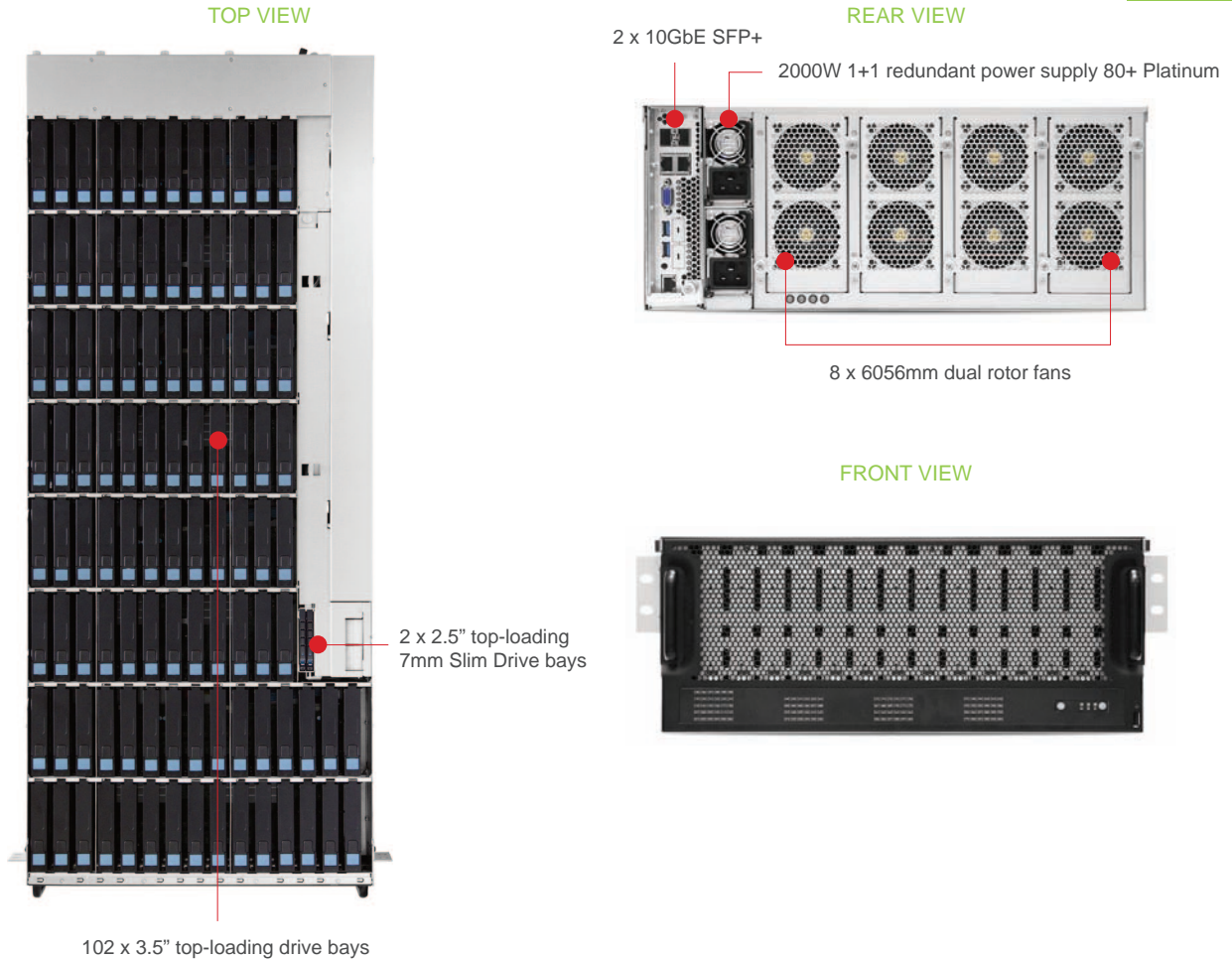
## SPECIFICATIONS

<b>Dimensions</b> (W x D x H)	mm : 434 x 1050 x 175		
	inches : 17.1 x 41.3 x 7		
<b>Motherboard</b>	AIC Server Board Pavo		
<b>Processor</b>	Processor Support	Intel® Xeon® Scalable Processors (recommends 105W)	
	UPI Speeds	9.6 GT/s, 10.4 GT/s	
	Socket Type	Socket P0 (LGA-3647 Socket)	
<b>Chipset Support</b>	Intel® Lewisburg C620 series PCH		
<b>System Memory</b>	<ul style="list-style-type: none"> <li>• DDR4 2666 ECC RDIMM</li> <li>• Total 16 memory slots; 6 channel per CPU (4 x 1DPC + 2 x 2DPC per CPU)</li> </ul>		
<b>Front Panel</b>	<ul style="list-style-type: none"> <li>• Power on/off</li> <li>• System reset</li> <li>• 1 x USB</li> </ul>		
<b>LEDs</b>	<ul style="list-style-type: none"> <li>• Power</li> <li>• Drive</li> <li>• System ID</li> </ul>		
<b>Drive Bays</b>	External	3.5" hot swap	102
		2.5" hot swap	2 (7mm Slim Hard Drives)
<b>Backplanes</b>	<ul style="list-style-type: none"> <li>• 3 x 24-port 12 Gb SAS backplane with 36-PHY expander and 2 x 8i SAS Slimline connectors</li> <li>• 1 x 30-port 12 Gb SAS backplane with 40-PHY expander and 2 x 8i SAS Slimline connectors</li> </ul>		
<b>Expansion Slots</b>	PCIe 3.0	1 x16 for OCP Mezzanine V2.0 (Type 2: 1 x QSFP or 2 x QSFP+)	

<b>System BIOS</b>	BIOS Type	Insyde BIOS	
	BIOS Features	<ul style="list-style-type: none"> <li>• ACP</li> <li>• PXE</li> <li>• WOL</li> <li>• AC loss recovery</li> <li>• SMBIOS</li> </ul>	<ul style="list-style-type: none"> <li>• Serial console redirection</li> <li>• BIOS Boot Specification</li> <li>• BIOS Recovery Mode</li> <li>• SRIOV</li> </ul>
<b>On-board Devices</b>	SATA/SAS	<ul style="list-style-type: none"> <li>• Lewisburg PCH on-chip solution</li> <li>• 4 x SATA 6.0 Gb/s (by SFF-8643) + 2 x SATA 6.0 Gb/s (by 2 x SATA 7 pin)</li> </ul>	
	IPMI	<ul style="list-style-type: none"> <li>• Aspeed AST2500 Advanced PCIe Graphics &amp; Remote Management Processor</li> <li>• Baseboard Management Controller</li> <li>• Intelligent Platform Interface 2.0 (IPMI 2.0)</li> <li>• iKVM, Media Redirection, IPMI over LAN, Serial over LAN</li> <li>• SMASH Support</li> </ul>	
	Network Controllers	<ul style="list-style-type: none"> <li>• Intel® PCH (Lewisburg) Integrated 10GbE LAN Controller with dual SFP+ rear connectors</li> <li>• Intel® I350 dual ports GbE RJ45 rear connectors</li> <li>• Realtek RTL8201EL for BMC dedicated management port</li> </ul>	
	Graphics	<ul style="list-style-type: none"> <li>• Aspeed AST2500 Advanced PCIe Graphics &amp; Remote Management Processor</li> <li>• PCIe VGA/2D Controller</li> <li>• 1920x1200@60Hz 32bpp</li> </ul>	







Power supply and Server board are included.

<b>Rear I/O</b>	LAN	<ul style="list-style-type: none"> <li>• 2 x 10GbE SFP+</li> <li>• 2 x GbE RJ45</li> <li>• 1 x GbE RJ45 dedicated to BMC management</li> </ul>
	USB	<ul style="list-style-type: none"> <li>• 2 x USB 3.0 Type-A connectors</li> <li>• 1 x USB internal pin-header to support 2 x USB 3.0</li> <li>• 1 x USB internal pin-header to support 2 x USB 2.0</li> </ul>
	VGA	<ul style="list-style-type: none"> <li>• 1 x external VGA port</li> <li>• 1 x internal VGA pin-header (share with external VGA port)</li> </ul>
	Serial Port	<ul style="list-style-type: none"> <li>• 1 x external Audio jack for COM port</li> <li>• 1 x internal COM pin-header</li> </ul>
<b>Power Supply</b>	2000W 1+1 redundant power supply 80+ Platinum	
<b>System Cooling</b>	<ul style="list-style-type: none"> <li>• 3 x 40x56mm dual rotor fans (MB canister)</li> <li>• 8 x 60x56mm dual rotor fans</li> </ul>	

<b>System Management</b>	<ul style="list-style-type: none"> <li>• IPMI 2.0</li> <li>• KVM over IP</li> <li>• Media redirection</li> <li>• Temperature, fan, voltage, PSU sensor monitor</li> <li>• System temperature</li> <li>• System ID / System fail indicator</li> <li>• Remote power on/off/reset</li> <li>• SEL message alarm through mail</li> <li>• SNMP support</li> <li>• Intel NM</li> <li>• HTML5</li> <li>• Redfish</li> </ul>	
	<b>Environmental Specifications</b>	
<b>Gross Weight</b>	(w/ PSU & Rail)	kgs : 52
		lbs : 114.6
<b>Packaging Dimensions</b>	(W x D x H)	mm : 616 x 1328 x 468
		inches : 24.3 x 52.3 x 18.4
<b>Mounting</b>	Standard	41" tool-less slide rail
	Option	Cable Management Kit

12G SAS JBOD  
 NVMe JBOD  
 General Purpose Server Solution  
 High Availability Server Solution  
 Storage Server Solution  
 Flash Barebone Server Solution

# SB406-PV



## Features :

- 4U 72-Bay ultra density storage server
- Supports two Intel® Xeon® Scalable Processors
- With Intel® Lewisburg C620 series Chipset to provide 5+ years product life cycle
- Flexible IO usage with Max IO™ to support up to 1 OCP x16 Mezzanine card V2.0
- Onboard Baseboard Management Controller for system management and IPMI control
- Front-to-back airflow and hot swap redundant fans to provide optimal thermal conditions
- Customizable to meet OEM/ODM requirements

## SPECIFICATIONS

<b>Dimensions</b> (W x D x H)	mm : 434 x 810 x 175		
	inches : 17.1 x 31.9 x 6.9		
<b>Motherboard</b>	AIC Server Board Pavo		
<b>Processor</b>	Processor Support	Two Intel® Xeon® Scalable Processors (recommends 105W)	
	UPI Speeds	9.6 GT/s, 10.4 GT/s	
	Socket Type	Socket P0 (LGA-3647 Socket)	
<b>Chipset Support</b>	Intel® Lewisburg C620 series PCH		
<b>System Memory</b>	<ul style="list-style-type: none"> <li>• DDR4 2666 ECC RDIMM</li> <li>• Total 16 memory slots;</li> <li>6 channel per CPU (4 x 1DPC + 2 x 2DPC per CPU)</li> </ul>		
<b>Front Panel</b>	<ul style="list-style-type: none"> <li>• System on/off</li> <li>• System reset</li> <li>• 1 x USB</li> </ul>		
<b>LEDs</b>	<ul style="list-style-type: none"> <li>• System power</li> <li>• Drive</li> <li>• System ID</li> </ul>		
<b>Drive Bays</b>	External	3.5" hot swap	72
		2.5" hot swap	2 (7mm Slim Hard Drives)
<b>Backplane</b>	3 x 24-port 12Gb SAS backplane with 36-PHY expander and 2 x 8i SAS Slimline connectors		
<b>Expansion Slots</b>	PCIe 3.0	1 x16 for OCP Mezzanine card V2.0 (Type 2: 1 x QSFP or 2 x QSFP+)	
<b>Expander Boards</b>	<ul style="list-style-type: none"> <li>• 1 x Broadcom/LSI SAS3x48 bridge board</li> <li>• 3 x Broadcom/LSI SAS3x36 24 x 3.5" backplane</li> </ul>		

<b>System BIOS</b>	BIOS Type	Insyde BIOS
	BIOS Features	<ul style="list-style-type: none"> <li>• ACP</li> <li>• PXE</li> <li>• WOL</li> <li>• AC loss recovery</li> <li>• SMBIOS</li> <li>• Serial console redirection</li> <li>• BIOS Boot Specification</li> <li>• BIOS Recovery Mode</li> <li>• SRIOV</li> </ul>
<b>On-board Devices</b>	SATA	<ul style="list-style-type: none"> <li>• Lewisburg PCH on-chip solution</li> <li>• 4 x SATA 6.0 Gb/s (by SFF-8643) + 2 x SATA 6.0 Gb/s (by 2 x SATA 7 pin)</li> </ul>
	IPMI	<ul style="list-style-type: none"> <li>• Aspeed AST2500 Advanced PCIe Graphics &amp; Remote Management Processor</li> <li>• Baseboard Management Controller</li> <li>• Intelligent Platform Interface 2.0 (IPMI 2.0)</li> <li>• iKVM, Media Redirection, IPMI over LAN, Serial over LAN</li> <li>• SMASH Support</li> </ul>
	Network Controllers	<ul style="list-style-type: none"> <li>• Intel® PCH (Lewisburg) Integrated 10GbE LAN Controller with dual SFP+ rear connectors</li> <li>• Intel® I350 dual ports GbE RJ45 rear connectors</li> <li>• Realtek RTL8201EL for BMC dedicated management port</li> </ul>
	Graphics	<ul style="list-style-type: none"> <li>• Aspeed AST2500 Advanced PCIe Graphics &amp; Remote Management Processor</li> <li>• PCIe VGA/2D Controller</li> <li>• 1920x1200@60Hz 32bpp</li> </ul>

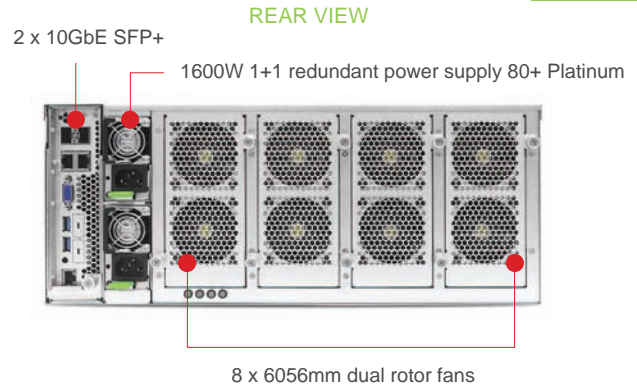




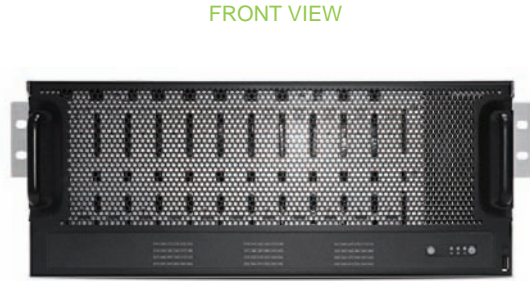
72 x 3.5" top-loading drive bays

2 x 2.5" top-loading 7mm Slim Drive bays

Power supply and Server board are included.



8 x 6056mm dual rotor fans



FRONT VIEW

<b>Rear I/O</b>	LAN	<ul style="list-style-type: none"> <li>• 2 x 10GbE SFP+</li> <li>• 2 x GbE RJ45</li> <li>• 1 x GbE RJ45 dedicated to BMC management</li> </ul>
	USB	2 x USB 3.0 Type-A connectors
	VGA	1 x external VGA port
	Serial Port	<ul style="list-style-type: none"> <li>• 1 x external Audio jack for COM port</li> <li>• 1 x internal COM pin-header</li> </ul>
<b>Power Supply</b>	1600W 1+1 redundant power supply 80+ Platinum	
<b>System Cooling</b>	<ul style="list-style-type: none"> <li>• 3 x 40x56mm dual rotor fans (MB canister)</li> <li>• 8 x 60x56mm dual rotor fans</li> </ul>	
<b>System Management</b>	<ul style="list-style-type: none"> <li>• IPMI 2.0</li> <li>• KVM over IP</li> <li>• Media redirection</li> <li>• Temperature, fan, voltage, PSU sensor monitor</li> <li>• System temperature</li> <li>• System ID / System fail indicator</li> <li>• Remote Power on/off/reset</li> <li>• SEL message alarm through mail</li> <li>• SNMP support</li> <li>• Intel NM</li> <li>• HTML5</li> <li>• Redfish</li> </ul>	

<b>Environmental Specifications</b>	<ul style="list-style-type: none"> <li>• Storage Temperature : -10°C(14°F) - 60°C(140°F)</li> <li>• Operating Temperature : 0°C(32°F) - 35°C(95°F)</li> <li>• System relative humidity : 5% - 95% non-condensing</li> </ul>	
<b>Gross Weight</b>	(w/ PSU & Rail)	kgs : 45.5
		lbs : 100.3
<b>Packaging Dimensions</b>	(W x D x H)	mm : 616 x 1090 x 468
		inches : 24.3 x 42.9 x 18.4
<b>Mounting</b>	Standard	31" slide rail
	Option	Cable Management Kit

# FB122-PV



## Features :

- 1U 10-Bay storage server supports 10 PCIe SSD 2.5" FF drives (NVMe) to provide a highly dense, all NVMe Flash storage array
- Supports two Intel® Xeon® Scalable Processors
- With Intel® Lewisburg C620 series Chipset to provide 5+ years product life cycle
- Flexible IO usage with Max IO™ to support up to 2 COTS PCIe 3.0 cards
- Onboard Baseboard Management Controller for system management and IPMI control
- Front-to-back airflow and hot swap redundant fans to provide optimal thermal conditions
- Two 10GbE SFP+ ports
- Customizable to meet your requirements

## SPECIFICATIONS

<b>Dimensions</b> (W x D x H)	mm : 438 x 845 x 44.4		
	inches : 17.2 x 33.2 x 1.75		
<b>Motherboard</b>	AIC Server Board Pavo		
<b>Processor</b>	Processor Support	Intel® Xeon® Scalable Processors	
	UPI Speeds	9.6 GT/s, 10.4 GT/s	
	Socket Type	Socket P0 (LGA-3647 Socket)	
<b>Chipset Support</b>	Intel® Lewisburg C620 series PCH		
<b>System Memory</b>	<ul style="list-style-type: none"> <li>• DDR4 2666 ECC RDIMM</li> <li>• Total 16 memory slots; 6 channel per CPU (4 x 1DPC + 2 x 2DPC per CPU)</li> </ul>		
<b>Front Panel</b>	<ul style="list-style-type: none"> <li>• System on/off</li> <li>• System ID</li> <li>• System reset</li> <li>• USB 2.0 Type A connector</li> </ul>		
<b>LEDs</b>	<ul style="list-style-type: none"> <li>• Power</li> <li>• System ID</li> <li>• Alert</li> </ul>		
<b>Drive Bays</b>	External	2.5" hot swap	10 (PCIe SSDs)
	Internal	2.5"	2 (7mm)
<b>Backplanes</b>	5 x 2-port PCIe backplanes with dual SFF-8643 connectors on each		
<b>Expansion Slots</b>	PCIe 3.0	• 1 x PCIe x16 slot	
		• 1 x PCIe x16 OCP Mezzanine card	

<b>System BIOS</b>	BIOS Type	Insyde BIOS
	BIOS Features	<ul style="list-style-type: none"> <li>• ACP</li> <li>• PXE</li> <li>• WOL</li> <li>• AC loss recovery</li> <li>• SMBIOS</li> <li>• Serial console redirection</li> <li>• BIOS Boot Specification</li> <li>• BIOS Recovery Mode</li> <li>• SRIOV</li> </ul>
<b>On-board Devices</b>	SATA	<ul style="list-style-type: none"> <li>• Lewisburg PCH on-chip solution</li> <li>• 4 x SATA 6.0 Gb/s (by 1 x mini-SAS HD) + 2 x SATA 6.0 Gb/s (by 2 x SATA 7 pin)</li> <li>• 5 x SATA 6.0 Gb/s by Max I/O™; one of Max I/O™ SATA port share with one of SATA in mini-SAS HD</li> </ul>
	IPMI	<ul style="list-style-type: none"> <li>• Aspeed AST2500 Advanced PCIe Graphics &amp; Remote Management Processor</li> <li>• Baseboard Management Controller</li> <li>• Intelligent Platform Interface 2.0 (IPMI 2.0)</li> <li>• iKVM, Media Redirection, IPMI over LAN, Serial over LAN</li> <li>• SMASH Support</li> </ul>
	Network Controllers	<ul style="list-style-type: none"> <li>• Intel® PCH (Lewisburg) Integrated 10GbE LAN Controller with dual SFP+ rear connectors</li> <li>• Intel® I350 dual ports GbE RJ45 rear connectors</li> <li>• Realtek RTL8201EL for BMC dedicated management port</li> </ul>
	Graphics	<ul style="list-style-type: none"> <li>• Aspeed AST2500 Advanced PCIe Graphics &amp; Remote Management Processor</li> <li>• PCIe VGA/2D Controller</li> <li>• 1920x1200@60Hz 32bpp</li> </ul>



TOP VIEW

750W 1+1 redundant power supply 80+ Platinum



REAR VIEW

1 x OCP Mezzanine 1 x PCIe X16 slot



FRONT VIEW

10 x 2.5" hot swap drive bays



Power supply and Server board are included.

<b>Rear I/O</b>	LAN	<ul style="list-style-type: none"> <li>• 2 x 10GbE SFP+</li> <li>• 2 x GbE RJ45</li> <li>• 1 x GbE RJ45 dedicated to BMC management</li> </ul>
	USB	2 x USB 3.0 double-stack Type A
	VGA	1 x external VGA port
	Serial Port	1 x external DB-9 COM port
<b>Power Supply</b>	750W 1+1 redundant power supply 80+ Platinum • 100-240VAC, 47-63 Hz	
<b>System Cooling</b>	6 x 40x56mm 21500/18000 rpm hot swap fan modules	
<b>System Management</b>	<ul style="list-style-type: none"> <li>• IPMI 2.0</li> <li>• KVM over IP</li> <li>• Media redirection</li> <li>• Temperature, fan, voltage, PSU sensor monitor</li> <li>• System temperature</li> <li>• System ID / System fail indicator</li> <li>• Remote power on/off/reset</li> <li>• SEL message alarm through mail</li> <li>• SNMP support</li> <li>• Intel NM</li> <li>• HTML5</li> <li>• Redfish</li> </ul>	

<b>Environmental Specifications</b>	<ul style="list-style-type: none"> <li>• Operating temperature : 0° - 35°C</li> <li>• System relative humidity : 5% - 95% non-condensing</li> </ul>	
<b>Gross Weight</b>	(w/ PSU & Rail)	kgs : 24
		lbs : 53
<b>Packaging Dimensions</b>	(W x D x H)	mm : 590 x 1130 x 273
		inches : 23.2 x 44.5 x 10.7
<b>Mounting</b>	Standard	28" tool-less slide rail

12G SAS JBOD

NVMe JBOD

General Purpose Server Solution

High Availability Server Solution

Storage Server Solution

Flash Barebone Server Solution

Telco Appliance Server Solution

Server Board

Rackmount Chassis

Modular Carriers

Rackmount Storage Chassis

# FB127-LX



## Features :

- 1U storage server supports 36 NGSFF (Next Generation Small Form-Factor) NVMe SSD to provide a high density, all NVMe Flash storage array
- Supports two Intel® Xeon® Scalable Processors family
- With Intel® C620 Series Chipset to provide 5+ years product life cycle
- Flexible IO usage with Max IO™ to support 1 x PCIe Gen3 x16 and 1 x PCIe Gen3 x8 add-on cards through riser
- Supports OCP Mezzanine v2.0 cards
- Onboard Baseboard Management Controller for system management and IPMI control
- Front-to-back airflow and hot swap redundant fans to provide optimal thermal conditions

## SPECIFICATIONS

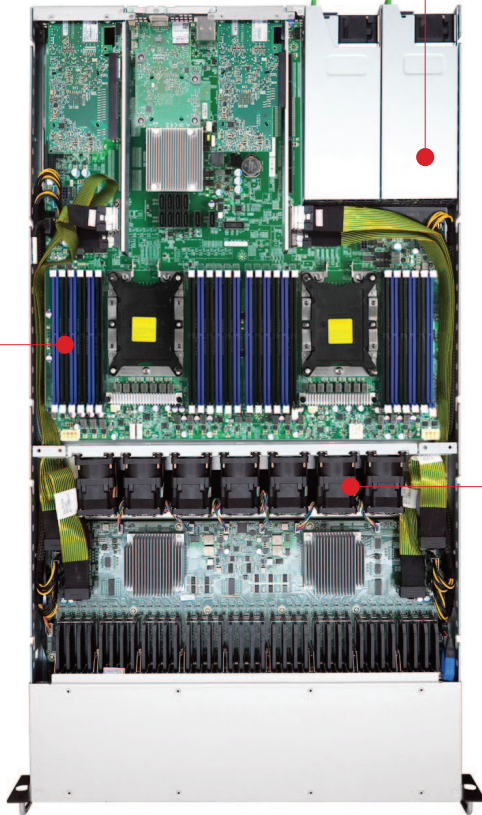
<b>Dimensions</b> (W x D x H)	mm : 438 x 801.2 x 44		
	inches : 17.2 x 31.5 x 1.7		
<b>Motherboard</b>	AIC Server Board Lynx		
<b>Processor</b>	Processor Support	Two Intel® Xeon® Scalable Processors	
	UPI Speeds	10.4GT/s	
	Socket Type	Socket P0 (LGA-3647 Socket)	
<b>Chipset Support</b>	Intel® C620 PCH		
<b>System Memory</b>	<ul style="list-style-type: none"> <li>• 24 DIMM slots across 12 memory channels (6 memory channels per CPU; 2DPC)</li> <li>- DDR4 2666 (1DPC)</li> </ul>		
<b>Front Panel</b>	<ul style="list-style-type: none"> <li>• Power on/off</li> <li>• 2 x USB 2.0 Type A connectors</li> </ul>		
<b>LEDs</b>	<ul style="list-style-type: none"> <li>• Power</li> <li>• Drive activity</li> <li>• LAN activity</li> <li>• System alert</li> </ul>		
<b>Drive Bays</b>	External	2.5" NGSFF hot swap	36
		2 x M.2 NGFF to support PCIe Gen3 x2 or SATA	
<b>Backplane</b>	1 x 36-port NGSFF NVMe SSD backplane		
<b>Expansion Slots</b>	PCIe 3.0	• 1 x PCIe x16 + 1 x PCIe x8 slot	
		• 2 x OCP Mezzanine cards v2.0	

<b>System BIOS</b>	BIOS Type	<ul style="list-style-type: none"> <li>• Insyde UEFI BIOS</li> <li>• SPI (Serial Peripheral Interface) FLASH Interface</li> </ul>
	BIOS Features	<ul style="list-style-type: none"> <li>• ACPI</li> <li>• PXE</li> <li>• WOL</li> <li>• AC loss recovery</li> <li>• IPMI 2.0 KCS interface</li> <li>• SMBIOS</li> <li>• Serial console redirection</li> <li>• BIOS Boot Specification</li> <li>• BIOS Recovery Mode</li> <li>• SRIOV</li> <li>• iSCSI</li> <li>• TPM</li> <li>• PCIe Hotplug</li> </ul>
<b>On-board Devices</b>	SATA	Intel® C620 PCH to support 10 x SATA
	IPMI	Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor
	Network Controllers	Intel® Ethernet Controller I210 Gigabit MAC/PHY to support 2 x RJ45 GbE
	Graphics	Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor <ul style="list-style-type: none"> <li>• PCIe VGA/2D Controller</li> <li>• 1920x1200@60Hz 32bpp</li> </ul>

TOP VIEW

AC 1200W or 1600W 1+1 redundant high-efficiency power supply 80+

24 DIMM slots across 12 memory channels



7 x 40x56mm dual rotor hot swap fan modules

Power supply and Server board are included.

REAR VIEW

2 x NIC Cards



2 x OCP Mezzanine Cards v2.0

FRONT VIEW

36 x NGSFF hot swap drive bays



2 x USB 3.0

<b>Rear I/O</b>	LAN	3 x RJ45 ports (1 dedicated to BMC)
	USB	2 x USB 3.0 Type A
	VGA	1 x DB-15
	Serial Port	1 x Micro USB
<b>Power Supply</b>	AC 1200W 1+1 redundant high-efficiency power supply 80+ (Optional 1600W power module available)	
<b>System Cooling</b>	7 x 40x56mm dual rotor hot swap fan modules	

<b>System Management</b>	<ul style="list-style-type: none"> <li>• Baseboard Management Controller</li> <li>• Intelligent Platform Interface 2.0 (IPMI 2.0)</li> <li>• iKVM, Media Redirection, IPMI over LAN, Serial over LAN</li> <li>• SMASH Support</li> </ul>	
	<b>Environmental Specifications</b> <ul style="list-style-type: none"> <li>• Operating temperature : 0° - 35°C</li> <li>• System relative humidity : 5% - 95% non-condensing</li> </ul>	
<b>Gross Weight</b>	(w/ PSU & Rail)	kgs : 28
		lbs : 61.7
<b>Packaging Dimensions</b>	(W x D x H)	mm : 615 x 1145 x 278
		inches : 24.2 x 45 x 10.9

12G SAS JBOD

NVMe JBOD

General Purpose Server Solution

High Availability Server Solution

Storage Server Solution

Flash Barebone Server Solution

Telco Appliance Server Solution

Server Board

Rackmount Chassis

Modular Carriers

Rackmount Storage Chassis

# FB201-LX



## Features :

- 2U-24 Bay storage server supports 24 x U.2 NVMe drives to provide a highly dense, all Flash storage array
- Supports two Intel® Xeon® Scalable Processors, 24 x DDR4 2666 RDIMM
- With Intel® C620 Series Chipset to provide 5+ years product life cycle
- Flexible IO usage with Max IO™ to support 4 x PCIe Gen3 x16 slot (or optional OCP Mezzanine card by BTO)
- Onboard Baseboard Management Controller for system management and IPMI control
- Front-to-back airflow and hot swap redundant fans to provide optimal thermal conditions
- Customizable to meet OEM/ODM requirements

## SPECIFICATIONS

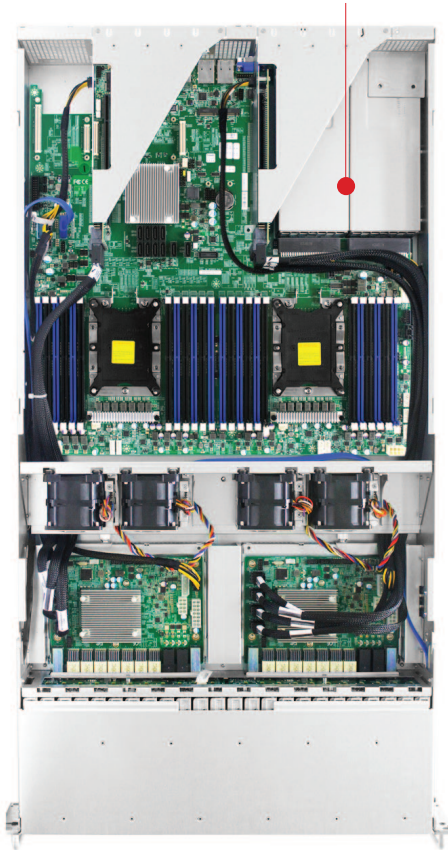
<b>Dimensions</b> (W x D x H)	mm : 438 x 850 x 88.8			<b>BIOS Type</b>	<ul style="list-style-type: none"> <li>• Insyde UEFI BIOS</li> <li>• SPI (Serial Peripheral Interface) FLASH Interface</li> </ul>	
	inches : 17.2 x 33.5 x 3.5					
<b>Motherboard</b>	AIC Server Board Lynx			<b>System BIOS</b>	<b>BIOS Features</b> <ul style="list-style-type: none"> <li>• ACPI</li> <li>• PXE</li> <li>• WOL</li> <li>• AC loss recovery</li> <li>• IPMI 2.0 KCS interface</li> <li>• SMBIOS</li> <li>• Serial console redirection</li> <li>• BIOS Boot Specification</li> <li>• BIOS Recovery Mode</li> <li>• SRIOV</li> <li>• iSCSI</li> <li>• TPM</li> <li>• PCIe Hotplug</li> </ul>	
<b>Processor</b>	Processor Support	Two Intel® Xeon® Scalable Processors				
	UPI Speeds	10.4GT/s				
	Socket Type	Socket P0 (LGA-3647 Socket)				
<b>Chipset Support</b>	Intel® C620 PCH			<b>On-board Devices</b>	<b>SATA</b>	Intel® C620 PCH to support 10 x SATA
<b>System Memory</b>	24 DIMM slots across 12 memory channels (6 memory channels per CPU; 2DPC) - DDR4 2666 (1DPC)				<b>IPMI</b>	Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor
<b>Front Panel</b>	<ul style="list-style-type: none"> <li>• Power on/off</li> <li>• System reset</li> <li>• System ID</li> <li>• 1 x USB 3.0 Type A connector</li> </ul>				<b>Network Controllers</b>	Intel® Ethernet Controller I210 Gigabit MAC/PHY to support 2 x RJ45 GbE
<b>LEDs</b>	<ul style="list-style-type: none"> <li>• Power status</li> <li>• System Alert</li> <li>• LAN active</li> <li>• Drive active</li> <li>• System ID</li> </ul>				<b>Graphics</b>	Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor • PCIe VGA/2D Controller • 1920x1200@60Hz 32bpp
<b>Drive Bays</b>	External	2.5" hot swap	24 (U.2 NVMe)			
<b>Backplanes</b>	2 x dual Broadcom/LSI PEX9765 PCIe switch backplanes					
<b>Expansion Slots</b>	PCIe 3.0	<ul style="list-style-type: none"> <li>• 4 x PCIe Gen3 x16</li> <li>• 2 x PCIe Gen3 x16 + 2 x OCP Mezzanine card V2.0 (BTO)</li> </ul>				





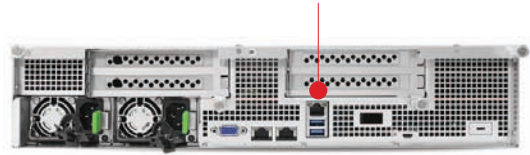
TOP VIEW

1600W 1+1 redundant power supply 80+ Platinum



REAR VIEW

2 x USB 3.0 + RJ45 (Dedicated NIC for BMC)



FRONT VIEW

24 x 2.5" hot swap drive bays



Power supply and Server board are included.

<b>Rear I/O</b>	LAN	3 x RJ45 ports (1 dedicated to BMC)
	USB	2 x USB 3.0 Type A
	VGA	1 x DB-15
	Serial Port	1 x Micro USB
<b>Power Supply</b>	1600W 1+1 redundant power supply 80+ Platinum	
<b>System Cooling</b>	4 x 60x56mm easy swap fans	

<b>System Management</b>	<ul style="list-style-type: none"> <li>• Baseboard Management Controller</li> <li>• Intelligent Platform Interface 2.0 (IPMI 2.0)</li> <li>• iKVM, Media Redirection, IPMI over LAN, Serial over LAN</li> <li>• SMASH Support</li> </ul>	
<b>Environmental Specifications</b>	<ul style="list-style-type: none"> <li>• Operating temperature : 0° - 35°C</li> <li>• System relative humidity : 5% - 95% non-condensing</li> </ul>	
<b>Gross Weight</b>	(w/ PSU & Rail)	kgs : 31
		lbs : 68.2
<b>Packaging Dimensions</b>	(W x D x H)	mm : 603 x 883 x 314
		inches : 23.7 x 34.8 x 12.4
<b>Mounting</b>	Standard	28" tool-less slide rail

12G SAS JBOD

NVMe JBOD

General Purpose Server Solution

High Availability Server Solution

Storage Server Solution

Flash Barebone Server Solution

Telco Appliance Server Solution

Server Board

Rackmount Chassis

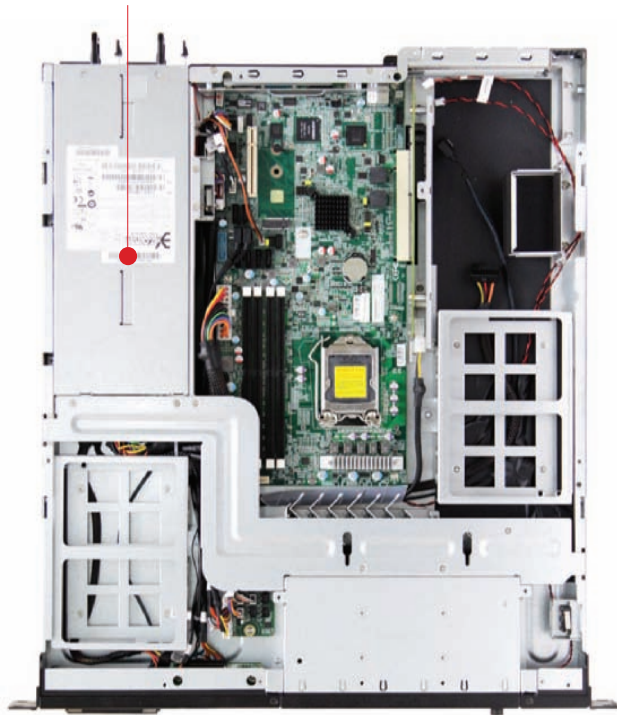
Modular Carriers

Rackmount Storage Chassis



TOP VIEW

AC/DC 300W 1+1 redundant power supply 80+



REAR VIEW

2 x PCIe 3.0 x8 slots



FRONT VIEW

3 x 4056mm hot swap, dual-rotor fans



Power supply and Server board are included.

<b>Rear I/O</b>	LAN	2 x RJ45 GbE + 1 x RJ45 management
	USB	2 x USB 3.0 Type A
	VGA	1 x DB-15
	Serial Port	1 x DB-9
<b>Power Supply</b>	AC 300W 1+1 redundant high-efficiency power supply • optional DC 36-72V input power module available • 90-264VAC, 47-63 Hz	
<b>System Cooling</b>	3 x 40x56mm hot swap, dual-rotor fans	
<b>System Management</b>	<ul style="list-style-type: none"> <li>• IPMI 2.0</li> <li>• KVM over IP</li> <li>• Media redirection</li> <li>• KCS (Keyboard Controller Style), IOL (IPMI Over LAN)</li> <li>• SOL (Serial Over LAN) interface</li> <li>• Temp, voltage and fan speed monitoring</li> <li>• CPU temperature (PECI)</li> <li>• System temperature</li> <li>• Fan speed detection</li> <li>• Smart fan speed control</li> <li>• System ID / System fail indicator</li> <li>• SMASH support</li> <li>• Remote power on/off/reset</li> </ul>	

<b>Environmental Specifications</b>	<ul style="list-style-type: none"> <li>• Operating temperature : 0° - 45°C</li> <li>• Storage temperature : -20° - 60°C</li> <li>• System relative humidity : 5% - 95% (38°C) non-condensing</li> </ul>	
<b>Gross Weight</b>	(w/ PSU & Rail)	kgs : 18.5
		lbs : 40.8
<b>Packaging Dimensions</b>	(W x D x H)	mm : 590 x 805 x 274
		inches : 23.2 x 31.7 x 10.8
<b>Mounting</b>	Standard	20" fixed rail

# TB216-AN



## Features :

- 2U FIPS/NEBS compliant network appliance
- Supports one Intel® Xeon® Processors E3-1200 v5/v6 Product Family
- With Intel® C236 Chipset to provide 5+ years product life cycle
- Flexible I/O design with MAX I/O™ technology to support up to 3 COTS PCIe 3.0 add-in cards in a 20" depth 2U
- Two server class GbE ports
- Onboard Baseboard Management Controller for system management and IPMI control
- Front-to-back airflow and hot swap redundant fans to provide optimal thermal conditions
- Customizable to meet your requirements

## SPECIFICATIONS

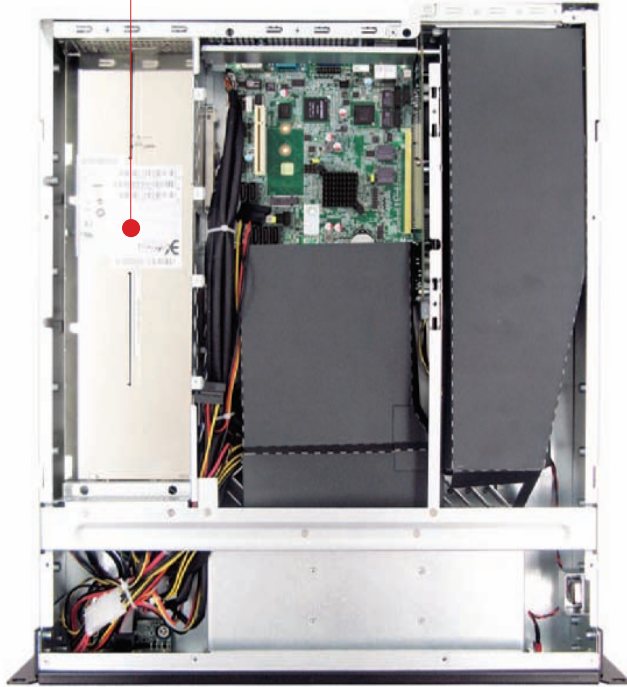
<b>Dimensions</b> (W x D x H)	mm : 438 x 541.8 x 88.8				BIOS Type	<ul style="list-style-type: none"> <li>• Insyde BIOS code base</li> <li>• SPI (Serial Peripheral Interface) FLASH Interface</li> </ul>
	inches : 17.2 x 21.3 x 3.5					
<b>Motherboard</b>	AIC Server Board Antlia			<b>System BIOS</b>	BIOS Features	<ul style="list-style-type: none"> <li>• ACPI1.0/2.0/3.0</li> <li>• PXE 2.0</li> <li>• WOL</li> <li>• AC loss recovery</li> <li>• IPMI KCS interface</li> <li>• SMBIOS 2.0</li> <li>• Serial console redirection</li> <li>• BIOS Boot Specification</li> <li>• BIOS Recovery Mode</li> <li>• SRIOV</li> </ul>
<b>Processor</b>	Processor Support	One Intel® Xeon® Processor E3-1200 v5/v6 Product Family, 6th/7th Generation Intel® Core™ i3 Processor, or Intel® Pentium® or Celeron® Processor				
	Bus Speeds	DMI - 5 GT/s				
	Socket Type	Socket H3 (FCLGA1151)				
<b>Chipset Support</b>	<ul style="list-style-type: none"> <li>• Intel® C236 PCH</li> <li>• Intel® i350-AM2</li> </ul>			<b>On-board Devices</b>	SATA	<ul style="list-style-type: none"> <li>Built-in SATA RAID controller on Intel® C236 PCH</li> <li>• 8 x SATA3 ports + 1 x M.2</li> </ul>
<b>System Memory</b>	4 DIMM slots support up to 64 GB of memory DDR4 1866/2133 ECC UDIMM 2 memory channels					
<b>Front Panel</b>	<ul style="list-style-type: none"> <li>• Power on/off</li> <li>• System ID</li> <li>• System reset</li> <li>• NMI</li> <li>• USB 2.0 Type A connector</li> </ul>				IPMI	<ul style="list-style-type: none"> <li>Aspeed AST2400 Advanced PCIe Graphics &amp; Remote Management Processor</li> <li>• Baseboard Management Controller (BMC)</li> <li>• Intelligent Platform Management Interface 2.0 (IPMI 2.0)</li> <li>• iKVM, Media redirection, IPMI over LAN, Serial over LAN</li> <li>• SMASH support</li> </ul>
<b>LEDs</b>	<ul style="list-style-type: none"> <li>• Power</li> <li>• System ID</li> <li>• System management alert</li> <li>• Drive activity</li> <li>• Network activity</li> </ul>					
<b>Drive Bays</b>	Internal	2.5"	2		Graphics	<ul style="list-style-type: none"> <li>Aspeed AST2400 Advanced PCIe Graphics &amp; Remote Management Processor</li> <li>• PCIe VGA/2D Controller</li> <li>• 1920x1200@60Hz 32bpp</li> </ul>
<b>Expansion Slots</b>	PCIe 3.0	1 x PCIe x8, 1 x PCIe x8 (x4 link), 1 x PCIe x4				
<b>Riser Card (included)</b>	PSG-RC-AA30-XXX6 (PSG Code: RC-PE2U01-TY)		2U Gold-finger x16 to 2 PCIe x8 + 1 PCIe x4 riser			





TOP VIEW

AC 450W 1+1 redundant power supply 80+



REAR VIEW

1 x PCIe x8, 1 x PCIe x8 (x4 link), 1 x PCIe x4



FRONT VIEW

3 x 6056mm hot swap, dual-rotor fans

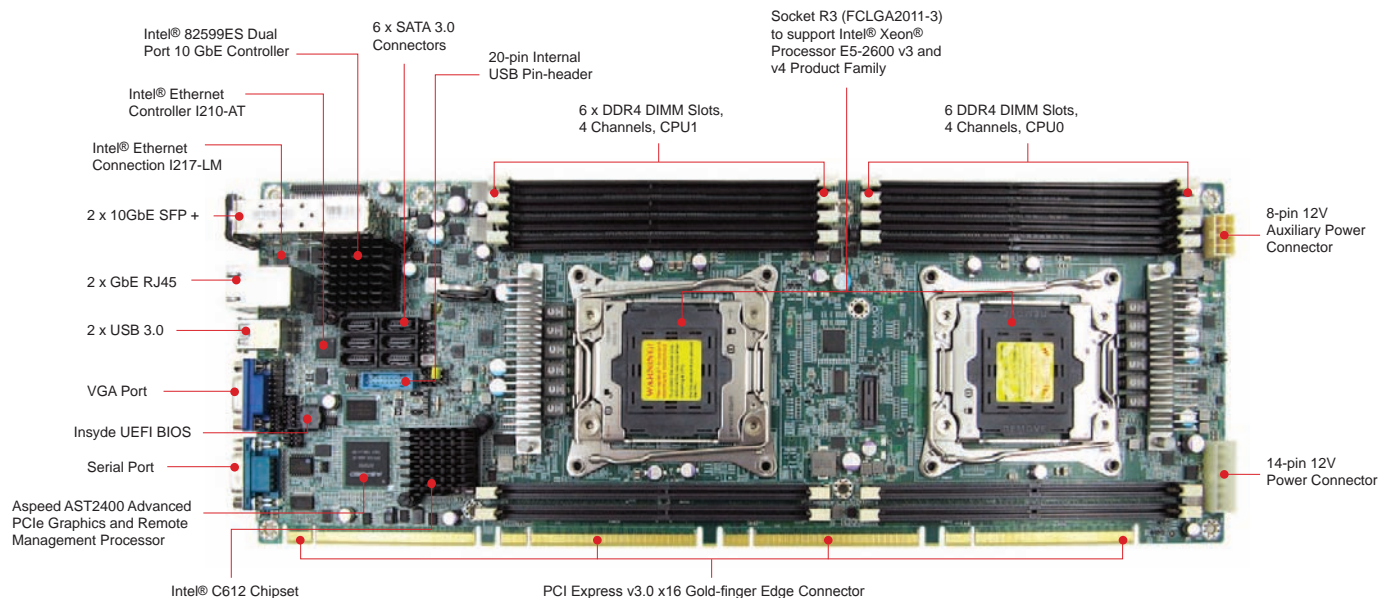


Power supply and Server board are included.

<b>Rear I/O</b>	LAN	2 x RJ45 + 1 x RJ45 management
	USB	2 x USB 3.0 Type A
	VGA	1 x DB-15
	Serial Port	1 x DB-9
<b>Power Supply</b>	AC 450W 1+1 redundant high-efficiency power supply 80+	
<b>System Cooling</b>	3 x 60x56mm hot swap, dual-rotor fans	
<b>System Management</b>	<ul style="list-style-type: none"> <li>• IPMI 2.0</li> <li>• KVM over IP</li> <li>• Media redirection</li> <li>• KCS (Keyboard Controller Style), IOL (IPMI Over LAN)</li> <li>• SOL (Serial Over LAN) interface</li> <li>• Temp, voltage and fan speed monitoring</li> <li>• CPU temperature (PECI)</li> <li>• System temperature</li> <li>• Fan speed detection</li> <li>• Smart fan speed control</li> <li>• System ID / System fail indicator</li> <li>• SMASH support</li> <li>• Remote power on/off/reset</li> </ul>	

<b>Environmental Specifications</b>	<ul style="list-style-type: none"> <li>• Operating temperature : 0° - 45°C</li> <li>• Storage temperature : -20° - 60°C</li> <li>• System relative humidity : 5% - 95% (38°C) non-condensing</li> </ul>	
<b>Gross Weight</b>	(w/ PSU & Rail)	kgs : 22
		lbs : 48.5
<b>Packaging Dimensions</b>	(W x D x H)	mm : 590 x 850 x 330
		inches : 23.2 x 33.5 x 13
<b>Mounting</b>	Standard	20" fixed rail

# PHOENIX



## Dimensions

mm : 424.2 x 157.5  
 inches : 16.7 x 6.2



The Phoenix series server board offers compelling performance and improved power efficiency, which is optimized for efficient performance platforms (storage, security and communications infrastructure).

By implementing Intel® Xeon® Processor E5-2600 v3 and v4 product family, fully integrated microarchitecture with AIC-patented MAX I/O™ technology and QuickPath extension (QPX), Phoenix series server board delivers unmatched performance, providing 2S support with four channels of DDR4 2133/2400 per socket; and unparalleled capability to further maximize all available I/O bandwidth, pushing the boundaries of Gen3 PCI Express.

Featured with ground breaking technologies including Intel® Next Generation Microarchitecture and Instruction Set (including AVX 2.0), Energy Efficient Turbo, Increased Intel® QPI link speeds up to 9.6GT/s and DDR4 memory, the Phoenix series server board enables next generation server solutions with an incredible leap in performance.

## Features :

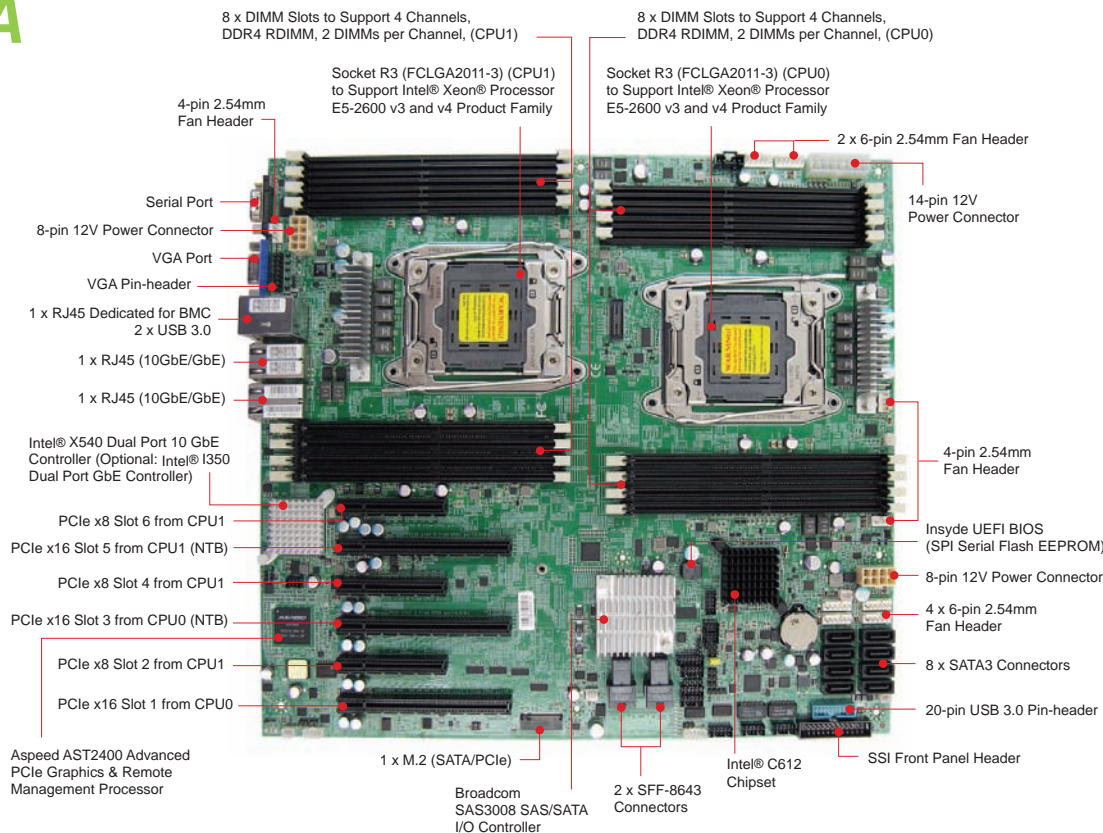
- Supports two Intel® Xeon® Processors E5-2600 v3 and v4 product family for significantly increased server performance
- 5+ years of product life cycle (based on chipset roadmap)
- Baseboard Management Controller (BMC)
  - IPMI 2.0 Spec
  - iKVM, Media redirection, SMASH support
  - KCS (keyboard controller style), IOL (IPMI over LAN), SOL (Serial over LAN) interface
  - Temperature, voltage and fan speed monitoring
  - Smart fan speed control
  - System identification, fan fail alarm, system status alarm LED
  - Remote power ON/OFF/Reset
  - RMCP+ SNMP, DHCP in IOL support
  - AES-128 encryption in RMCP+
- Max I/O™ native PCI Express provides up to 64 lanes of user-definable PCI Express v 3.0
- Rackmount Technology Extension (RTX) form factor utilizes full internal chassis height for optimal I/O configurations
- Dual 10 GbE SFP+ for increased networking bandwidth

## SPECIFICATIONS

<b>System</b>	Processor Support	Two Intel® Xeon® Processors E5-2600 v3 and v4 product family
	QPI Speeds	9.6 GT/s, 8 GT/s, 7.2 GT/s
	Socket Type	Socket R3 (FCLGA2011-3)
	System Chipset	Intel® C612 Chipset
	System Memory	<ul style="list-style-type: none"> <li>• 4 x memory channels per CPU socket, 2 x channels with 2DPC + 2 x channels with 1DPC</li> <li>• 12 x DIMM slots support: DDR4 2400/2133 RDIMM/LRDIMM</li> <li>- Up to 96GB RDIMM SRx4</li> <li>- Up to 384GB RDIMM DRx4</li> <li>- Up to 768GB LRDIMM QRx4</li> <li>- Up to 1536GB LRDIMM 3DS 8Rx4</li> <li>• Supports NVDIMM feature</li> </ul>
Expansion Slots	4 x PCIe x16 Gold-finger connectors provide 64 user define-able lanes of PCIe Gen3	
<b>System BIOS</b>	BIOS Type	<ul style="list-style-type: none"> <li>• Insyde UEFI BIOS</li> <li>• SPI (Serial Peripheral Interface) FLASH Interface</li> </ul>
	BIOS Features	<ul style="list-style-type: none"> <li>• ACPI</li> <li>• PXE</li> <li>• WOL</li> <li>• AC loss recovery</li> <li>• IPMI 2.0 KCS interface</li> <li>• SMBIOS</li> <li>• Serial console redirection</li> <li>• BIOS Boot Specification</li> <li>• BIOS Recovery Mode</li> <li>• SRIOV</li> <li>• PCIe Hotplug</li> <li>• iSCSI</li> <li>• TPM</li> <li>• PCIe NTB</li> </ul>

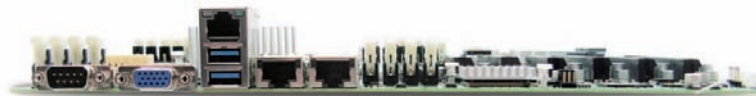
<b>On-board Devices</b>	SATA	Built-in SATA controller with RAID support on Intel® C612 Chipset
	IPMI	Aspeed AST2400 Advanced PCIe Graphics & Remote Management Processor <ul style="list-style-type: none"> <li>• Baseboard Management Controller</li> <li>• Intelligent Platform Interface 2.0 (IPMI 2.0)</li> <li>• iKVM, Media Redirection, IPMI over LAN, Serial over LAN</li> <li>• SMASH Support</li> </ul>
	Network Controller	<ul style="list-style-type: none"> <li>• Intel® 82599ES 10GbE Controller, dual port, SFP+, PCIe v2.0 (5.0GT/s)</li> <li>• Intel® Ethernet Controller I210-AT, single port GbE controller, PCIe v2.1, 2.5 GT/s, x1</li> <li>• Intel® Ethernet Network Connection I217-LM, single port GbE, 1 Gbps</li> </ul>
	Graphics	Aspeed AST2400 Advanced PCIe Graphics & Remote Management Processor <ul style="list-style-type: none"> <li>• PCIe VGA/2D Controller</li> <li>• 1920x1200@60Hz 32bpp</li> </ul>
<b>Input/Output</b>	Serial ATA	6 x SATA3 ports
	LAN	<ul style="list-style-type: none"> <li>• 2 x SFP+</li> <li>• 2 x RJ45</li> </ul>
	USB	<ul style="list-style-type: none"> <li>• 2 x USB 3.0 Type A connectors</li> <li>• 1 x USB internal pin-header to support 2 x USB3.0/USB 2.0</li> </ul>
	VGA	<ul style="list-style-type: none"> <li>• 1 x external VGA port</li> <li>• 1 x internal VGA pin-header (share with external VGA port)</li> </ul>
	Serial Port	<ul style="list-style-type: none"> <li>• 1 x external DB-9 serial port</li> <li>• 1 x internal DB-9 serial pin-header</li> </ul>
	Others	Debug display pin-header, GPIO port

## LIBRA



### Dimensions

mm : 304.8 x 330.2  
 inches : 12 x 13



The Libra series server board, standard EATX form factor, offers compelling performance and improved power efficiency, which is optimized for efficient performance platforms (storage, security and communications infrastructure).

By implementing Intel® Xeon® Processor E5-2600 v3 and v4 product family, fully integrated microarchitecture, the Libra series server board delivers unmatched performance, providing 2S support with four channels of DDR4 2133/2400 per socket, dual 10GBase-T, and optional Broadcom SAS 3008 IOC onboard.

Featured with ground breaking technologies including Intel® Next Generation Microarchitecture and Instruction Set (including AVX 2.0), Energy Efficient Turbo, Increased Intel® QPI link speeds up to 9.6GT/s and DDR4 memory, the Libra series server board enables next generation server solutions with an incredible leap in performance in a standard EATX form factor platform.

### Features :

- Supports two Intel® Xeon® Processors E5-2600 v3 and v4 product family for significantly increased server performance
- Supports 16 DDR4 DIMM slots for maximum memory performance
- 5+ years of product life cycle (based on chipset roadmap)
- Baseboard Management Controller (BMC)
  - IPMI 2.0 Spec
  - iKVM, Media redirection, SMASH support
  - KCS (keyboard controller style), IOL (IPMI over LAN), SOL (Serial over LAN) interface
  - Temperature, voltage and fan speed monitoring
  - Smart fan speed control
  - System identification, fan fail alarm, system status alarm LED
  - Remote power ON/OFF/Reset
  - RMCP+ SNMP, DHCP in IOL support
  - AES-128 encryption in RMCP+
- 6 x PCI Express v3.0 slots
- Dual port 10GBase-T RJ45 plus dedicated 10/100 RJ45 for management
- Broadcom SAS3008 SAS/SATA I/O Controller for 12Gb/s SAS

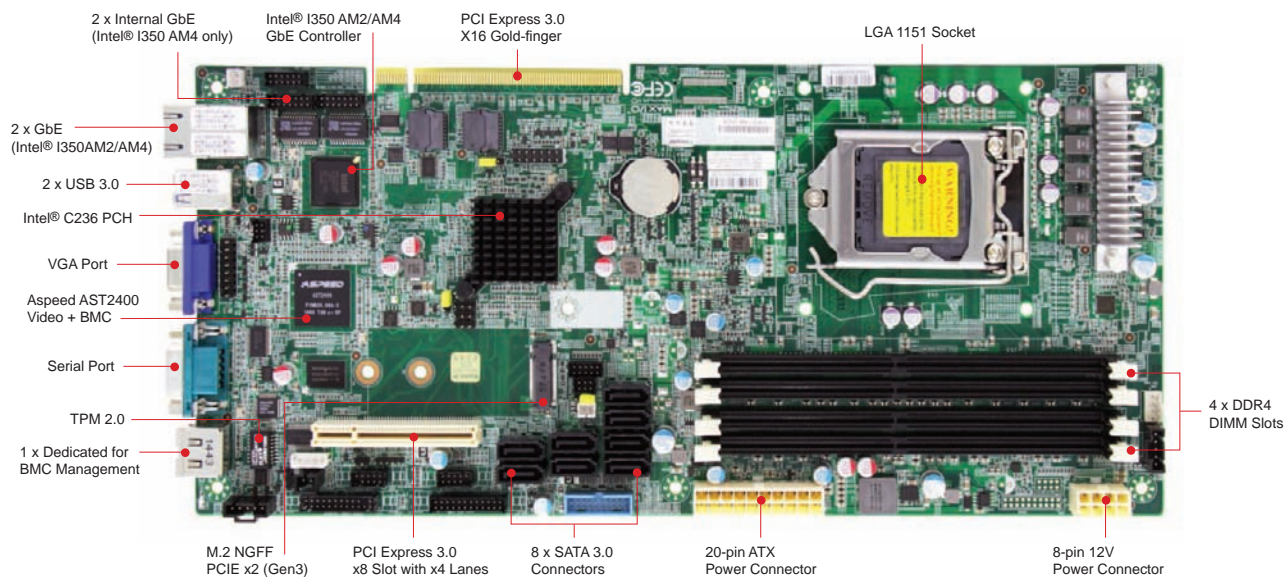


## SPECIFICATIONS

<b>System</b>	Processor Support	Two Intel® Xeon® Processors E5-2600 v3 and v4 product family
	QPI Speeds	9.6 GT/s, 8 GT/s, 7.2 GT/s
	Socket Type	Socket R3 (FCLGA2011-3)
	System Chipset	Intel® C612 Chipset
	System Memory	<ul style="list-style-type: none"> <li>• 4 x memory channels per CPU socket, 2 x DIMMs per channel (2DPC)</li> <li>• 16 x DIMM slots support: <ul style="list-style-type: none"> <li>DDR4 2400/2133 RDIMM/LRDIMM</li> <li>- Up to 128GB RDIMM SRx4</li> <li>- Up to 512GB RDIMM DRx4</li> <li>- Up to 1024GB LRDIMM QRx4</li> <li>- Up to 2048GB LRDIMM 3DS 8Rx4</li> </ul> </li> <li>• Supports NVDIMM feature</li> </ul>
Expansion Slots	<ul style="list-style-type: none"> <li>• 3 x PCIe v3.0 x16 slots</li> <li>• 3 x PCIe v3.0 x8 slots</li> </ul>	
<b>System BIOS</b>	BIOS Type	<ul style="list-style-type: none"> <li>• Insyde UEFI BIOS</li> <li>• SPI (Serial Peripheral Interface) FLASH Interface</li> </ul>
	BIOS Features	<ul style="list-style-type: none"> <li>• ACPI</li> <li>• PXE</li> <li>• WOL</li> <li>• AC loss recovery</li> <li>• IPMI 2.0 KCS interface</li> <li>• SMBIOS</li> <li>• Serial console redirection</li> <li>• BIOS Boot Specification</li> <li>• BIOS Recovery Mode</li> <li>• SRIOV</li> <li>• iSCSI</li> <li>• TPM</li> <li>• PCIe NTB</li> </ul>

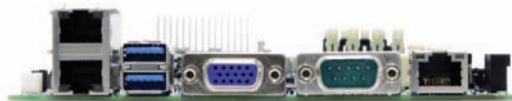
<b>On-board Devices</b>	SATA/SAS	<ul style="list-style-type: none"> <li>• Built-in SATA controller with RAID support on Intel® C612 Chipset</li> <li>• Broadcom SAS3008 SAS/SATA I/O Controller, PCIe v3.0</li> </ul>
	IPMI	<ul style="list-style-type: none"> <li>• Aspeed AST2400 Advanced PCIe Graphics &amp; Remote Management Processor</li> <li>• Baseboard Management Controller</li> <li>• Intelligent Platform Interface 2.0 (IPMI 2.0)</li> <li>• iKVM, Media Redirection, IPMI over LAN, Serial over LAN</li> <li>• SMASH Support</li> </ul>
	Network Controller	<ul style="list-style-type: none"> <li>• Intel® Ethernet Controller X540-BT2 dual port 10GbE, 10GBASE-T, PCIe v2.1, x8</li> <li><u>Optional</u>: Intel® Ethernet Controller I350-BT2, dual port GbE, PCIe v2.0</li> <li>• Intel® Ethernet Controller I210-AT, single port GbE, PCIe v2.1</li> <li>• Intel® Ethernet Network Connection I217-LM, single port GbE, 1Gbps</li> <li>• Realtek RTL8201EL single port 10/100 Mbps Ethernet PHY for dedicated BMC management port</li> </ul>
	Graphics	<ul style="list-style-type: none"> <li>• Aspeed AST2400 Advanced PCIe Graphics &amp; Remote Management Processor</li> <li>• PCIe VGA/2D Controller</li> <li>• 1920x1200@60Hz 32bpp</li> </ul>
<b>Input/Output</b>	Serial ATA	8 x SATA3 ports
	SAS (Optional)	2 x Mini-SAS HD (SFF-8643) support up to 8 ports SAS 12Gb/s
	LAN	<ul style="list-style-type: none"> <li>• 2 x 10GbE RJ45 (optional: 2 x GbE RJ45)</li> <li>• 2 x GbE internal pin-headers</li> <li>• 1 x RJ45 dedicated to BMC management</li> </ul>
	USB	<ul style="list-style-type: none"> <li>• 2 x USB 3.0 Type A connectors</li> <li>• 1 x USB internal pin-header to support 2 x USB3.0/USB2.0</li> </ul>
	VGA	<ul style="list-style-type: none"> <li>• 1 x external VGA port</li> <li>• 1 x internal VGA pin-header (share with external VGA port)</li> </ul>
	Serial Port	<ul style="list-style-type: none"> <li>• 1 x external DB-9 serial port</li> <li>• 1 x internal DB-9 serial pin-header</li> </ul>
	Others	Debug display pin-header, GPIO port IPMB pin-header, Chassis intrusion

# ANTLIA



## Dimensions

mm : 330 x 152.4  
 inches : 13 x 6



By implementing the next generation 14nm Intel® Xeon® processor E3-1200 v5 and v6 series, fully integrated microarchitecture with AIC-patented MAX I/O™ technology, the Antlia server board provides for maximum flexibility of I/O usage, never before available in the industry.

The Antlia features benefits of the Skylake processor and next generation architecture with available Gen3 PCI Express and more memory support. Built upon the MAX I/O™ technology, the Antlia series allows users to maximize the input/output (I/O) usage by utilizing the PCI Express directly at the source and eliminating the need for expensive switches. Users can cost-effectively manage PCI Express with the available bandwidth by choosing one of many riser cards for their IO expansion requirement. Max I/O™ supports any brand of PCI-based HBAs and that puts the decision of how to use PCI Express in the hands of the user, not in the hands of the board supplier.

The unique RTX form factor utilizes full internal chassis height for optimum I/O configurations.

## Features :

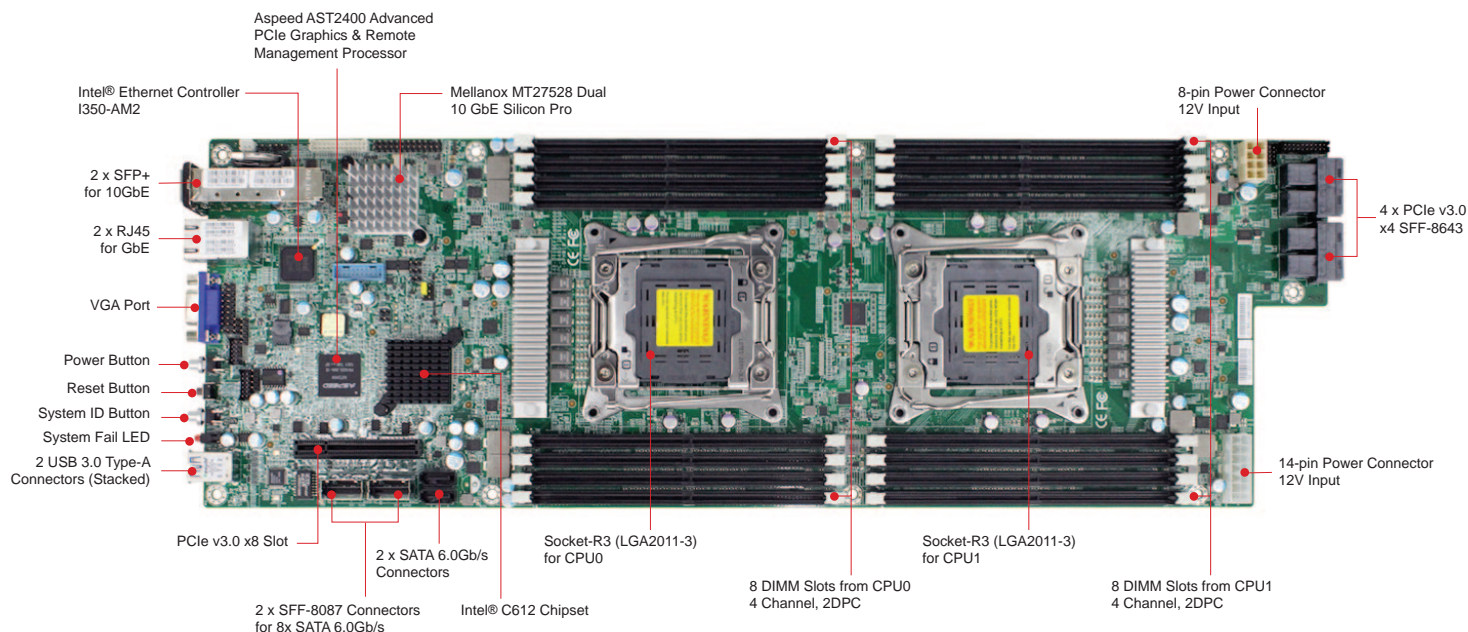
- Supports one Intel® Xeon® Processors E3-1200 v5 and v6 product family, 6th generation Intel® Core™ i3 processor, Intel® Pentium® processor or Celeron® processor
- Flexible I/O usage with Max IO™ to support an optimal number of PCIe devices utilizing 16 lanes of PCIe Gen3 and one PCIe Gen3 x4 slot
- Comes with a server-grade Intel® Ethernet Controller I350 to support up to 4GbE ports (2 x rear I/O RJ45 and 2 x onboard headers)
- With Embedded components to provide 5+ years product life cycle
- Onboard Baseboard Management Controller for system management and IPMI control
- Rackmount Technology Extension (RTX) form factor utilizes full internal chassis volume for optimum I/O configurations

## SPECIFICATIONS

<b>System</b>	Processor Support	Intel® Xeon® processor E3-1200 v5 and v6 product family
	Socket Type	Socket H3 (LGA-1151)
	System Chipset	Intel® C236 Series Chipset
	System Memory	<ul style="list-style-type: none"> <li>• 4 x DIMM slots support DDR4 1866/2133 ECC UDIMM</li> <li>• Up to 64GB capacity</li> </ul>
	Expansion Slots	<ul style="list-style-type: none"> <li>• 1 x PCIe x16 Gen3 Gold-finger</li> <li>• 1 x PCIe x8 onboard slot (x4 Gen3 mode)</li> </ul>
<b>System BIOS</b>	BIOS Type	Insyde BIOS code @ 16MB Flash EEPROM
	BIOS Features	<ul style="list-style-type: none"> <li>• ACPI1.0/2.0/3.0</li> <li>• PXE 2.0</li> <li>• WOL</li> <li>• AC loss recovery</li> <li>• IPMI KCS interface</li> <li>• SMBIOS 2.0</li> <li>• Serial console redirection</li> <li>• BIOS Boot Specification</li> <li>• BIOS Recovery Mode</li> <li>• SRIOV</li> </ul>
<b>On-board Devices</b>	SATA	Built-in SATA controller with RAID support on Intel® C236 Chipset
	IPMI	Aspeed AST2400 Advanced PCIe Graphics & Remote Management Processor <ul style="list-style-type: none"> <li>• Baseboard Management Controller</li> <li>• Intelligent Platform Interface 2.0 (IPMI 2.0)</li> <li>• iKVM, Media Redirection, IPMI over LAN, Serial over LAN</li> <li>• SMASH Support</li> </ul>
	Network Controller	<ul style="list-style-type: none"> <li>• Intel® Ethernet Controller I350-AM2 dual port GbE PCIe v2.0 (5.0GT/s)</li> <li>Optional: Intel® Ethernet Controller I350-AM4 quad port GbE PCIe v2.0 (5.0GT/s) (2 Rear IO RJ45 + 2 onboard pin-headers)</li> <li>• Realtek RTL8201EL for BMC dedicated management port</li> </ul>
	Graphics	Aspeed AST2400 Advanced PCIe Graphics & Remote Management Processor <ul style="list-style-type: none"> <li>• PCIe VGA/2D Controller</li> <li>• 1920x1200@60Hz 32bpp</li> </ul>

<b>Input/Output</b>	Serial ATA	8 x SATA 6.0Gb/s
	LAN	<ul style="list-style-type: none"> <li>• 2 x external RJ45 ports support 1GbE</li> <li>• 2 x internal GbE pin headers (only for AM4 SKU)</li> <li>• 1 x 10/100 Mbps RJ45 dedicated for BMC management</li> </ul>
	USB	<ul style="list-style-type: none"> <li>• 2 x USB 3.0 double-stake Type-A connectors</li> <li>• 1 x USB internal pin-header to support 2 x USB 3.0</li> <li>• 1 x USB internal pin-header to support 2 x USB 2.0</li> </ul>
	VGA	<ul style="list-style-type: none"> <li>• 1 x external VGA port</li> <li>• 1 x internal VGA pin-header (share with external VGA port)</li> </ul>
	Serial Port	<ul style="list-style-type: none"> <li>• 1 x external DB-9 COM port</li> <li>• 1 x internal COM pin-header</li> </ul>
	Others	Debug display pin-header, GPIO port IPMB pin-header, Chassis intrusion
	Additional Information	1x NGFF socket2 (B-key) support PCIe x2 (Gen3) up to 2260

# AIDOS-M



## Dimensions

mm : 506 x 165  
 inches : 19.9 x 6.5



The Aidos server board offers compelling performance and improved power efficiency, which is optimized for efficient performance platforms (storage, security and communications infrastructure).

By implementing Intel® Xeon® Processor E5-2600 v3/v4 product family microarchitecture and QuickPath extension (QPX), Aidos server board delivers unmatched performance, providing 2S support with four channels of DDR4 2133/2400 per socket, dual 10GbE SFP+ and 4 SFF-8643 connectors which support PCIe SSDs through specific backplanes.

Featured with ground breaking technologies including Intel® Next Generation Microarchitecture and Instruction Set (including AVX 2.0), Energy Efficient Turbo, Increased Intel® QPI link speeds up to 9.6GT/s and DDR4 memory, the Aidos server board enables next generation server solutions with an incredible leap in performance.

## Features :

- Supports two Intel® Xeon® Processor E5-2600 v3/v4 product family for highest server performance and improved power efficiency
- Embedded components for 5+ year long life
- Dual 10GbE SFP+ for increased networking bandwidth
- Onboard Baseboard Management Controller for system management and IPMI control
- Rackmount Technology Extension (RTX) form factor utilizes full internal chassis volume for optimum I/O configurations

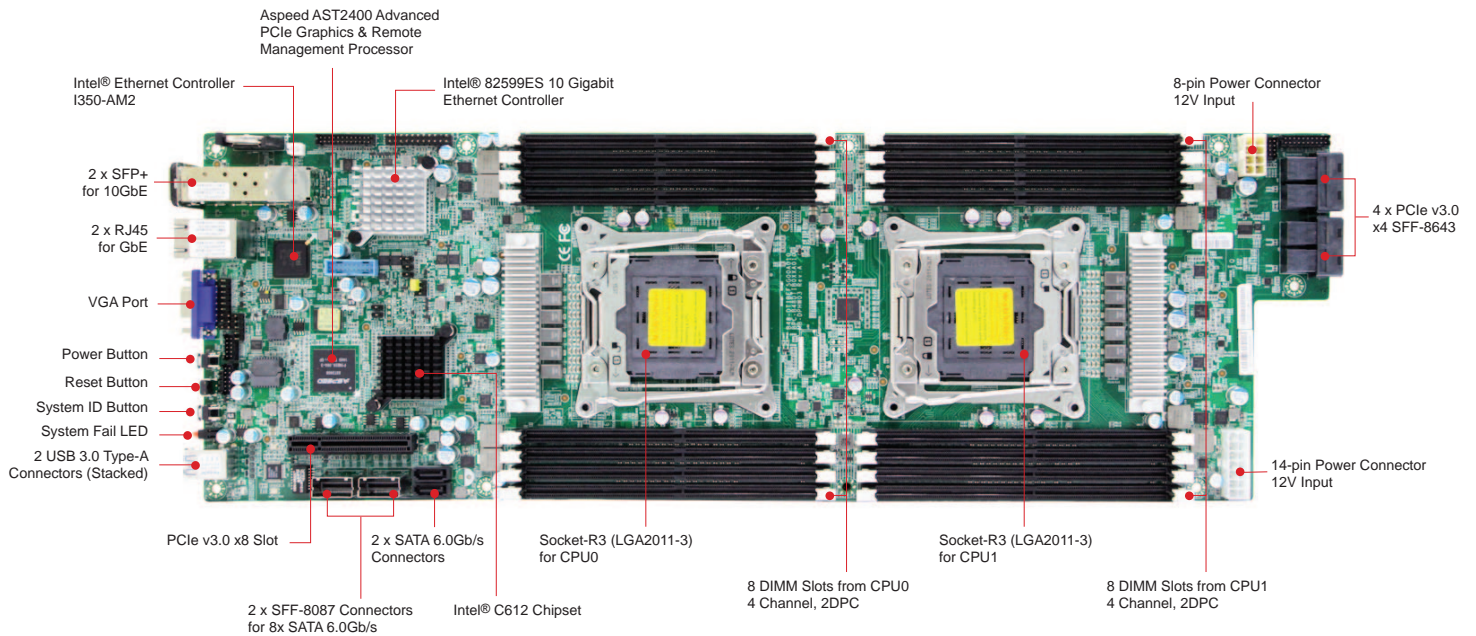


## SPECIFICATIONS

<b>System</b>	Processor Support	Intel® Xeon® Processors E5-2600 v3/v4 product family
	QPI Speed	9.6 GT/s, 8 GT/s, 7.2 GT/s
	Socket Type	Socket R3 (FCLGA2011-3)
	System Chipset	Intel® C612 Chipset
	System Memory	A) 4 x memory channels per CPU socket, 2 x DIMMs per channel B) 16 x DIMM slots support: - DDR4 2400/2133 RDIMM/LRDIMM - up to 512GB RDIMM DRx4 - up to 128GB RDIMM SRx4 - up to 1024GB LRDIMM QRx4 - up to 2048GB LRDIMM 3DS 8Rx4 C) Support NVDIMM feature
Expansion Slots	• 1 x internal PCIe Gen3 x8 slot • 4 x SFF-8643 connectors, each supports PCIe Gen3 x4 lanes	
<b>System BIOS</b>	BIOS Type	Insyde BIOS code @ 16MB Flash EEPROM
	BIOS Features	<ul style="list-style-type: none"> <li>• ACPI 1.0/2.0/3.0</li> <li>• PXE 2.0</li> <li>• WOL</li> <li>• AC loss recovery</li> <li>• IPMI KCS interface</li> <li>• SMBIOS 2.0</li> <li>• Serial console redirection</li> <li>• BIOS Boot Specification</li> <li>• BIOS Recovery Mode</li> <li>• SRIOV</li> </ul>
<b>On-board Devices</b>	SATA	Built-in SATA controller with RAID support on Intel® C612 Chipset
	IPMI	Aspeed AST2400 Advanced PCIe Graphics & Remote Management Processor • Baseboard Management Controller • Intelligent Platform Interface 2.0 (IPMI 2.0) • iKVM, Media Redirection, IPMI over LAN, Serial over LAN • SMASH Support

<b>On-board Devices</b>	Network Controller	<ul style="list-style-type: none"> <li>• Mellanox MT27528 Dual 10GbE Silicon Pro, SFP+</li> <li>• Intel Ethernet Controller I350 AM2 supports dual GbE ports, PCIe v2.0 (5.0GT/s)</li> <li>• Realtek RTL8201EL single port 10/100Mbps Ethernet PHY for dedicated BMC management port</li> </ul>
	Graphics	Aspeed AST2400 Advanced PCIe Graphics & Remote Management Processor • PCIe VGA/2D Controller • 1920x1200@60Hz 32bpp
<b>Input/Output</b>	Serial ATA	<ul style="list-style-type: none"> <li>• 8 x SATA 6.0Gb/s (by 2 x mini-SAS connector)</li> <li>• 2 x SATA 6.0Gb/s (by 2 x SATA connector)</li> </ul>
	LAN	<ul style="list-style-type: none"> <li>• 2 x external SFP+ connectors support 10GbE</li> <li>• 2 x external RJ45 ports support 1GbE</li> <li>• 1 x internal PHY header dedicated for BMC management</li> </ul>
	USB	<ul style="list-style-type: none"> <li>• 2 x USB 3.0 double-stack Type-A connectors</li> <li>• 1 x USB internal pin-header to support 2 x USB3.0/USB2.0</li> </ul>
	VGA	<ul style="list-style-type: none"> <li>• 1 x external VGA port</li> <li>• 1 x internal VGA pin-header (share with external VGA port)</li> </ul>
	Serial Port	2 x internal COM pin-headers
	Others	Debug display pin-header, GPIO port IPMB pin-header
Additional Information	<ul style="list-style-type: none"> <li>• 1 x power button</li> <li>• 1 x reset button</li> <li>• 1 x ID button</li> <li>• 1 x system failure LED</li> </ul>	

# AIDOS-I



## Dimensions

mm : 506 x 165  
 inches : 19.9 x 6.5



The Aidos server board offers compelling performance and improved power efficiency, which is optimized for efficient performance platforms (storage, security and communications infrastructure).

By implementing Intel® Xeon® Processor E5-2600 v3/v4 product family microarchitecture and QuickPath extension (QPX), Aidos server board delivers unmatched performance, providing 2S support with four channels of DDR4 2133/2400 per socket, dual 10GbE SFP+ and 4 SFF-8643 connectors which support PCIe SSDs through specific backplanes.

Featured with ground breaking technologies including Intel® Next Generation Microarchitecture and Instruction Set (including AVX 2.0), Energy Efficient Turbo, Increased Intel® QPI link speeds up to 9.6GT/s and DDR4 memory, the Aidos server board enables next generation server solutions with an incredible leap in performance.

## Features :

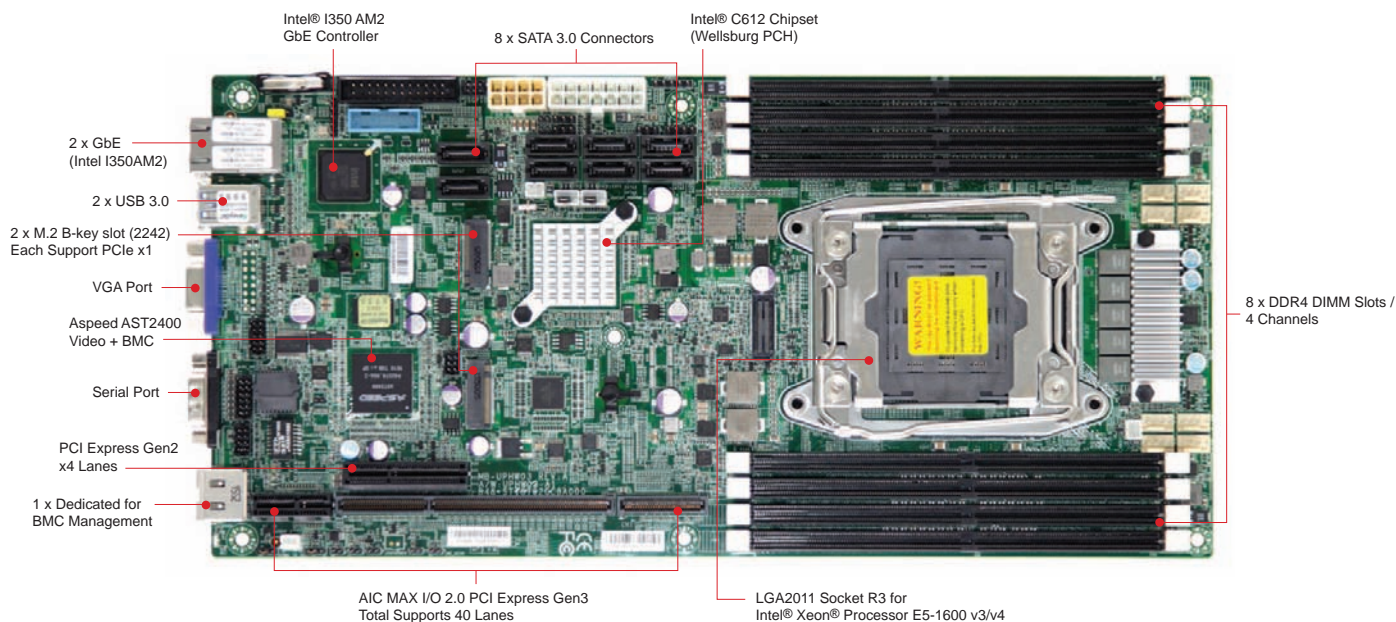
- Supports two Intel® Xeon® Processor E5-2600 v3/v4 product family for highest server performance and improved power efficiency
- Embedded components for 5+ year long life
- Dual 10GbE SFP+ for increased networking bandwidth
- Onboard Baseboard Management Controller for system management and IPMI control
- Rackmount Technology Extension (RTX) form factor utilizes full internal chassis volume for optimum I/O configurations

## SPECIFICATIONS

<b>System</b>	Processor Support	Intel® Xeon® Processors E5-2600 v3/v4 product family
	QPI Speed	9.6 GT/s, 8 GT/s, 7.2 GT/s
	Socket Type	Socket R3 (FCLGA2011-3)
	System Chipset	Intel® C612 Chipset
	System Memory	A) 4 x memory channels per CPU socket, 2 x DIMMs per channel B) 16 x DIMM slots support: - DDR4 2400/2133 RDIMM/LRDIMM - up to 512GB RDIMM DRx4 - up to 128GB RDIMM SRx4 - up to 1024GB LRDIMM QRx4 - up to 2048GB LRDIMM 3DS 8Rx4 C) Support NVDIMM feature
Expansion Slots	• 1 x internal PCIe Gen3 x8 slot • 4 x SFF-8643 connectors, each supports PCIe Gen3 x4 lanes	
<b>System BIOS</b>	BIOS Type	Insyde BIOS code @ 16MB Flash EEPROM
	BIOS Features	<ul style="list-style-type: none"> <li>• ACPI 1.0/2.0/3.0</li> <li>• PXE 2.0</li> <li>• WOL</li> <li>• AC loss recovery</li> <li>• IPMI KCS interface</li> <li>• SMBIOS 2.0</li> <li>• Serial console redirection</li> <li>• BIOS Boot Specification</li> <li>• BIOS Recovery Mode</li> <li>• SRIOV</li> </ul>
<b>On-board Devices</b>	SATA	Built-in SATA controller with RAID support on Intel® C612 Chipset
	IPMI	Aspeed AST2400 Advanced PCIe Graphics & Remote Management Processor • Baseboard Management Controller • Intelligent Platform Interface 2.0 (IPMI 2.0) • iKVM, Media Redirection, IPMI over LAN, Serial over LAN • SMASH Support

<b>On-board Devices</b>	Network Controller	<ul style="list-style-type: none"> <li>• Intel 82599ES 10 Gigabit Ethernet Controller, SFP+, dual port 10GbE, PCIe v2.0 (5.0GT/s)</li> <li>• Intel Ethernet Controller I350 AM2 supports dual GbE ports, PCIe v2.0 (5.0GT/s)</li> <li>• Realtek RTL8201EL single port 10/100Mbps Ethernet PHY for dedicated BMC management port</li> </ul>
	Graphics	Aspeed AST2400 Advanced PCIe Graphics & Remote Management Processor • PCIe VGA/2D Controller • 1920x1200@60Hz 32bpp
<b>Input/Output</b>	Serial ATA	<ul style="list-style-type: none"> <li>• 8 x SATA 6.0Gb/s (by 2 x mini-SAS connector)</li> <li>• 2 x SATA 6.0Gb/s (by 2 x SATA connector)</li> </ul>
	LAN	<ul style="list-style-type: none"> <li>• 2 x external SFP+ connectors support 10GbE</li> <li>• 2 x external RJ45 ports support 1GbE</li> <li>• 1 x internal PHY header dedicated for BMC management</li> </ul>
	USB	<ul style="list-style-type: none"> <li>• 2 x USB 3.0 double-stack Type-A connectors</li> <li>• 1 x USB internal pin-header to support 2 x USB3.0/USB2.0</li> </ul>
	VGA	<ul style="list-style-type: none"> <li>• 1 x external VGA port</li> <li>• 1 x internal VGA pin-header (share with external VGA port)</li> </ul>
	Serial Port	2 x internal COM pin-headers
	Others	Debug display pin-header, GPIO port IPMB pin-header
Additional Information	<ul style="list-style-type: none"> <li>• 1 x power button</li> <li>• 1 x reset button</li> <li>• 1 x ID button</li> <li>• 1 x system failure LED</li> </ul>	

# GRUS



## Dimensions

mm : 318 x 153.8  
 inches : 12.5 x 6



The Grus server board offers the latest Xeon® E5-1600 v3/v4 technology solutions with compelling performance and provides premium power efficiency, which is optimized for efficient performance platforms (storage, security and communications infrastructure).

By implementing Intel® Xeon® Processor E5-1600 v3/v4, fully integrated microarchitecture with AIC MAX I/O 2.0 which support up to 40 lanes of PCIe Gen3, Grus server board can maximize the I/O intensive application demand, providing four channels with eight DIMM slots deployment which can support up to 1024GB DDR4 2400/2133.

Featured with ground breaking technologies including Intel® Xeon® E5 Microarchitecture, the Grus server board enable small form factor but meets various application needs and offers the latest virtualization support at reasonable cost and provides the the ultimate solutions.

## Features :

- Supports Intel® Xeon® Processor E5-1600 v3/v4 product family for highest server performance and improved power efficiency
- Embedded components for 5+ year long life
- Comes with a server-grade Intel® Ethernet Controller I350 to support 2GbE ports
- Onboard Baseboard Management Controller for system management and IPMI control
- Rackmount Technology Extension (RTX) form factor utilizes full internal chassis volume for optimum I/O configurations

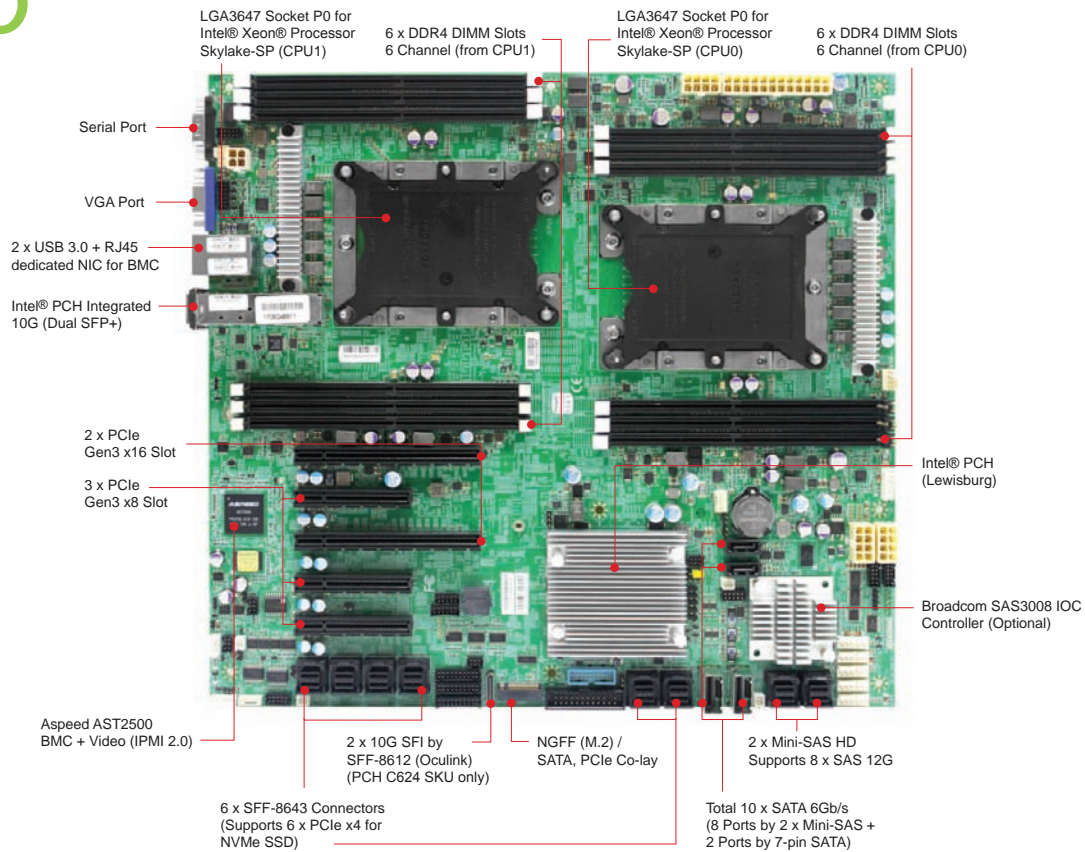


## SPECIFICATIONS

<b>System</b>	Processor Support	Intel® Haswell/Broadwell E5-1600 v3/v4 CPU
	Socket Type	Socket-R3 (LGA2011-3)
	System Chipset	Intel® C612 Chipset
	System Memory	<p>A) 4 x memory channels per CPU socket, 2 x DIMMs per channel</p> <p>B) 8 x DIMM slots support:                      DDR4 2400/2133 RDIMM/LRDIMM                      - up to 128GB RDIMM SRx4                      - up to 256GB RDIMM DRx4                      - up to 512GB LRDIMM QRx4                      - up to 1024GB LRDIMM 3DS 8Rx4</p> <p>C) Support NVDIMM feature</p>
Expansion Slots	<ul style="list-style-type: none"> <li>• One set of high-density connector supports PCIe Gen3 up to 40 lanes</li> <li>• 1 x internal PCIe Gen2 x4 slot</li> <li>• 2 x M.2 (2240) support PCIe Gen2 x1 + SATA 6.0Gb/s</li> </ul>	
<b>System BIOS</b>	BIOS Type	Insyde BIOS code @ 16MB Flash EEPROM
	BIOS Features	<ul style="list-style-type: none"> <li>• ACPI</li> <li>• PXE</li> <li>• WOL</li> <li>• AC loss recovery</li> <li>• IPMI KCS interface</li> <li>• SMBIOS</li> <li>• Serial console redirection</li> <li>• BIOS Recovery Mode</li> <li>• SRIOV</li> </ul>

<b>On-board Devices</b>	SATA	Built-in SATA controller with RAID support on Intel® C612 Chipset
	IPMI	Aspeed AST2400 Advanced PCIe Graphics & Remote Management Processor • Baseboard Management Controller • Intelligent Platform Interface 2.0 (IPMI 2.0) • iKVM, Media Redirection, IPMI over LAN, Serial over LAN
	Network Controller	<ul style="list-style-type: none"> <li>• Intel I350 AM2 Gigabit NIC support dual Giga LAN</li> <li>• Realtek RTL8201EL 10/100 Mbps Ethernet PHY for BMC dedicated management port</li> </ul>
	Graphics	Aspeed AST2400 Advanced PCIe Graphics & Remote Management Processor • PCIe VGA/2D Controller • 1920x1200@60Hz 32bpp
<b>Input/Output</b>	Serial ATA	8 x SATA 6.0Gb/s
	LAN	<ul style="list-style-type: none"> <li>• 2 x external RJ45 ports support 1GbE</li> <li>• 1 x external RJ45 port dedicated for BMC management</li> </ul>
	USB	<ul style="list-style-type: none"> <li>• 2 x USB 3.0 double-stake Type-A connectors</li> <li>• 1 x USB internal pin-header to support 2 x USB3.0/USB2.0</li> </ul>
	VGA	<ul style="list-style-type: none"> <li>• 1 x external VGA port</li> <li>• 1 x internal VGA pin-header (share with external VGA port)</li> </ul>
	Serial Port	<ul style="list-style-type: none"> <li>• 1 x external COM port</li> <li>• 1 x internal COM pin-header</li> </ul>

# VIRGO



## Dimensions

mm : 304.8 x 330.2  
 inches : 12 x 13



The Virgo server board offers the latest Intel® Xeon® Scalable Processors technology solutions with compelling performance and provides premium power efficiency, which is optimized for efficient performance platforms (storage, security and communications infrastructure).

By implementing Intel® Xeon® Scalable Processors, fully integrated microarchitecture, the Virgo server board delivers unmatched performance, providing six channels of DDR4 2400/2666 per socket, dual 10GbE SFP+ and optional internal connector to support configurable dual ports for 10GbE (KR/SFI/XFI) or 1GbE (KX), and optional Broadcom SAS3008 SAS IOC onboard.

Featured with ground breaking technologies including Intel® Next Generation Microarchitecture and Instruction Set (AVX-512, VMD, QAT - optional by PCH SKU), Speed Shift Technology, UPI link speeds up to 10.4GT/s, the Virgo server board enable next generation server solutions with an incredible leap in performance in a standard EATX form factor platform.

## Features :

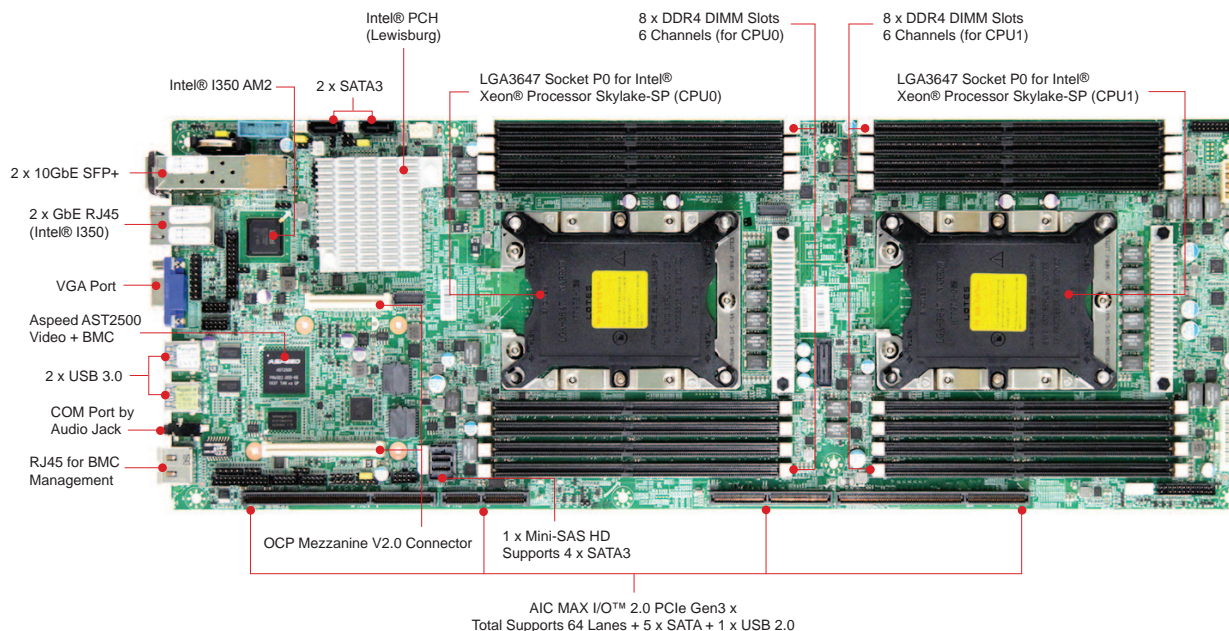
- Supports Intel® Xeon® Scalable Processors for highest server performance and improved power efficiency
- Supports 2 x PCIe Gen3 x16 slots + 3 x PCIe Gen3 x8 slots + 6 x SFF-8643 each supports PCIe Gen3 x4
- Supports one NGFF (M.2) with PCIe Gen3 x4 / SATA co-design
- Broadcom SAS3008 SAS/SATA I/O Controller for 12Gb/s SAS
- Onboard dual ports 10GbE SFP+ and optional two configurable ports support 10GbE (KR/SFI/XFI) or 1GbE (KX) by internal connector supported by Intel® Lewisburg PCH
- Onboard Baseboard Management Controller for system management and IPMI control
- Embedded components for 5+ year long life

## SPECIFICATIONS

<b>System</b>	Processor Support	Intel® Xeon® Scalable Processors (Platinum, Gold, Silver, Bronze)
	UPI Speeds	9.6 GT/s, 10.4 GT/s
	Socket Type	Socket P0 (LGA-3647 Socket)
	System Memory	A) 6 x memory channels per CPU, 1 x DIMM per channel B) 12 x DIMM slots support: DDR4 2666/2400 RDIMM/LRDIMM - up to 192GB RDIMM SRx4 - up to 384GB RDIMM DRx4 - up to 1536GB RDIMM 3DS 8Rx4 - up to 768GB LRDIMM QRx4 - up to 1536GB LRDIMM 3DS 8Rx4
Expansion Slots	<ul style="list-style-type: none"> <li>• 2 x PCIe Gen3 x16 slots</li> <li>• 3 x PCIe Gen3 x8 slots</li> <li>• 6 x SFF-8643 each supports PCIe Gen3 x4</li> <li>• 1 x NGFF (M.2) supports PCIe Gen3 x4 / SATA</li> </ul>	
<b>System BIOS</b>	BIOS Type	Insyde UEFI BIOS
	BIOS Features	<ul style="list-style-type: none"> <li>• ACPI</li> <li>• PXE</li> <li>• WOL</li> <li>• AC loss recovery</li> <li>• IPMI KCS interface</li> <li>• SMBIOS</li> <li>• Serial console redirection</li> <li>• BIOS Boot Specification</li> <li>• BIOS Recovery Mode</li> <li>• SRIOV</li> </ul>
<b>On-board Devices</b>	SATA	Intel® Lewisburg PCH on-chip solution • 8 x SATA 6.0 Gb/s (by 2 x mini-SAS) • 2 x SATA 6.0 Gb/s (by 2 x SATA 7 pin) • Broadcom SAS IOC SAS3008 supports up to 8 ports 12G SAS via 2 x mini-SAS HD (optional)
	IPMI	Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor • Baseboard Management Controller • Intelligent Platform Interface 2.0 (IPMI 2.0) • iKVM, Media Redirection, IPMI over LAN, Serial over LAN • SMASH Support • HTML5 • Redfish

<b>On-board Devices</b>	Network Controller	<ul style="list-style-type: none"> <li>• Intel® PCH (Lewisburg) Integrated 10GbE LAN Controller with dual SFP+ rear connectors</li> <li>• 2 x optional configurable ports support 10GbE (KR/SFI/XFI) or 1GbE (KX) by onboard header (optional by PCH C624 SKU)</li> <li>• Realtek RTL8211E GbE Ethernet for BMC dedicated management port</li> </ul>
	Graphics	Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor • PCIe VGA/2D Controller • 1920x1200@60Hz 32bpp
<b>Input/Output</b>	Serial ATA	<ul style="list-style-type: none"> <li>• 10 x SATA 6.0 Gb/s ports</li> <li>• 8 x SATA 6.0 Gb/s (by 2 x mini-SAS)</li> <li>• 2 x SATA 6.0 Gb/s (by 2 x SATA 7 pin)</li> </ul>
	LAN	<ul style="list-style-type: none"> <li>• 2 x 10GbE SFP+</li> <li>• 1 x internal SFF-8612 (Oculink) supports dual ports: 10G KR/SFI/XFI or 1G KX (optional by PCH C624 SKU)</li> <li>• 1 x GbE RJ45 dedicated to BMC management</li> </ul>
	USB	<ul style="list-style-type: none"> <li>• 2 x USB3.0 double-stack Type-A connectors</li> <li>• 1 x USB internal pin-header to support 2 x USB3.0/USB2.0</li> </ul>
	VGA	<ul style="list-style-type: none"> <li>• 1 x external VGA port</li> <li>• 1 x internal VGA pin-header (share with external VGA port)</li> </ul>
	Serial Port	<ul style="list-style-type: none"> <li>• 1 x external DB-9 COM port</li> <li>• 2 x internal COM pin-headers</li> </ul>
	Other	<ul style="list-style-type: none"> <li>• 1 x NGFF (M.2) supports PCIe Gen3 x4 / SATA</li> <li>• 1 x TPM 2.0 onboard</li> </ul>
	Additional Information	<ul style="list-style-type: none"> <li>• SAS (Optional)</li> <li>• 2 x mini-SAS HD (SFF-8643) support up to 8 ports SAS 12 Gb/s</li> </ul>

# PAVO



## Dimensions

mm : 485.5 x 172.7  
 inches : 19.2 x 6.8



The Pavo server board offers the latest Intel® Xeon® Scalable Processors technology solutions with compelling performance and provides premium power efficiency, which is optimized for efficient performance platforms (storage, security and communications infrastructure).

By implementing Intel® Xeon® Scalable Processors, fully integrated microarchitecture with AIC MAX I/O™ 2.0, which support up to 64 lanes of PCIe Gen3, Pavo server board can maximize your I/O intensive application demand, providing six channels per CPU with total sixteen DIMM slots deployment which can support up to DDR4 2400/2666MHz.

Featured with ground breaking technologies including Intel® Next Generation Microarchitecture and Instruction Set (AVX-512, VMD, QAT - optional by PCH SKU), Speed Shift Technology, UPI link speeds up to 10.4GT/s, the Pavo server board enable next generation server solutions with an incredible leap in performance.

## Features :

- Supports Intel® Xeon® Scalable Processors for highest server performance and improved power efficiency
- Supports 16 DDR4 DIMM slots for maximum memory performance
- AIC Max I/O™ supports 64 PCIe Gen3 lanes
- Supports one OCP Mezzanine V2.0 up to PCIe Gen3 x16 extension
- Onboard dual 10GbE SFP+ ports by Intel® Lewisburg PCH and dual GbE ports by Intel® Ethernet Controller I350
- Onboard Baseboard Management Controller for system management and IPMI control
- Embedded components for 5+ year long life
- Rackmount Technology Extension (RTX) form factor utilizes full internal chassis volume for optimum I/O configurations

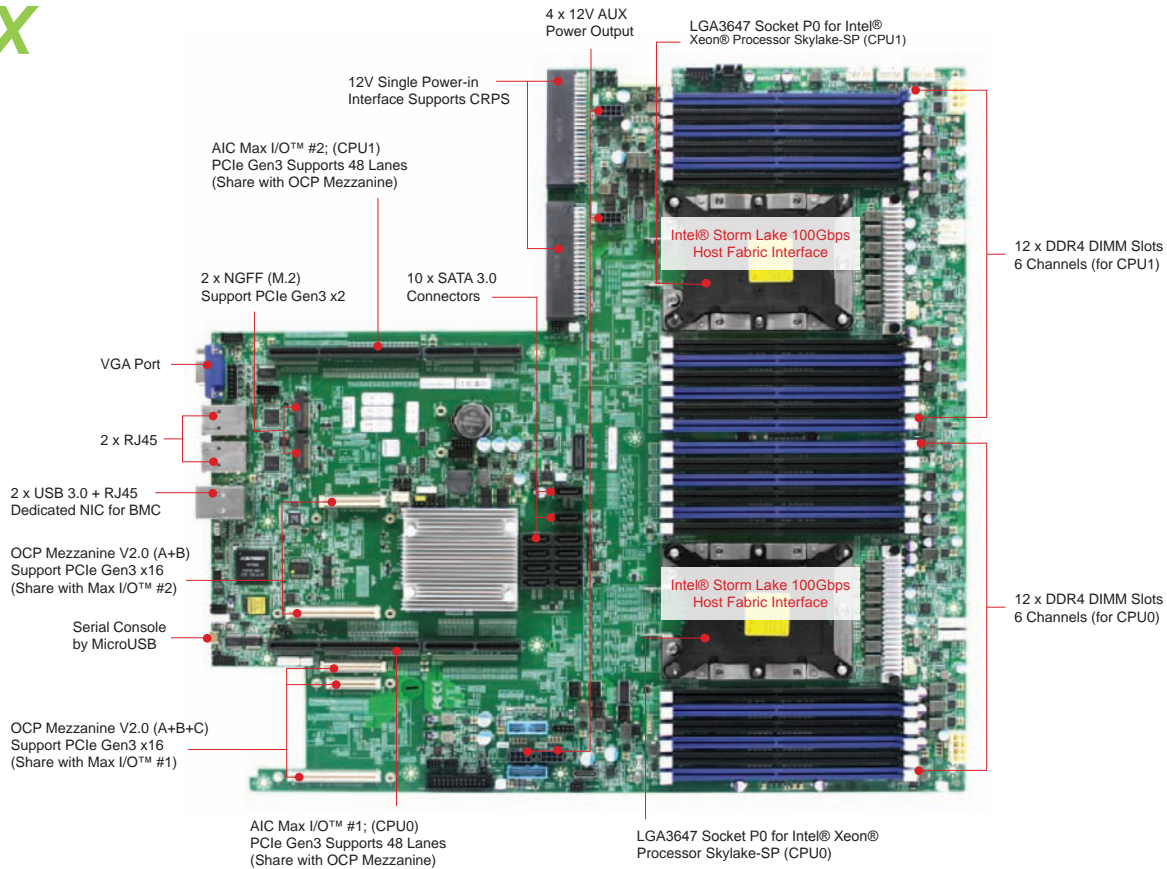


## SPECIFICATIONS

<b>System</b>	Processor Support	Intel® Xeon® Scalable Processors (Platinum, Gold, Silver, Bronze)
	UPI Speeds	9.6 GT/s, 10.4 GT/s
	Socket Type	Socket P0 (LGA-3647 Socket)
	System Memory	A) 6 x memory channels per CPU, 2 channels with 2DPC + 4 channels with 1DPC B) 16 x DIMM slots support: DDR4 2666/2400 RDIMM/LRDIMM - up to 256GB RDIMM SRx4 - up to 512GB RDIMM DRx4 - up to 2048GB RDIMM 3DS 8Rx4 - up to 1024GB LRDIMM QRx4 - up to 2048GB LRDIMM 3DS 8Rx4
Expansion Slots	<ul style="list-style-type: none"> <li>1 x AIC Max I/O™ supports: PCIe Gen3 total 64 lanes + 5 x SATA + 1 x USB2.0</li> <li>1 x OCP Mezzanine V2.0 support PCIe Gen3 x16</li> </ul>	
<b>System BIOS</b>	BIOS Type	Insyde UEFI BIOS
	BIOS Features	<ul style="list-style-type: none"> <li>ACPI</li> <li>PXE</li> <li>WOL</li> <li>AC loss recovery</li> <li>IPMI KCS interface</li> <li>SMBIOS</li> <li>Serial console redirection</li> <li>BIOS boot specification</li> <li>BIOS recovery mode</li> <li>SRIOV</li> </ul>
<b>On-board Devices</b>	SATA	Intel® Lewisburg PCH on-chip solution <ul style="list-style-type: none"> <li>4 x SATA 6.0 Gb/s (by 1 x mini-SAS HD) + 2 x SATA 6.0 Gb/s (by 2 x SATA 7 pin)</li> <li>5 x SATA 6.0 Gb/s by Max I/O;</li> </ul>
	IPMI	Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor <ul style="list-style-type: none"> <li>Baseboard Management Controller</li> <li>Intelligent Platform Interface 2.0 (IPMI 2.0)</li> <li>iKVM, Media Redirection, IPMI over LAN, Serial over LAN</li> <li>SMASH Support</li> <li>HTML5</li> <li>Redfish</li> </ul>

<b>On-board Devices</b>	Network Controller	<ul style="list-style-type: none"> <li>Intel® PCH (Lewisburg) Integrated 10GbE LAN Controller with dual SFP+ rear connectors</li> <li>Intel® I350 dual ports RJ45 rear connectors</li> <li>Realtek RTL8211E GbE Ethernet for BMC dedicated management port</li> </ul>
	Graphics	Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor <ul style="list-style-type: none"> <li>PCIe VGA/2D Controller</li> <li>1920x1200@60Hz 32bpp</li> </ul>
<b>Input/Output</b>	Serial ATA	<ul style="list-style-type: none"> <li>11 x SATA 6.0 Gb/s ports</li> <li>4 x SATA 6.0 Gb/s (by 1 x mini-SAS HD)</li> <li>2 x SATA 6.0 Gb/s (by 2 x SATA 7 pin)</li> <li>5 x SATA 6.0 Gb/s by Max I/O</li> </ul>
	LAN	<ul style="list-style-type: none"> <li>2 x 10GbE SFP+</li> <li>2 x GbE RJ45</li> <li>1 x GbE RJ45 dedicated to BMC management</li> </ul>
	USB	<ul style="list-style-type: none"> <li>2 x USB 3.0 Type-A connectors</li> <li>1 x USB internal pin-header to support 2 x USB3.0/USB2.0</li> <li>1 x USB internal pin-header to support 2 x USB 2.0</li> </ul>
	VGA	<ul style="list-style-type: none"> <li>1 x external VGA port</li> <li>1 x internal VGA pin-header (share with external VGA port)</li> </ul>
	Serial Port	<ul style="list-style-type: none"> <li>1 x external Audio Jack for COM port</li> <li>2 x internal COM pin-headers</li> </ul>
	Other	<ul style="list-style-type: none"> <li>1 x TPM 2.0 onboard</li> </ul>

# LYNX



## Dimensions

mm : 424.18 x 431.8  
inches : 16.7 x 17



The Lynx server board offers the latest Intel® Xeon® Scalable Processors technology solutions with compelling performance and provides premium power efficiency, which is optimized for efficient performance platforms (storage, security and communications infrastructure).

By implementing Intel® Xeon® Scalable Processors, fully integrated microarchitecture with AIC MAX I/O™ 2.0 which support up to 96 lanes of PCIe Gen3, Lynx server board can maximize your I/O intensive application demand, providing six channels per CPU with total twenty-four DIMM slots deployment which can support up to DDR4 2400/2666MHz.

Featured with ground breaking technologies including Intel® Next Generation Microarchitecture and Instruction Set (AVX-512, VMD, QAT - optional by PCH SKU), Speed Shift Technology, UPI link speeds up to 10.4GT/s, the Lynx server board enable next generation server solutions with an incredible leap in performance.

## Features :

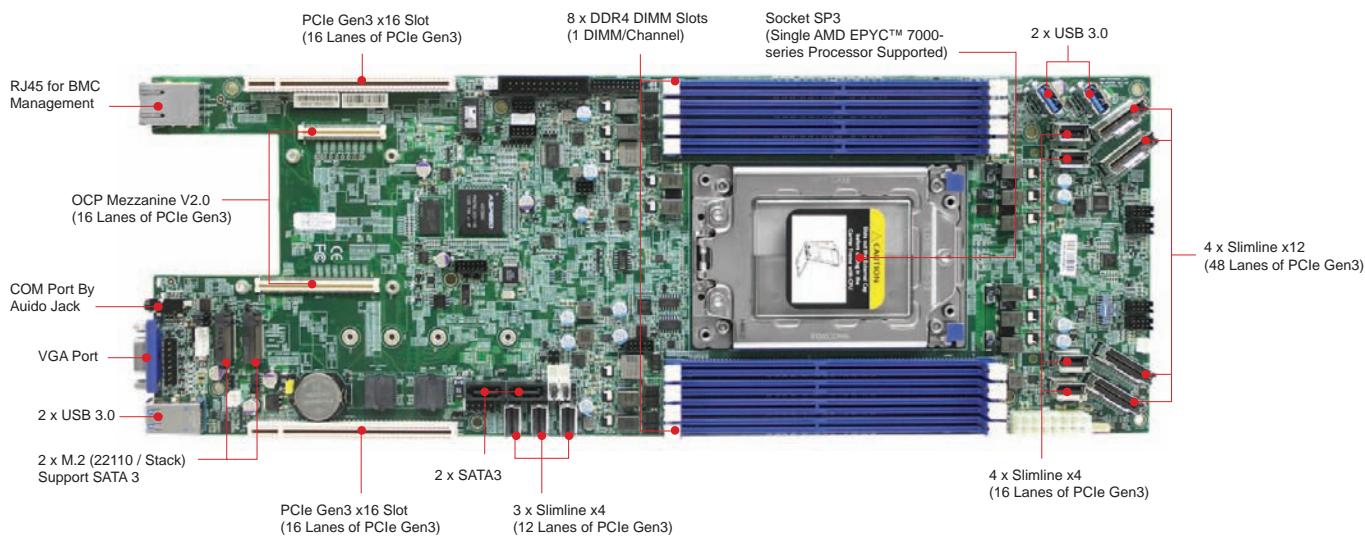
- Supports Intel® Xeon® Scalable Processors for highest server performance and improved power efficiency
- Supports 24 DDR4 DIMM slots for maximum memory performance
- AIC Max I/O™ supports up to 96 PCIe Gen3 lanes (48 lanes from CPU0 + 48 lanes from CPU1); both 16 lanes will be shared with OCP Mezzanine V2.0
- Supports two OCP Mezzanine V2.0 up to PCIe Gen3 x16 extension (shared from Max I/O™)
- Onboard dual GbE ports come from 2 x Intel® Ethernet Controller I210
- Supports two CRPS PSU direct connection for power input
- Onboard Baseboard Management Controller for system management and IPMI control
- Embedded components for 5+ year long life

## SPECIFICATIONS

<b>System</b>	Processor Support	<ul style="list-style-type: none"> <li>Intel® Xeon® Scalable Processors (Platinum, Gold, Silver, Bronze)</li> <li>Support Intel® Storm Lake 100Gbps Host Fabric Interface, Skylake-F SKU CPU</li> </ul>
	UPI Speeds	9.6 GT/s, 10.4 GT/s
	Socket Type	Socket P0 (LGA-3647 Socket)
	System Memory	<p>A) 6 x memory channels per CPU, 2 x DIMM per channel</p> <p>B) 24 x DIMM slots support:            DDR4 2666/2400 RDIMM/LRDIMM            - up to 384GB RDIMM SRx4            - up to 768GB RDIMM DRx4            - up to 3072GB RDIMM 3DS 8Rx4/QRx4            - up to 1536GB LRDIMM QRx4            - up to 3072GB LRDIMM 3DS 8Rx4/QRx4</p>
Expansion Slots	<p>2 x AIC Max I/O™ support:            PCIe Gen3 total 96 lanes;            (each 48 lanes from CPU0 &amp; CPU1)</p> <ul style="list-style-type: none"> <li>2 x OCP Mezzanine V2.0 support PCIe Gen3 \ x16 (share with Max I/O™)</li> <li>One of OCP Mezzanine supports KR (optional by PCH C624/C622 SKUs), as 10GbE (KR/SFI/XFI) or 1GbE (KX)</li> </ul>	
<b>System BIOS</b>	BIOS Type	Insyde UEFI BIOS
	BIOS Features	<ul style="list-style-type: none"> <li>ACPI</li> <li>PXE</li> <li>WOL</li> <li>AC loss recovery</li> <li>IPMI KCS interface</li> <li>SMBIOS</li> <li>Serial console redirection</li> <li>BIOS Boot Specification</li> <li>BIOS Recovery Mode</li> <li>SRIOV</li> </ul>

<b>On-board Devices</b>	SATA	<ul style="list-style-type: none"> <li>Intel® Lewisburg PCH on-chip solution</li> <li>10 x SATA 6.0 Gb/s</li> </ul>
	IPMI	<ul style="list-style-type: none"> <li>Aspeed AST2500 Advanced PCIe Graphics &amp; Remote Management Processor</li> <li>Baseboard Management Controller</li> <li>Intelligent Platform Interface 2.0 (IPMI 2.0)</li> <li>iKVM, Media Redirection, IPMI over LAN, Serial over LAN</li> <li>SMASH Support</li> <li>HTML5</li> <li>Redfish</li> </ul>
	Network Controller	<ul style="list-style-type: none"> <li>Two Intel I210 Ethernet Controller support dual port GbE RJ45 connectors</li> <li>Networking options provided via OCP Mezzanine extension</li> <li>Realtek RTL8201E 10/100Mbps Ethernet PHY for BMC dedicated management port</li> </ul>
	Graphics	<ul style="list-style-type: none"> <li>Aspeed AST2500 Advanced PCIe Graphics &amp; Remote Management Processor</li> <li>PCIe VGA/2D Controller</li> <li>1920x1200@60Hz 32bpp</li> </ul>
<b>Input/Output</b>	Serial ATA	10 x SATA 6.0 Gb/s ports
	LAN	<ul style="list-style-type: none"> <li>2 x GbE RJ45</li> <li>1 x 10/100M RJ45 dedicated to BMC management</li> </ul>
	USB	<ul style="list-style-type: none"> <li>2 x USB 3.0 Type-A connectors</li> <li>2 x USB internal pin-header to support total 4 x USB3.0/USB2.0</li> <li>1 x USB internal pin-header to support 2 x USB 2.0</li> </ul>
	VGA	<ul style="list-style-type: none"> <li>1 x external VGA port</li> <li>1 x internal VGA pin-header (share with external VGA port)</li> </ul>
	Serial Port	<ul style="list-style-type: none"> <li>1 x external Micro-USB type B for COM port</li> <li>2 x internal COM pin-headers</li> </ul>
	Others	<ul style="list-style-type: none"> <li>2 x NGFF (M.2) support PCIe Gen3 x2 / SATA</li> <li>1 x TPM 2.0 onboard</li> </ul>

# AURIGA



## Dimensions

mm : 431.8 x 152.4  
 inches : 17 x 6



The Auriga server board offers the latest AMD EPYC™ SoC technology which can support the highest core count in an x86-architecture with EPYC™ 7000-series processor, more main memory capacity and bandwidth with greater efficiency and greatest I/O density.

Auriga has I/O bandwidth that matches the capability of the CPU cores to move data to and from the network, spinning disks, NVMe storage, and graphics acceleration devices. By offering the parallelism to speed high performance computing environments, machine learning and predictive analysis benefit from the capability to process more data in memory and to accelerate computation with more direct GPU connectivity.

## Features :

- Supports AMD EPYC™ 7000-series processor based on the AMD "Zen" microarchitecture for highest server performance
- Supports 8 DDR4 DIMM slots for maximum memory performance
- Supports one OCP Mezzanine V2.0 up to PCIe Gen3 x16 extension
- Supports two PCIe Gen3 x16 slots
- Supports 4 slimline x12 + 7 slimline x4 connectors, total 76 PCIe Gen3 lanes
- Onboard Baseboard Management Controller for system management and IPMI control
- Embedded components for 5+ year long life
- Rackmount Technology Extension (RTX) form factor utilizes full internal chassis volume for optimum I/O configurations

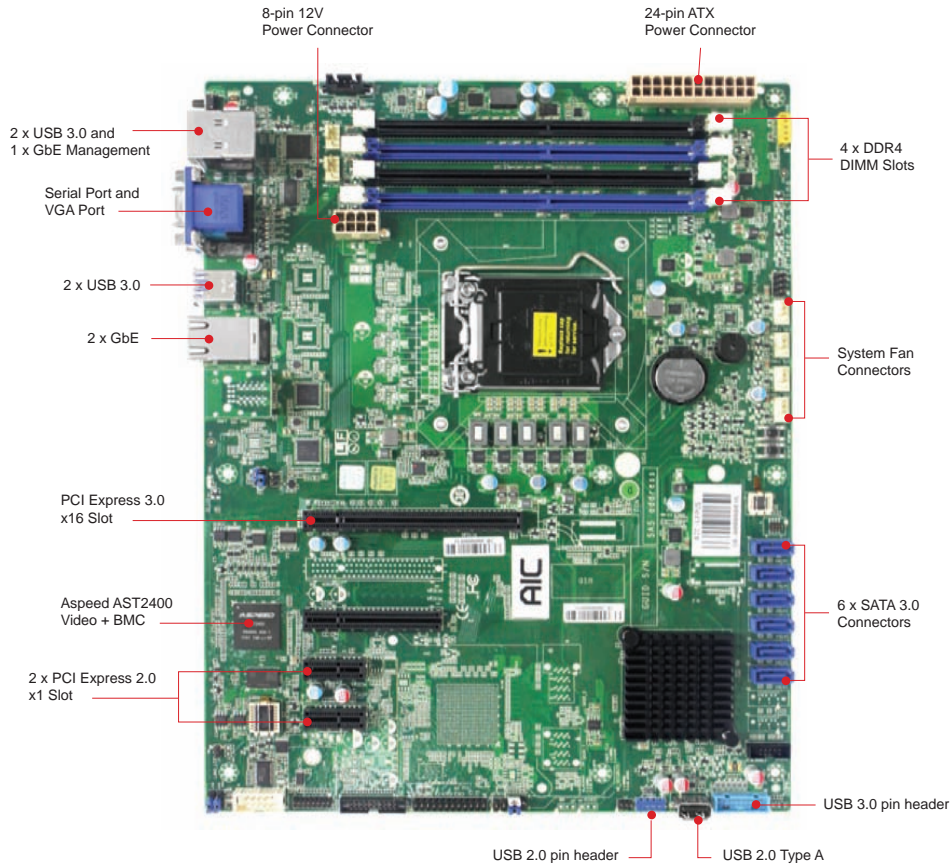


## SPECIFICATIONS

<b>System</b>	Processor Support	Single AMD EPYC™ 7000-series
	Socket Type	Socket SP3
	System Memory	A) 8 x memory channels, 1 x DIMM per channel B) 8 x DIMM slots support: DDR4 2666/2400 RDIMM/LRDIMM up to 1TB
	Expansion Slots	• 4 x slimline x12 + 7 x slimline x4 • 2 x PCIe Gen3 x16 slots • 1 x OCP Mezzanine V2.0 support PCIe Gen3 x16 Total support 124 lanes of PCIe Gen3
<b>System BIOS</b>	BIOS Type	Insyde UEFI BIOS
	BIOS Features	<ul style="list-style-type: none"> <li>• ACPI</li> <li>• PXE</li> <li>• IPMI KCS interface</li> <li>• SMBIOS</li> <li>• Serial console redirection</li> <li>• BIOS boot specification</li> <li>• BIOS recovery mode</li> </ul>
<b>On-board Devices</b>	SATA	AMD CPU Integrated I/O • 2 x SATA 6.0 Gb/s • 2 x SATA 6.0 Gb/s by M.2 (M-key) supports up to 22110

<b>On-board Devices</b>	IPMI	Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor • Baseboard Management Controller • Intelligent Platform Interface 2.0 (IPMI 2.0) • iKVM, Media Redirection, IPMI over LAN, Serial over LAN • HTML5 • Redfish
	Graphics	Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor • PCIe VGA/2D Controller • 1920x1200@60Hz 32bpp
<b>Input/Output</b>	Serial ATA	AMD CPU Integrated I/O • 2 x SATA 6.0 Gb/s • 2 x SATA 6.0 Gb/s by M.2 (M-key) supports up to 22110
	LAN	• 1 x GbE RJ45 dedicated to BMC management
	USB	• 2 x USB 3.0 Type-A connectors on rear I/O • 1 x USB 3.0/2.0 by onboard vertical type A connector
	VGA	• 1 x external VGA port • 1 x internal VGA pin-header (share with external VGA port)
	Serial Port	• 1 x external Audio Jack for COM port • 2 x internal COM pin-headers
	Others	• 1 x TPM 2.0 onboard

**LEPUS**



**Dimensions**

mm : 305 x 243.8  
 inches : 12 x 9.6



The Lopus implementing the next generation 14nm Intel® Xeon® processor E3-1200 v5/v6 series benefits of the Skylake processor and next generation architecture with available Gen3 PCI Express and more memory support in standard ATX form factor, offers compelling performance and improved power efficiency, which is optimized for efficient performance platforms (storage, security and communications infrastructure).

The Lopus series server board delivers unmatched performance, providing support with two channels of DDR4 2400/2133 ECC UDIMM, Up to 4x 1GBase-T, and optional Broadcom/LSI SAS 3008 IOC onboard. Lopus series server board enables next generation server solutions with an incredible leap in performance in a standard ATX form factor platform.

**Features :**

- Supports one Intel® Xeon® Processors E3-1200 v5/v6 product family, 6th generation Intel® Core™ i3 processor, Intel® Pentium® processor or Celeron® processor
- An optimal number of PCIe slots with one x16 (x8 lanes) and one x8
- Comes with a server-grade Intel® Ethernet Controller I210 to support up to 4GbE ports
- Onboard Baseboard Management Controller for system management and IPMI control

## SPECIFICATIONS

<b>System</b>	Processor Support	Intel® Xeon® processor E3-1200 v5/v6 family up to 80W
	Socket Type	Socket H3 (LGA-1151)
	System Chipset	Intel® C232 Series PCH
	System Memory	<ul style="list-style-type: none"> <li>• 4 x DIMM slots support DDR4 2400/2133 ECC UDIMM</li> <li>• Up to 64GB capacity</li> </ul>
	Expansion Slots	<ul style="list-style-type: none"> <li>• 1 x PCIe x16 (CPU, x8 link)</li> <li>• 1 x PCIe x8 (CPU, optional for non-IOC SKU)</li> <li>• 2 x PCIe x1 (PCH)</li> </ul>
<b>System BIOS</b>	BIOS Type	AMI BIOS code @ 16MB Flash EEPROM
	BIOS Features	<ul style="list-style-type: none"> <li>• ACPI 1.0/2.0/3.0</li> <li>• PXE 2.0</li> <li>• WOL</li> <li>• AC loss recovery</li> <li>• IPMI KCS interface</li> <li>• SMBIOS 2.0</li> <li>• Serial console redirection</li> <li>• BIOS Boot Specification</li> <li>• BIOS Recovery Mode</li> <li>• SRIOV</li> </ul>
<b>On-board Devices</b>	SATA	Built-in SATA controller with RAID support on Intel® C232 PCH
	SAS	Optional Broadcom/LSI SAS 3008 IOC

<b>On-board Devices</b>	IPMI	Aspeed AST2400 Advanced PCIe Graphics & Remote Management Processor <ul style="list-style-type: none"> <li>• Baseboard Management Controller</li> <li>• Intelligent Platform Interface 2.0 (IPMI 2.0)</li> <li>• iKVM, Media Redirection, IPMI over LAN, Serial over LAN</li> <li>• SMASH Support</li> </ul>
	Network	<ul style="list-style-type: none"> <li>• 2 x Intel® Ethernet Controller I210 GbE</li> <li>Optional: 2 x Intel® Ethernet Controller I210 for quad port GbE (BTO)</li> <li>• BCM5221 PHY for BMC dedicated management port</li> </ul>
	Graphics	Aspeed AST2400 Advanced PCIe Graphics & Remote Management Processor <ul style="list-style-type: none"> <li>• PCIe VGA/2D Controller</li> <li>• 1920x1200@60Hz 32bpp</li> </ul>
<b>Input/Output</b>	Serial ATA	6 x SATA 6.0Gb/s
	SAS	8 x SAS 12Gb/s (by 2x MiniSAS HD/SFF8643)
	LAN	<ul style="list-style-type: none"> <li>• 2 x external RJ45 ports support 1 GbE</li> <li>• Optional 2 x external RJ45 ports support 1 GbE (BTO)</li> <li>• 1 x GbE RJ45 dedicated for BMC management</li> </ul>
	USB	<ul style="list-style-type: none"> <li>• 4 x USB 3.0 double-stake Type-A connectors</li> <li>• 2 x USB internal pin-header to support 2 x USB 3.0</li> <li>• 2 x USB internal pin-header to support 2 x USB 2.0</li> <li>• 1 x USB internal TYPE-A to support 2 x USB 2.0</li> </ul>
	VGA	1 x external VGA port
	Serial Port	<ul style="list-style-type: none"> <li>• 1 x external DB-9 COM port</li> <li>• 1 x internal COM pin-header</li> </ul>
	Others	Debug display pin-header, GPIO port IPMB pin-header, Chassis intrusion

APPLICATIONS : Telephony / Telecom / VoIP • Network / Security Appliance • Military Application • Firewall / VPN

## RMC-1E



### Features :

- Front ventilation for superior cooling
- Front access dual USB ports
- 1 x blower fan for CPU cooling  
(See specs for more options)
- Short depth design for space critical application
- Equipped with 250W power supply

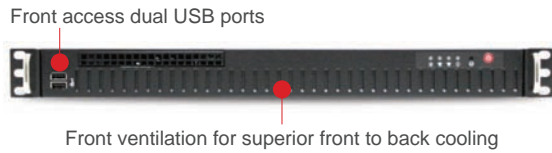
### SPECIFICATIONS

<b>Dimensions</b> (W x D x H)	mm : 427 x 381 x 44.4	
	inches : 16.8 x 15 x 1.75	
<b>Industry Standard</b>	EIA-RS310D	
<b>Material</b>	Heavy-duty preplated SPGC cold-rolled steel	
<b>Color</b>	Front Panel : Black	
<b>Cooling</b>	Standard	Front : 1 x 97mm blower
	Options	3 x 40x20mm fans
		3 x 40x28mm fans
		2 x 40x56mm fans
<b>Power Supply</b>	Standard	250W single PSU
	Option	300W single PSU 80+
<b>Expansion Slot</b>	1 full height via riser card	
<b>Front Panel</b>	Power on/off, system reset, and 2 x USB ports	
<b>LED Indicators</b>	Power, LAN, and Drive	

<b>System Board</b>	Up to 12"(W) x 9.6"(D) ATX compliant MB		
<b>Drive Bays</b>	Internal	3.5"	2
	Peripheral Drive	Slim DVD-ROM	1
<b>Storage Temperature</b>	0°C(32°F) ~ 50°C(122°F)		
<b>Humidity</b>	5%~95% non-condensing		
<b>Gross Weight</b>	(w/ PSU; w/o Rail)	kgs : 7	
		lbs : 15.4	
<b>Packaging Dimensions</b>	(W x D x H)	mm : 548 x 574 x 173	
		inches : 21.6 x 22.6 x 6.8	
<b>Cubic Feet</b>	1.9		
<b>Container Load Quantity</b>	20'	500	
	40'	1025	
	40' H	1235	
<b>Mounting</b>	Options	20" friction slides	
		26" friction slides	



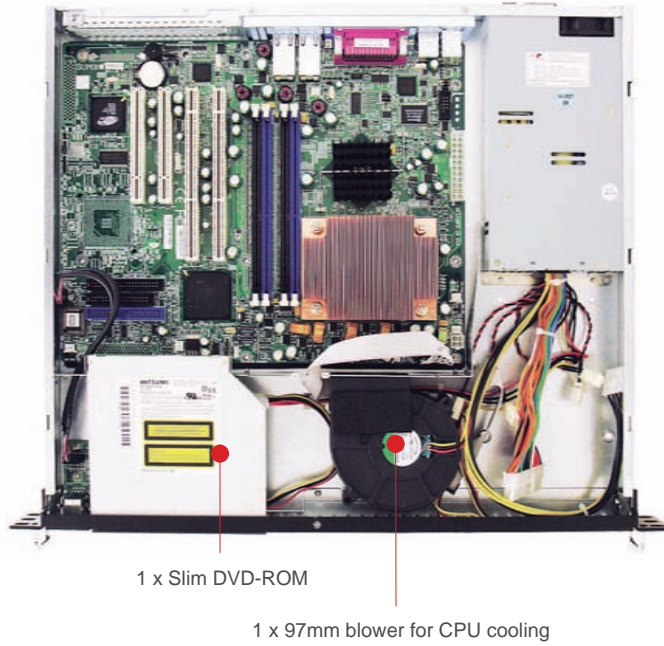
FRONT VIEW



REAR VIEW

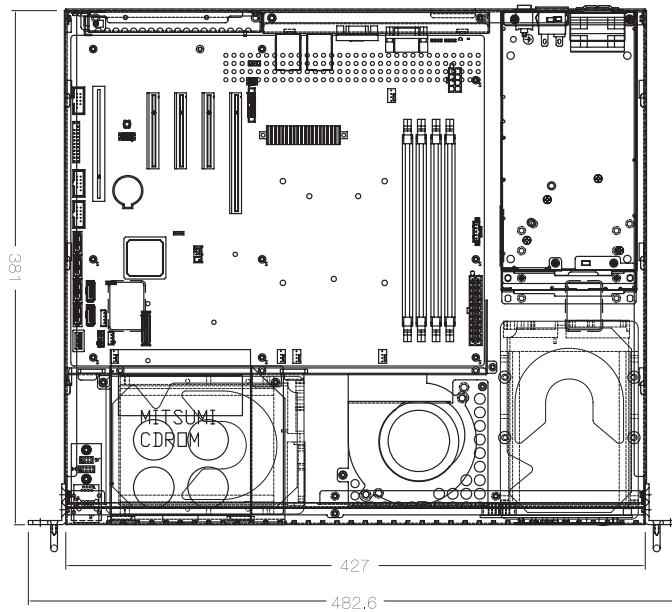


TOP VIEW



Power supply is included. Motherboard is not included.

MECHANICAL DRAWING



12G SAS JBOD

NVMe JBOD

General Purpose Server Solution

High Availability Server Solution

Storage Server Solution

Flash Barebone Server Solution

Telco Appliance Server Solution

Server Board

Rackmount Chassis

Modular Chassis

Rackmount Storage Chassis

**APPLICATIONS :** Internet Server (Web / Mail) • Telephony / Telecom / VoIP • Network / Security Appliance • Military Application • Firewall / VPN • HPC Clustering • File Server

## RMC-1T



### Features :

- Front access USB port
- 2 x easy swap middle fans + 2 x rear fans for superior cooling (Up to 7 fans)
- Supports MB form factor up to ATX/SSI EEB

### SPECIFICATIONS

<b>Dimensions</b> (W x D x H)	mm : 437 x 533.4 x 44	
	inches : 17.2 x 21 x 1.7	
<b>Industry Standard</b>	EIA-RS310D	
<b>Material</b>	Heavy-duty preplated SPGC cold-rolled steel	
<b>Color</b>	Front Panel : Black	
<b>Cooling</b>	Standard	Middle : 2 x 40x28mm easy swap fans Rear : 2 x 40x28mm fans
	Add-on	Middle : 3 x 40x28mm fans
<b>Power Supply</b>	Options	300W single PSU
		400W single PSU
<b>Expansion Slot</b>	1 full height & reversible via riser card	
<b>Front Panel</b>	Power on/off, system reset and 1 x USB port	
<b>LED Indicators</b>	Power, LAN and Drive	
<b>System Board</b>	Up to 12"(W) x 10.5"(D) ATX/SSI CEB compliant MB	

<b>Drive Bays</b>	External	5.25"	1
		3.5"	1
	Internal	3.5"	1
<b>Storage Temperature</b>	0°C(32°F) ~ 50°C(122°F)		
<b>Humidity</b>	5%~95% non-condensing		
<b>Gross Weight</b>	(w/ PSU; w/o Rail)	kgs : 10	
		lbs : 22	
<b>Packaging Dimensions</b>	(W x D x H)	mm : 577 x 688 x 178	
		inches : 22.7 x 27 x 7	
<b>Cubic Feet</b>	2.4		
<b>Container Load Quantity</b>	20'	395	
	40'	810	
	40' H	980	
<b>Mounting</b>	Options	20" friction slides	
		26" friction slides	

FRONT VIEW

Front access USB port



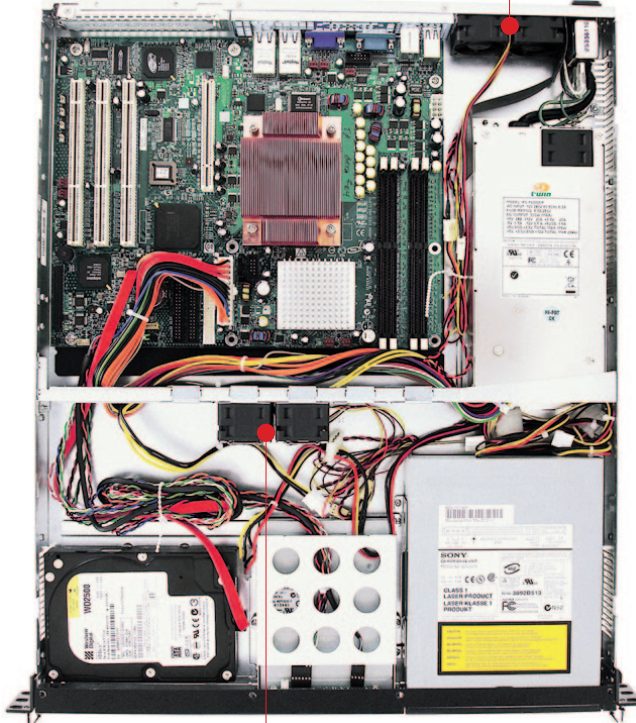
REAR VIEW

1 x slot via riser card



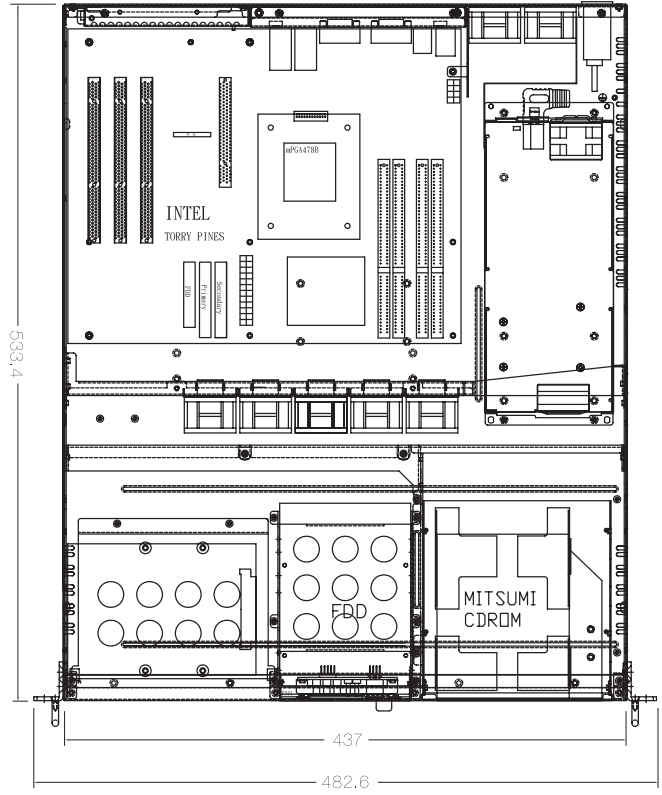
TOP VIEW

2 x 4028 rear fans



2 x 4028 easy swap middle fans (Up to 5)

MECHANICAL DRAWING



Power supply is optional. Motherboard is not included.

12G SAS JBOD

NVMe JBOD

General Purpose Server Solution

High Availability Server Solution

Storage Server Solution

Flash Barebone Server Solution

Telco Appliance Server Solution

Server Board

Rackmount Chassis

Modular Cansisters

Rackmount Storage Chassis

## RMC-2A



### Features :

- Front access dual USB ports
- 2 x middle fans + 1 x rear blower fan for superior cooling
- Includes riser card mounting bracket
- 3 x full height or 7 x low profile expansion slots
- Short depth design for space critical application

### SPECIFICATIONS

<b>Dimensions</b> (W x D x H)	mm : 427 x 431.8 x 88	
	inches : 16.8 x 17 x 3.5	
<b>Industry Standard</b>	EIA-RS310D	
<b>Material</b>	Heavy-duty cold-rolled steel	
<b>Color</b>	Black	
<b>Cooling</b>	Middle : 2 x 80x25mm fans	
	Rear : 1 x 97mm blower	
<b>Power Supply</b>	Options	300W single PSU
		400W single PSU
<b>Expansion Slots</b>	Options	3 full height via riser card
		7 low profile
<b>Front Panel</b>	Power on/off, system reset and 2 x USB ports	
<b>LED Indicators</b>	Power, LAN and Drive	
<b>System Board</b>	Up to 12"(W) x 9.6"(D) ATX compliant MB	

<b>Drive Bays</b>	External	5.25"	1
		3.5"	1
	Internal	3.5"	3
	Peripheral Drive	Slim DVD-ROM	1
<b>Storage Temperature</b>	0°C(32°F) ~ 50°C(122°F)		
<b>Humidity</b>	5%~95% non-condensing		
<b>Gross Weight</b>	(w/ PSU; w/o Rail)	kgs : 12.7	
		lbs : 28	
<b>Packaging Dimensions</b>	(W x D x H)	mm : 588 x 598 x 248	
		inches : 23.1 x 23.5 x 9.8	
<b>Cubic Feet</b>	2.8		
<b>Container Load Quantity</b>	20'	340	
	40'	695	
	40' H	940	
<b>Mounting</b>	Options	20" slide rail	
		26" slide rail	



FRONT VIEW



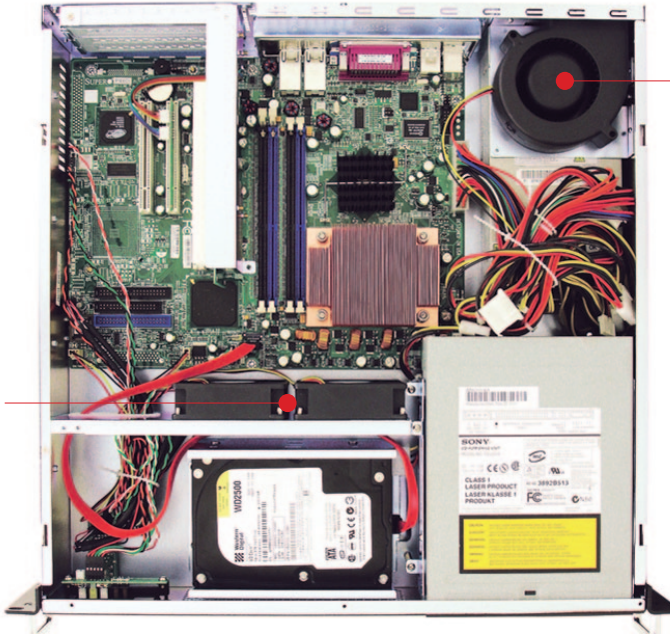
Front access dual USB ports

REAR VIEW



3 x slots

TOP VIEW

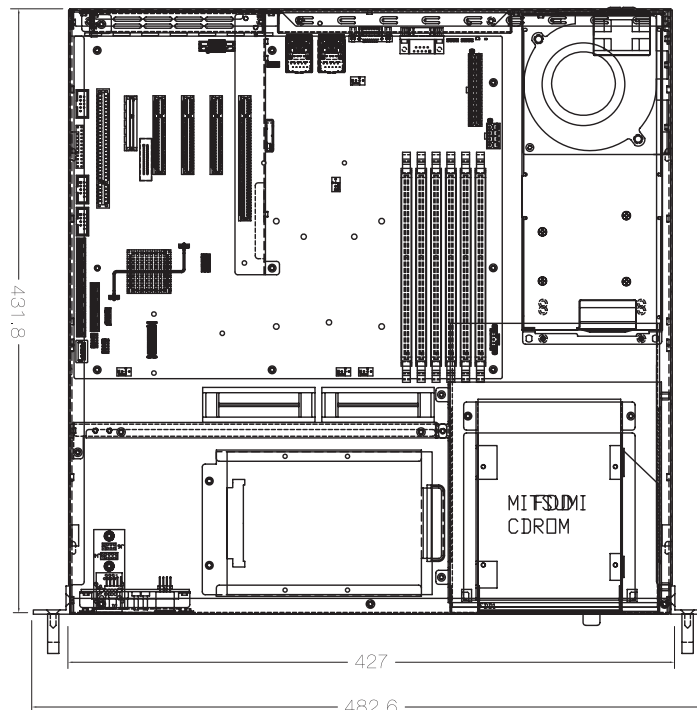


2 x 8025 middle fans

1 x 97mm rear blower fan

Power supply is optional. Motherboard is not included.

MECHANICAL DRAWING



12G SAS JBOD

NVMe JBOD

General Purpose Server Solution

High Availability Server Solution

Storage Server Solution

Flash Barebone Server Solution

Telco Appliance Server Solution

Server Board

Rackmount Chassis

Modular Cansisters

Rackmount Storage Chassis

**APPLICATIONS :** Internet Server (Web / Mail) • CCTV Surveillance DVR • HPC Clustering • Database Server • File Server • NAS / iSCSI

## RMC-2F



### Features :

- Front access dual USB ports
- 3 x easy swap middle fans for cooling (Up to 6 fans)
- Supports single or redundant power supply
- Includes riser card mounting bracket
- 3 x full height or 7 x low profile expansion slots

### SPECIFICATIONS

<b>Dimensions</b> (W x D x H)	mm : 427 x 685.8 x 88	
	inches : 16.8 x 27 x 3.5	
<b>Industry Standard</b>	EIA-RS310D	
<b>Material</b>	Heavy-duty preplated SPGC cold-rolled steel	
<b>Color</b>	Black	
<b>Cooling</b>	Standard	Middle : 2 x 80x32mm + 1 x 40x28mm easy swap fans
	Add-on	Middle : 3 x 40x28mm fans for upgrade
<b>Power Supply</b>	Options	460W single PSU
		510W single PSU
		650W single PSU
		460W 1+1 hot swap redundant PFC
		500W 1+1 hot swap redundant PFC
		600W 1+1 hot swap redundant PFC
<b>Expansion Slots</b>	Options	3 full height via riser card
		7 low profile

<b>Front Panel</b>	Power on/off, system reset and 2 x USB ports		
<b>LED Indicators</b>	Power, LAN and Drive		
<b>System Board</b>	Up to 12"(W) x 13"(D) E-ATX/SSI EEB 3.6 compliant MB		
<b>Drive Bays</b>	External	5.25"	4
		3.5"	1
	Internal	3.5"	1
<b>Storage Temperature</b>	0°C(32°F) ~ 50°C(122°F)		
<b>Humidity</b>	5%~95% non-condensing		
<b>Gross Weight</b>	(w/o PSU & Rail)	kgs : 15	
		lbs : 33	
<b>Packaging Dimensions</b>	(W x D x H)	mm : 588 x 852 x 259	
		inches : 23.1 x 33.5 x 10.2	
<b>Cubic Feet</b>	4.6		
<b>Container Load Quantity</b>	20'	205	
	40'	425	
	40' H	510	
<b>Mounting</b>	Options	20" slide rail	
		26" slide rail	

FRONT VIEW



Front access dual USB ports

Front bezel



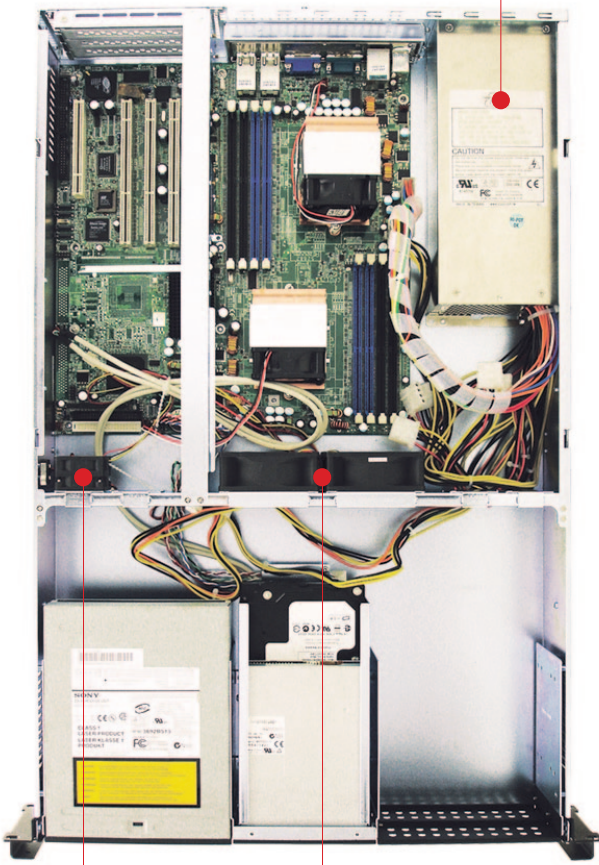
REAR VIEW



3 x slots

TOP VIEW

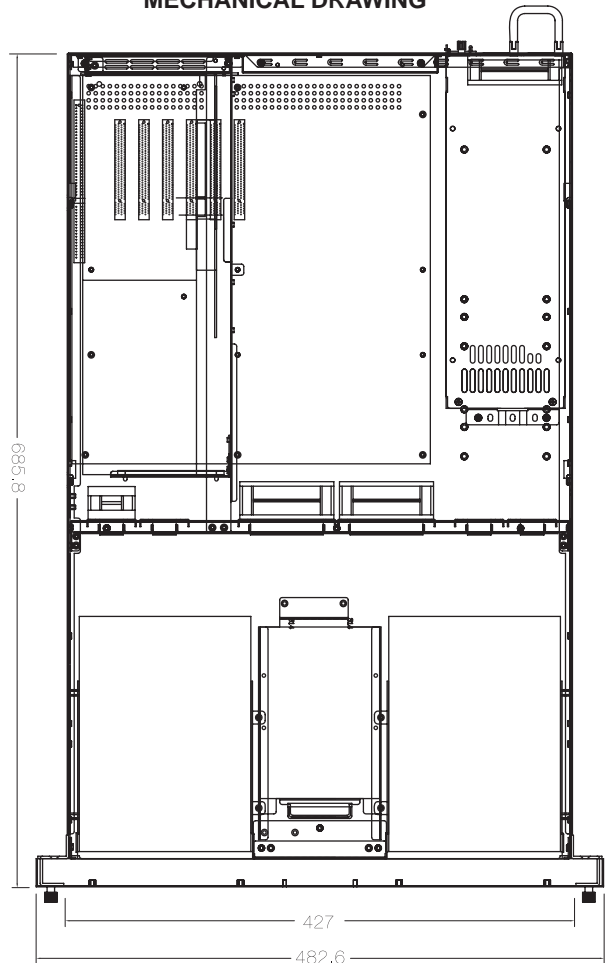
Single or redundant power supply



2 x 8032 + 1 x 4028 easy swap middle fans  
(Up to 6 fans)

Power supply is optional. Motherboard is not included.

MECHANICAL DRAWING



- 12G SAS JBOD
- NVMe JBOD
- General Purpose Server Solution
- High Availability Server Solution
- Storage Server Solution
- Flash Backbone Server Solution
- Telco Appliance Server Solution
- Server Board
- Rackmount Chassis
- Modular Chassis
- Rackmount Storage Chassis

**APPLICATIONS :** Internet Server (Web / Mail) • Firewall/VPN • File Server

## RMC-2H



### Features :

- Front access dual USB ports
- 3 x easy swap middle fans for superior cooling
- Supports single or redundant power supply
- Supports 7 x 3.5" internal + 1 x 5.25" or 9 x 3.5" internal drive bays
- 3 x full height or 7 x low profile expansion slots

### SPECIFICATIONS

<b>Dimensions</b> (W x D x H)	mm : 427 x 574 x 88	
	inches : 16.8 x 22.6 x 3.5	
<b>Industry Standard</b>	EIA-RS310D	
<b>Material</b>	Heavy-duty preplated SPGC cold-rolled steel	
<b>Color</b>	Front Panel : Black	
<b>Cooling</b>	Middle : 3 x 80x25mm fans	
<b>Power Supply</b>	Options	400W single PSU
		500W single PSU
		500W 1+1 redundant PSU
<b>Expansion Slots</b>	Options	3 full height via riser card
		7 low profile
<b>Front Panel</b>	Power on/off, system reset and 2 x USB ports	
<b>LED Indicators</b>	Power, LAN and Drive	
<b>System Board</b>	Up to 12"(W) x 10.5"(D) MB	

<b>Drive Bays</b>	External	5.25"	Standard : 1 x 5.25" + 7 x 3.5"
	Internal	3.5"	Option : 9 x 3.5" by replacing the 5.25" with a 2-bay 3.5" drive cage
<b>Storage Temperature</b>	0°C(32°F) ~ 50°C(122°F)		
<b>Humidity</b>	5%~95% non-condensing		
<b>Gross Weight</b>	(w/o PSU & Rail)	kgs : 12	
		lbs : 26.5	
<b>Packaging Dimensions</b>	(W x D x H)	mm : 572 x 765 x 224	
		inches : 22.5 x 30.1 x 8.8	
<b>Cubic Feet</b>	3.2		
<b>Container Load Quantity</b>	20'	295	
	40'	606	
	40' H	731	
<b>Mounting</b>	Options	20" slide rail	
		26" slide rail	



FRONT VIEW



Front access dual USB ports

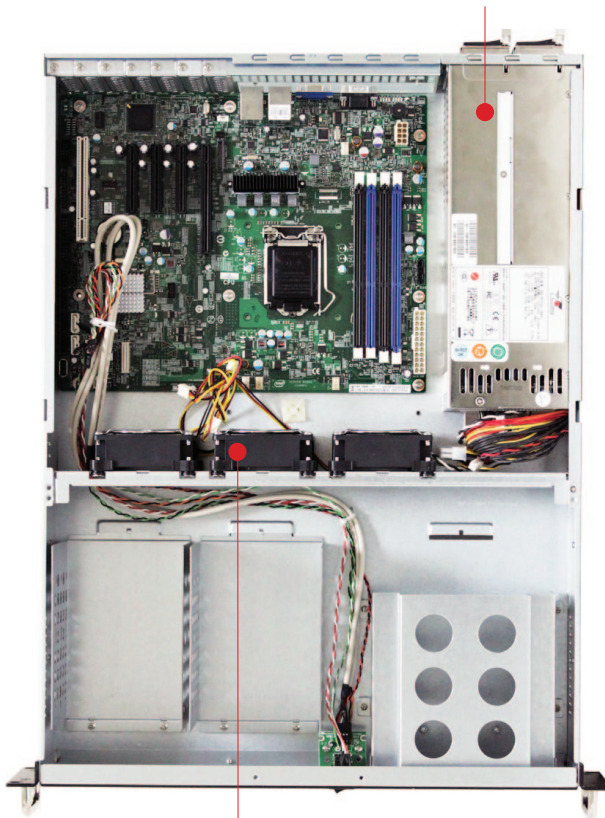
REAR VIEW



7 x low profile slots

TOP VIEW

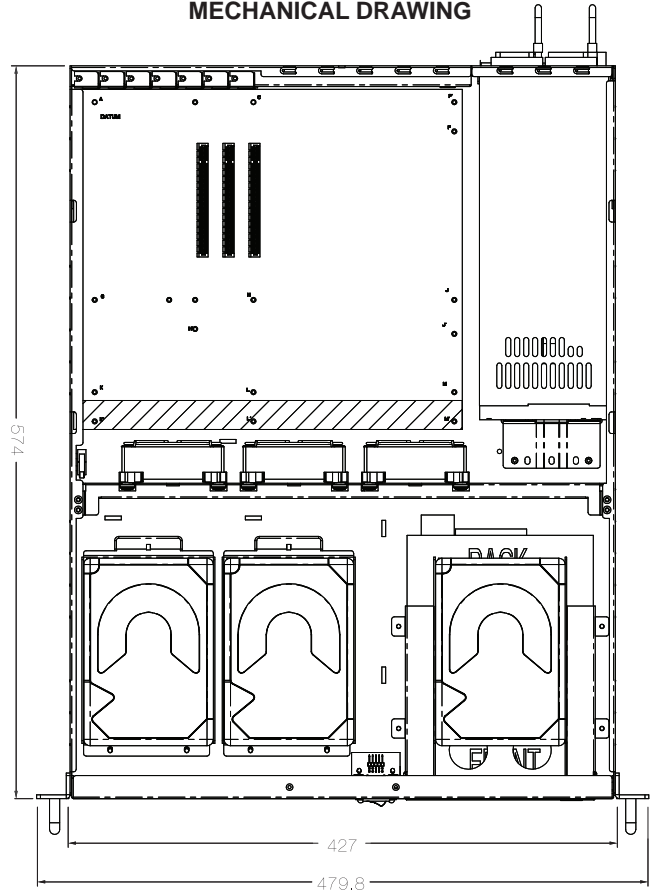
Single or redundant power supply



3 x 8025 easy swap middle fans

Power supply is optional. Motherboard is not included.

MECHANICAL DRAWING



12G SAS JBOD

NVMe JBOD

General Purpose Server Solution

High Availability Server Solution

Storage Server Solution

Flash Barebone Server Solution

Telco Appliance Server Solution

Server Board

Rackmount Chassis

Modular Chassis

Rackmount Storage Chassis

**APPLICATIONS :** Internet Server (Web / Mail) • CCTV Surveillance DVR • File Server • NAS / iSCSI

## RMC-2N



### Features :

- Front access dual USB ports
- 3 x easy swap middle fans for superior cooling (Up to 6 fans)
- Supports single or redundant power supply
- Rear access power supply alarm reset button (For redundant power supply only)
- 3 x full height or 7 x low profile expansion slots

### SPECIFICATIONS

<b>Dimensions</b> (W x D x H)	mm : 427 x 575.4 x 88	
	inches : 16.8 x 22.7 x 3.5	
<b>Industry Standard</b>	EIA-RS310D	
<b>Material</b>	Heavy-duty preplated SPGC cold-rolled steel	
<b>Color</b>	Black	
<b>Cooling</b>	Standard	Middle : 2 x 80x25mm + 1 x 40x28mm easy swap fans
	Add-on	Middle : 3 x 40x28mm fans
<b>Power Supply</b>	Options	300W single PSU
		400W single PSU
		460W single PSU
		600W 1+1 hot swap redundant PFC
<b>Expansion Slots</b>	Options	3 full height via riser card
		7 low profile
<b>Front Panel</b>	Power on/off, system reset and 2 x USB ports	
<b>LED Indicators</b>	Power, LAN, and Drive	

<b>System Board</b>	Up to 12"(W) x 10.5"(D) ATX/SSI CEB compliant MB		
<b>Drive Bays</b>	External	5.25"	4
		3.5"	1
	Internal	3.5"	1
<b>Storage Temperature</b>	0°C(32°F) ~ 50°C(122°F)		
<b>Humidity</b>	5%~95% non-condensing		
<b>Gross Weight</b>	(w/o PSU & Rail)	kgs : 13	
		lbs : 28.7	
<b>Packaging Dimensions</b>	(W x D x H)	mm : 588 x 764 x 272	
		inches : 23.1 x 30 x 10.7	
<b>Cubic Feet</b>	3.7		
<b>Container Load Quantity</b>	20'	255	
	40'	525	
	40' H	635	
<b>Mounting</b>	Options	20" slide rail	
		26" slide rail	

FRONT VIEW



Front access dual USB ports

Front bezel



REAR VIEW

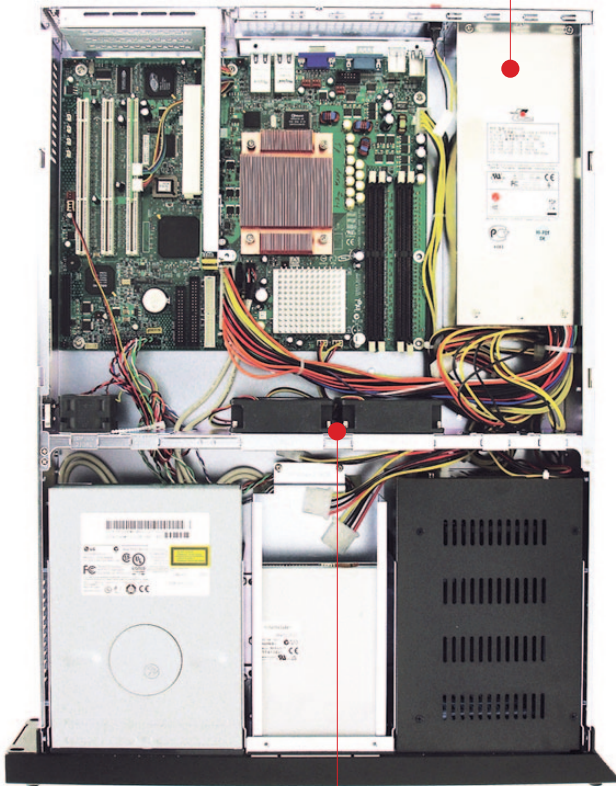
Rear access power supply alarm reset button



3 x slots

TOP VIEW

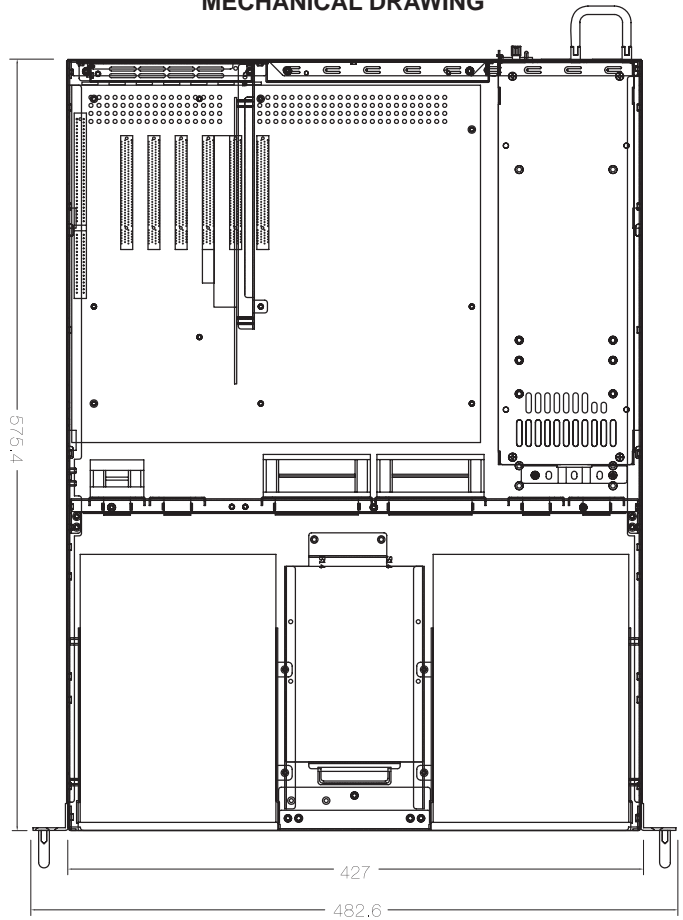
Single or redundant power supply



2 x 8025 + 1 x 4028 easy swap middle fans - (Up to 6 fans)

Power supply is optional. Motherboard is not included.

MECHANICAL DRAWING



APPLICATIONS : NAS / iSCSI • File Server • Database Server • Web Server • Surveillance

## RMC-2S



### Features :

- Support single and redundant power supply
- Easy swap middle fans
- 4 slot low profile
- Short depth design for space critical applications

### SPECIFICATIONS

<b>Dimensions</b> (W x D x H)	mm : 427 x 430 x 88		
	inches : 16.8 x 17 x 3.5		
<b>Industry Standard</b>	EIA-RS310D		
<b>Material</b>	SGCC		
<b>Color</b>	Front Panel : Black		
<b>Cooling</b>	Middle : 2 x 8025 (3P) cooling fans		
<b>Power Supply</b>	Standard	PS2 type power supply	
<b>Expansion Slot</b>	4 low profile		
<b>Front Panel</b>	System power switch, System reset switch and USB3.0		
<b>LED Indicators</b>	System power, LAN 1, LAN 2 and HDD		
<b>System Board</b>	Up to 9.6" x 9.6" mATX MB		
<b>Drive Bays</b>	External	5.25"	1
		3.5"	1
	Internal	3.5"	3

<b>Backplanes</b>	2 bay 7mm HD	
<b>Storage Temperature</b>	0°C(32°F) ~ 50°C(122°F)	
<b>Humidity</b>	5%~95% non-condensing	
<b>Gross Weight</b>	(w/ PSU & Rail)	kgs : 10
		lbs : 22
<b>Packaging Dimensions</b>	(W x D x H)	mm : 575 x 610 x 228
		inches : 22.6 x 24 x 9
<b>Cubic Feet</b>	2.83	
<b>Container Load Quantity</b>	20'	355
	40'	708
	40' H	850
<b>Mounting</b>	Standard	20" slide rail



FRONT VIEW



REAR VIEW

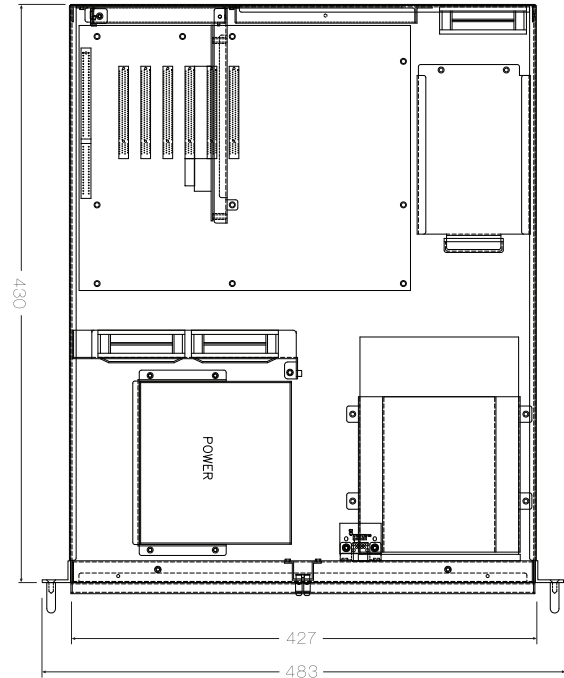


TOP VIEW



Power supply is included. Motherboard is not included.

MECHANICAL DRAWING



12G SAS JBOD

NVMe JBOD

General Purpose Server Solution

High Availability Server Solution

Storage Server Solution

Flash Barebone Server Solution

Telco Appliance Server Solution

Server Board

Rackmount Chassis

Modular Cansiers

Rackmount Storage Chassis

**APPLICATIONS :** Internet Server (Web / Mail) • Firewall / VPN • File Server

## RMC-2T



### Features :

- Front access dual USB ports
- Superior cooling through front air intake
- Supports PS2 power supply
- 2 x middle fans + 1 x rear fan for superior cooling
- 3 x full height or 7 x low profile expansion slots

### SPECIFICATIONS

<b>Dimensions</b> (W x D x H)	mm : 427 x 530 x 88	
	inches : 16.8 x 20.9 x 3.5	
<b>Industry Standard</b>	EIA-RS310D	
<b>Material</b>	Heavy-duty preplated SPGC cold-rolled steel	
<b>Color</b>	Front Panel : Black	
<b>Cooling</b>	Middle : 2 x 80x25mm fans	
	Rear : 1 x 80x25mm fan	
<b>Power Supply</b>	Standard PS2 PSU	
<b>Expansion Slots</b>	Options	3 full height via riser card
		7 low profile
<b>Front Panel</b>	Power on/off, system reset and 2 x USB ports	
<b>LED Indicators</b>	Power, LAN and Drive	
<b>System Board</b>	Up to 12"(W) x 10.5"(D) ATX/SSI CEB compliant MB	

<b>Drive Bays</b>	External	5.25"	Standard : 1 x 5.25" + 4 x 3.5"
	Internal	3.5"	Option : 6 x 3.5" by replacing the 5.25" with a 2-bay 3.5" drive cage
<b>Storage Temperature</b>	0°C(32°F) ~ 50°C(122°F)		
<b>Humidity</b>	5%~95% non-condensing		
<b>Gross Weight</b>	(w/o PSU & Rail)	kgs : 11.5	
		lbs : 25.4	
<b>Packaging Dimensions</b>	(W x D x H)	mm : 570 x 705 x 218	
		inches : 22.4 x 27.6 x 8.6	
<b>Cubic Feet</b>	4.4		
<b>Container Load Quantity</b>	20'	215	
	40'	445	
	40' H	535	
<b>Mounting</b>	Options	20" slide rail	
		26" slide rail	

FRONT VIEW

Front access dual USB ports



Superior cooling through front air intake

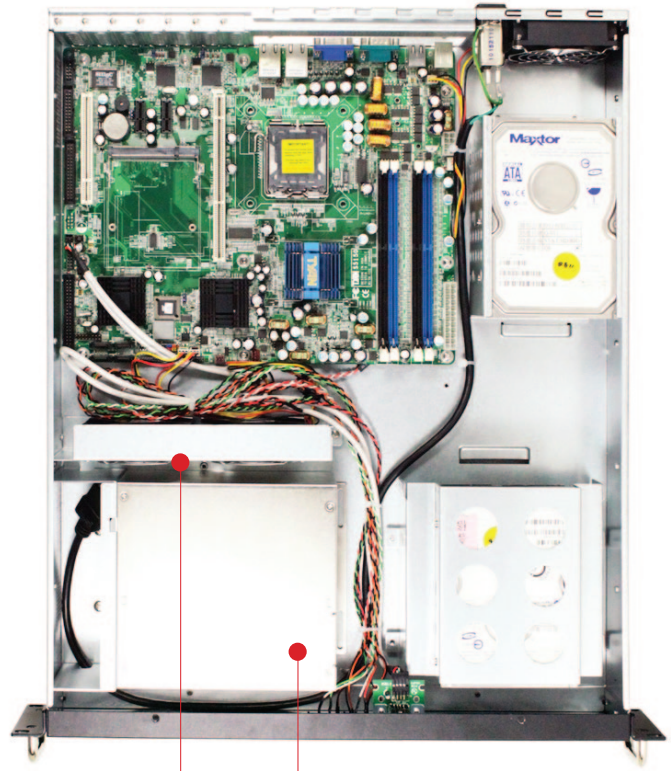
REAR VIEW

1 x 8025 rear fan



7 x low profile slots

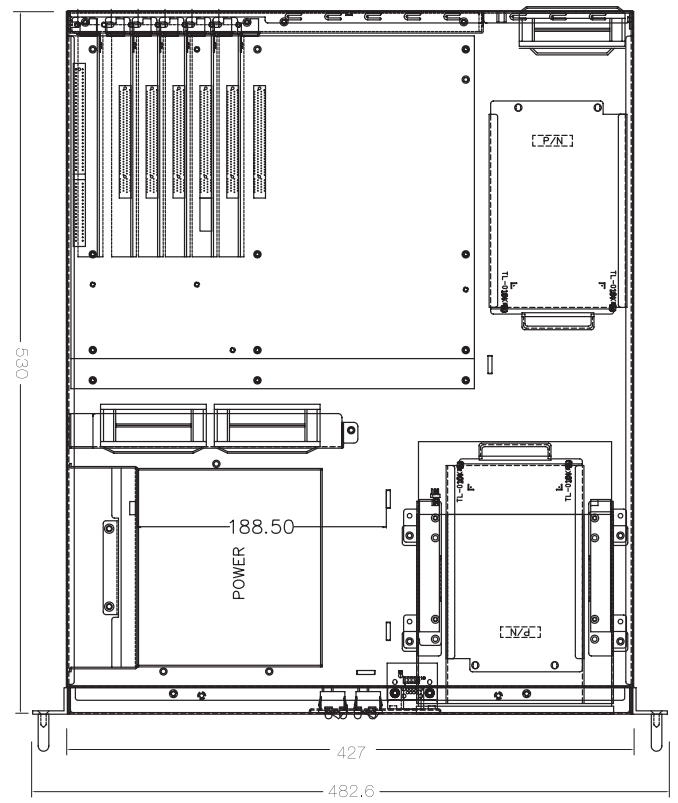
TOP VIEW



PS2 power supply

2 x 8025 middle fans

MECHANICAL DRAWING



Power supply is optional. Motherboard is not included.

**APPLICATIONS :** Internet Server (Web / Mail) • Telephony / Telecom / VoIP • Network / Security Appliance • Military Application

## RMC-3A



### Features :

- Front access dual USB ports
- Superior cooling through front air intake - 2 front fans & 2 rear fans
- 7 x full height expansion slots
- Short depth design for space critical applications

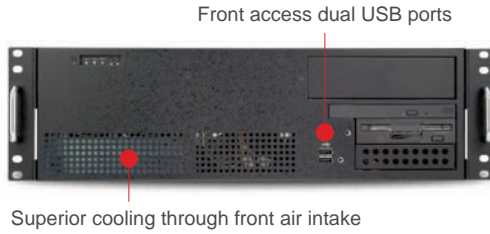
### SPECIFICATIONS

<b>Dimensions</b> (W x D x H)	mm : 427 x 431.8 x 133
	inches : 16.8 x 17 x 5.2
<b>Industry Standard</b>	EIA-RS310D
<b>Material</b>	Heavy-duty cold-rolled steel
<b>Color</b>	Black
<b>Cooling</b>	Front : 2 x 60x25mm fans
	Rear : 2 x 60x25mm easy swap fans
<b>Power Supply</b>	400W single PSU
<b>Expansion Slots</b>	7
<b>Front Panel</b>	Power on/off, system reset and 2 x USB ports
<b>LED Indicators</b>	Power, LAN and Drive
<b>System Board</b>	Up to 12"(W) x 9.6"(D) ATX compliant MB

<b>Drive Bays</b>	External	5.25"	1
		3.5"	2
	Internal	3.5"	2
		Peripheral Drive	Slim DVD-ROM
<b>Storage Temperature</b>	0°C(32°F) ~ 50°C(122°F)		
<b>Humidity</b>	5%~95% non-condensing		
<b>Gross Weight</b>	(w/o PSU & Rail)	kgs : 12	
		lbs : 26.4	
<b>Packaging Dimensions</b>	(W x D x H)	mm : 591 x 598 x 321	
		inches : 23.3 x 23.5 x 12.6	
<b>Cubic Feet</b>	4.0		
<b>Container Load Quantity</b>	20'	240	
	40'	490	
	40' H	590	
<b>Mounting</b>	Options	20" slide rail	
		26" slide rail	



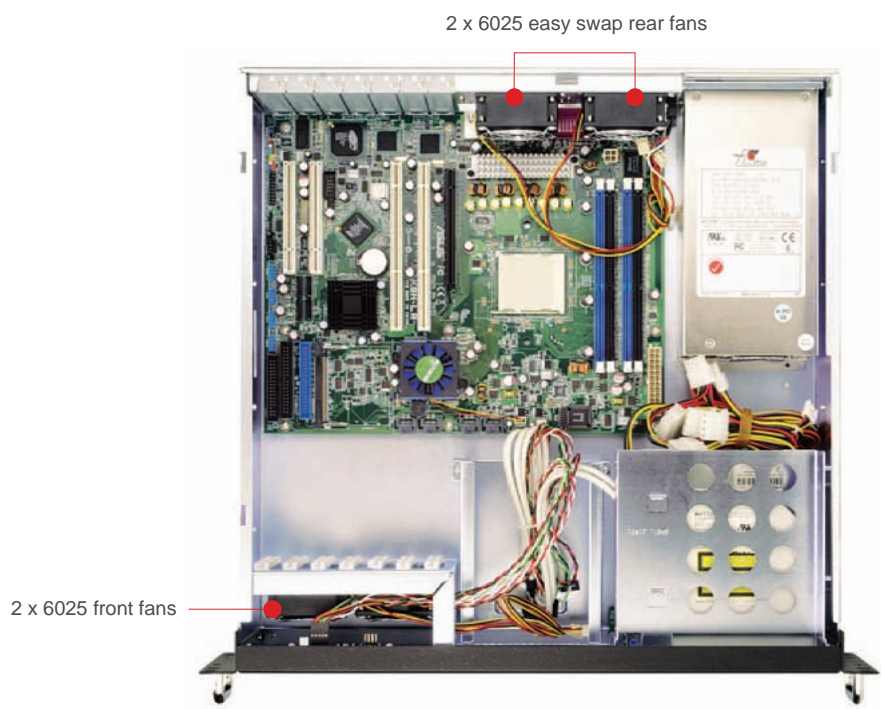
FRONT VIEW



REAR VIEW

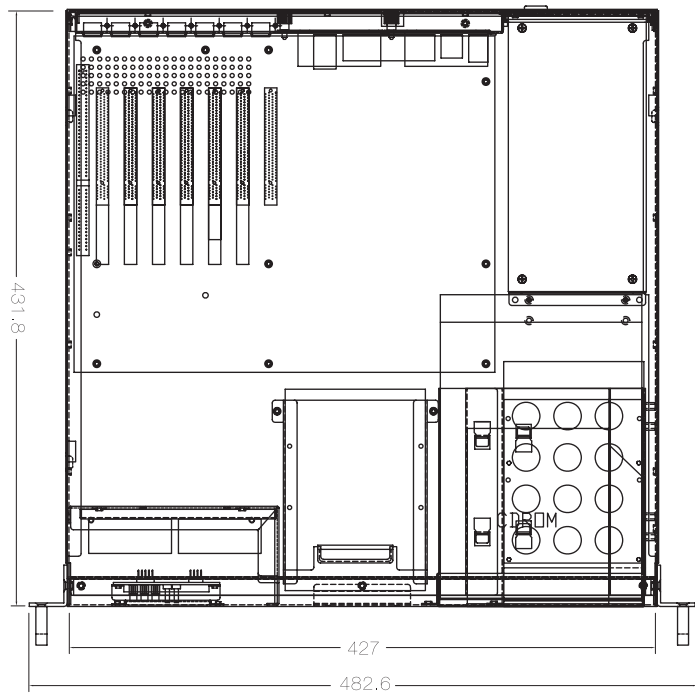


TOP VIEW



Power supply is optional. Motherboard is not included.

MECHANICAL DRAWING



12G SAS JBOD

NVMe JBOD

General Purpose Server Solution

High Availability Server Solution

Storage Server Solution

Flash Barebone Server Solution

Telco Appliance Server Solution

Server Board

Rackmount Chassis

Modular Cansisters

Rackmount Storage Chassis

APPLICATIONS : Database Server • File Server • CCTV Surveillance DVR

## RMC-3F



### Features :

- Front access dual USB ports
- 3 x middle fans +  
2 x easy swap rear fans for optimized cooling  
(Up to 6 fans)
- Supports single or redundant power supply
- Rear access power supply alarm reset button  
(For redundant power supply only)

### SPECIFICATIONS

<b>Dimensions</b> (W x D x H)	mm : 427 x 670 x 133	
	inches : 16.8 x 26.4 x 5.2	
<b>Industry Standard</b>	EIA-RS310D	
<b>Material</b>	Heavy-duty preplated SPGC cold-rolled steel	
<b>Color</b>	Front Panel : Black	
<b>Cooling</b>	Standard	Middle : 3 x 80x25mm fans Rear : 2 x 60x25mm easy swap fans
	Options	Middle : 3 x 80x32mm fans Rear : 2 x 60x38mm fans
	Add-on	Middle : 1 x 80x25mm fan
<b>Power Supply</b>		510W single PSU
	Options	460W 1+1 hot swap redundant PFC
		500W 1+1 hot swap redundant PFC
<b>Expansion Slots</b>	7	
<b>Front Panel</b>	Power on/off, system reset and 2 x USB ports	
<b>LED Indicators</b>	Power and Drive	

<b>System Board</b>	Up to 12"(W) x 13"(D) E-ATX/SSI EEB 3.6 compliant MB		
<b>Drive Bays</b>	External	5.25"	6
		3.5"	1
	Internal	3.5"	1
<b>Storage Temperature</b>	0°C(32°F) ~ 50°C(122°F)		
<b>Humidity</b>	5%~95% non-condensing		
<b>Gross Weight</b>	(w/o PSU & Rail)	kgs : 17.5	
		lbs : 38.6	
<b>Packaging Dimensions</b>	(W x D x H)	mm : 597 x 861 x 312	
		inches : 23.5 x 33.9 x 12.3	
<b>Cubic Feet</b>	5.5		
<b>Container Load Quantity</b>	20'	170	
	40'	355	
	40' H	430	
<b>Mounting</b>	Option	26" slide rail	

FRONT VIEW

Front access dual USB ports



Front bezel with key lock for security and protection



REAR VIEW

Rear access power supply alarm reset button

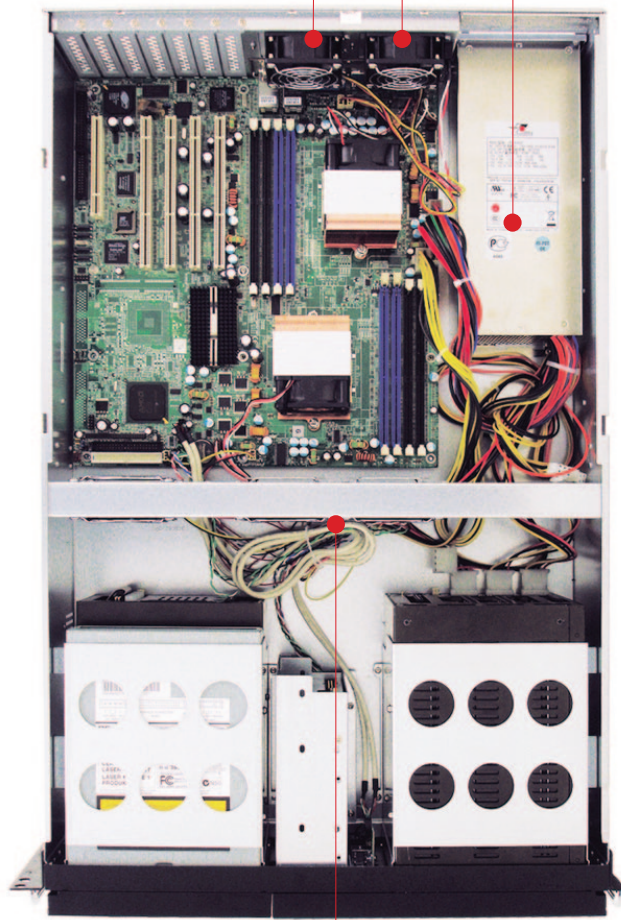


7 x slots

TOP VIEW

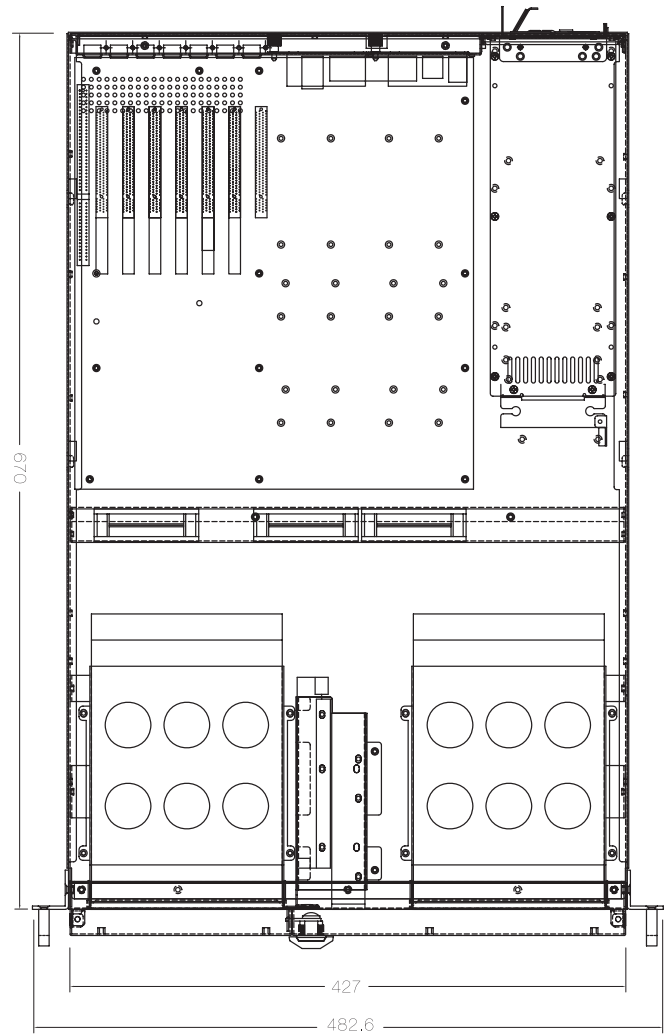
Single or redundant power supply

2 x 6025 easy swap rear fans



3 x 8025 middle fans

MECHANICAL DRAWING



Power supply is optional. Motherboard is not included.

APPLICATIONS : Internet Server (Web / Mail) • CCTV Surveillance DVR • File Server • NAS / iSCSI

## RMC-3N



### Features :

- Front access dual USB ports
- Supports single or redundant power supply
- 2 x easy swap rear fans for superior cooling
- Rear access power supply alarm reset button (For redundant power supply only)
- 7 x full height expansion slots

### SPECIFICATIONS

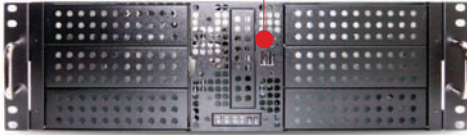
<b>Dimensions</b> (W x D x H)	mm : 427 x 533.4 x 133	
	inches : 16.8 x 21 x 5.2	
<b>Industry Standard</b>	EIA-RS310D	
<b>Material</b>	Heavy-duty preplated SPGC cold-rolled steel	
<b>Color</b>	Front Panel : Black	
<b>Cooling</b>	Standard	Rear : 2 x 60x25mm easy swap fans
	Option	Rear : 2 x 60x38mm fans
<b>Power Supply</b>	Options	300W single PSU
		460W single PSU
		510W single PSU
		460W 1+1 hot swap redundant
		500W 1+1 hot swap redundant
<b>Expansion Slots</b>	7	
<b>Front Panel</b>	Power on/off, system reset and 2 x USB ports	
<b>LED Indicators</b>	Power and Drive	

<b>System Board</b>	Up to 12"(W) x 10.5"(D) ATX/SSI CEB compliant MB		
<b>Drive Bays</b>	External	5.25"	6
		3.5"	1
	Internal	3.5"	1
<b>Storage Temperature</b>	0°C(32°F) ~ 50°C(122°F)		
<b>Humidity</b>	5%~95% non-condensing		
<b>Gross Weight</b>	(w/o PSU & Rail)	kgs : 15	
		lbs : 33	
<b>Packaging Dimensions</b>	(W x D x H)	mm : 590 x 715 x 306	
		inches : 23.2 x 28.1 x 12	
<b>Cubic Feet</b>	4.3		
<b>Container Load Quantity</b>	20'	220	
	40'	455	
	40' H	550	
<b>Mounting</b>	Options	20" slide rail	
		26" slide rail	



FRONT VIEW

Front access dual USB ports



Front bezel with key lock for security and protection



REAR VIEW

Rear access power supply alarm reset button

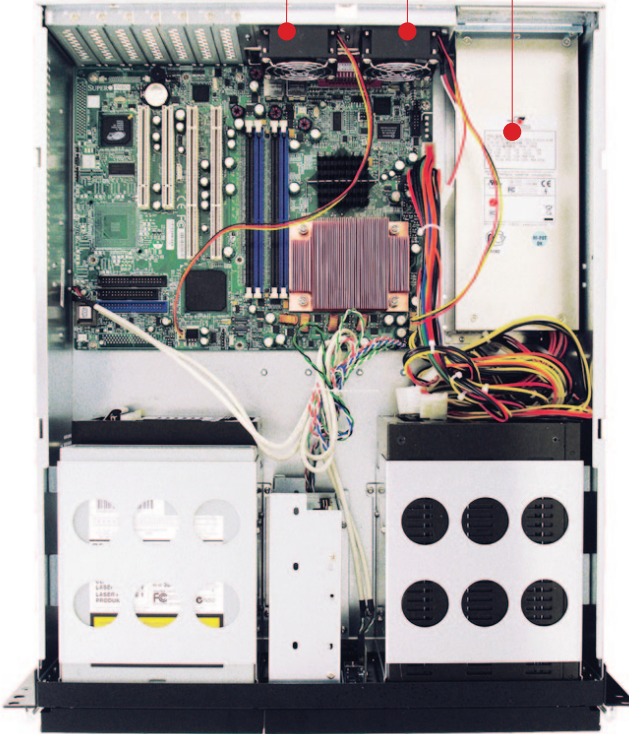


7 x slots

TOP VIEW

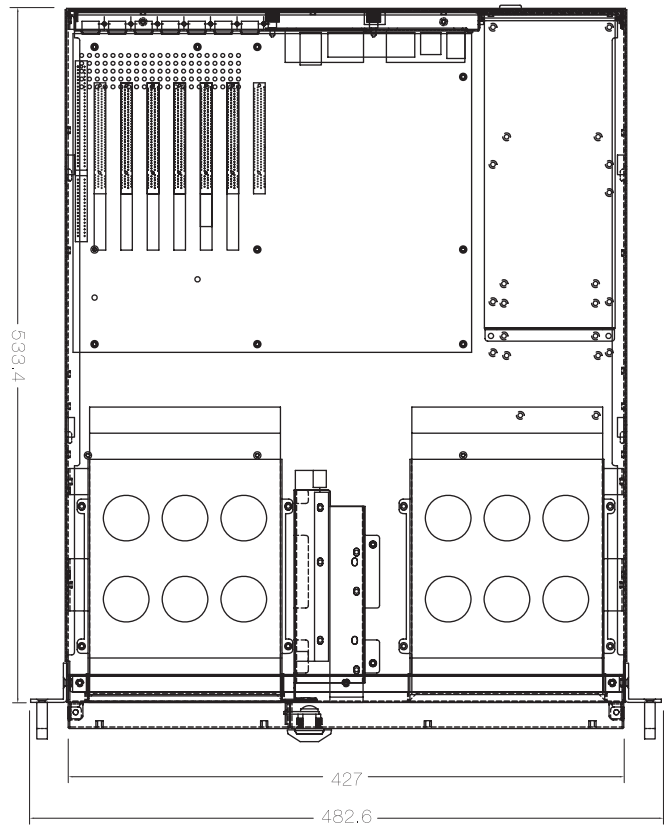
Single or redundant power supply

2 x 6038 easy swap rear fans



Power supply is optional. Motherboard is not included.

MECHANICAL DRAWING



APPLICATIONS : NAS / iSCSI • File Server • Database Server • Web Server • Surveillance

## RMC-3S



### Features :

- Short depth design for space critical applications
- Support single and redundant power supply
- 7 x low profile expansion slots

### SPECIFICATIONS

<b>Dimensions</b> (W x D x H)	mm : 427 x 530 x 133		
	inches : 16.8 x 21 x 5.23		
<b>Industry Standard</b>	EIA-RS310D		
<b>Material</b>	SGCC		
<b>Color</b>	Front Panel : Black		
<b>Cooling</b>	Middle : 2 x 6025 (3P) + 1 x 8025 (3P) cooling fans		
<b>Power Supply</b>	Standard	PS2 type power supply	
<b>Expansion Slot</b>	7 full height		
<b>Front Panel</b>	System power switch, System reset switch and USB3.0		
<b>LED Indicators</b>	System power and HDD		
<b>System Board</b>	Up to 12" x 9.6" ATX M/B		
<b>Drive Bays</b>	External	5.25"	3
		3.5"	1
	Internal	3.5"	4

<b>Storage Temperature</b>	0°C(32°F) ~ 50°C(122°F)	
<b>Humidity</b>	5%~95% non-condensing	
<b>Gross Weight</b>	(w/ PSU & Rail)	kgs : 10.5
		lbs : 23.1
<b>Packaging Dimensions</b>	(W x D x H)	mm : 570 x 700 x 284
		inches : 22.4 x 27.6 x 11.2
<b>Cubic Feet</b>	4	
<b>Container Load Quantity</b>	20'	250
	40'	250
	40' H	600
<b>Mounting</b>	Standard	20" slide rail

FRONT VIEW



REAR VIEW



TOP VIEW

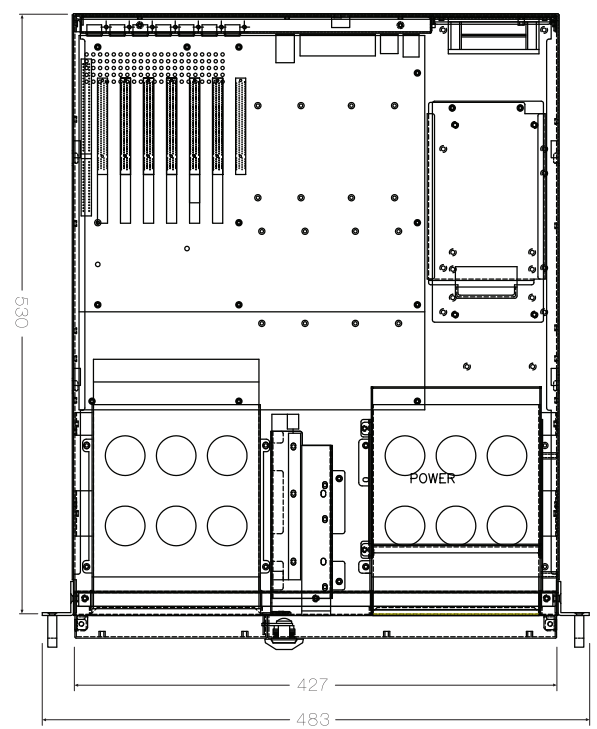
2 x 6025 (3P) + 1 x 8025 (3P) cooling fans



PS2 type power supply

Power supply is included. Motherboard is not included.

MECHANICAL DRAWING



**APPLICATIONS :** Internet Server (Web / Mail) • Industrial / Telecom Computers • CCTV Surveillance DVR • Military Application

## RMC-4A



### Features :

- Front access dual USB ports
- Removable & washable air filter
- Superior cooling through front air intake - 2 x front cooling fans
- Hold down bar to ensure that add-on cards are locked into positions
- PS2 power supply
- Supports both MB and SBC slots

### SPECIFICATIONS

<b>Dimensions</b> (W x D x H)	mm : 427 x 450 x 177	
	inches : 16.8 x 17.7 x 7	
<b>Industry Standard</b>	EIA-RS310D	
<b>Material</b>	Heavy-duty cold-rolled steel	
<b>Color</b>	Black	
<b>Cooling</b>	Standard	Front : 2 x 92x25 mm fans
	Add-ons	Rear : 2 x 60x25 mm exhaust fans
		Rear : 2 x 60x38mm exhaust fans
<b>Power Supply</b>	Standard PS2 PSU	
<b>Expansion Slots</b>	MB Version	7
	BP Version	14
<b>Front Panel</b>	Power on/off, system reset and 2 x USB ports	
<b>LED Indicators</b>	Power and Drive	
<b>System Board</b>	MB Version	12"(W) x 9.6"(D) ATX/SSI EEB 3.6 compliant MB
	BP Version	(SBC) 14-slot

<b>Drive Bays</b>	External	5.25"	3
		3.5"	1
	Internal	3.5"	2 (or 4 by adding an option 2-bay 3.5" drive cage)
<b>Storage Temperature</b>	0°C(32°F) ~ 50°C(122°F)		
<b>Humidity</b>	5%~95% non-condensing		
<b>Gross Weight</b>	(w/o PSU & Rail)	kgs : 16	
		lbs : 35.2	
<b>Packaging Dimensions</b>	(W x D x H)	mm : 587 x 625 x 354	
		inches : 23.1 x 24.6 x 14	
<b>Cubic Feet</b>	4.3		
<b>Container Load Quantity</b>	20'	220	
	40'	455	
	40' H	550	
<b>Mounting</b>	Options	20" slide rail	
		26" slide rail	

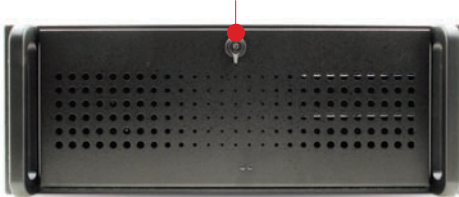


FRONT VIEW

Front access dual USB ports



Front bezel with key lock for security and protection [Available in Steel (standard) and Aluminum]



REAR VIEW

7 x slots



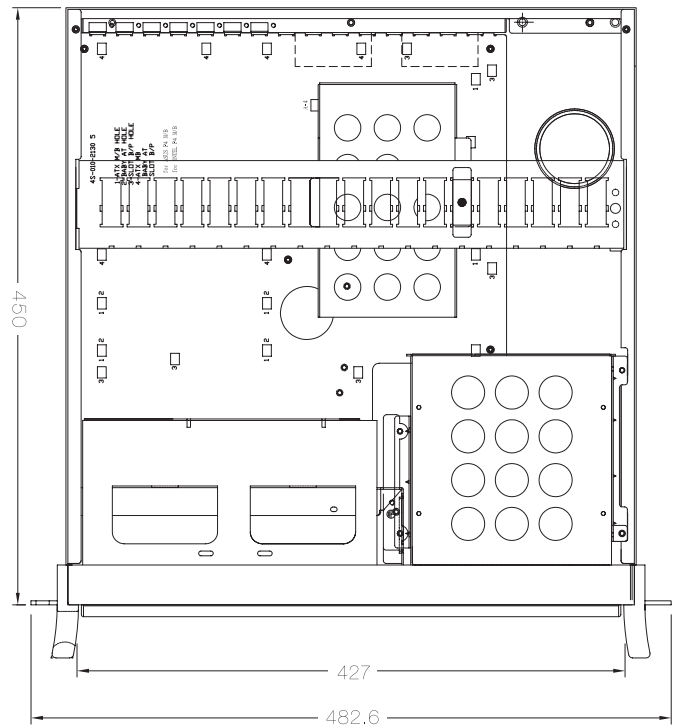
TOP VIEW

Add-on cards hold down bar



2 x 3.5" internal drives (or 4 by adding a 2-bay 3.5" drive bracket)

MECHANICAL DRAWING



Power supply is optional. Motherboard is not included.

**APPLICATIONS :** Internet Server (Web / Mail) • Military Application • Industrial / Telecom Computers • File Server • NAS / iSCSI

## RMC-4S



### Features :

- Front access dual USB ports
- Removable & washable air filter
- Superior cooling through front air intake - 2 x front cooling fans
- Hold down bar to ensure that add-on cards are locked into positions
- PS2 power supply
- Supports both MB and SBC slots

### SPECIFICATIONS

<b>Dimensions</b> (W x D x H)	mm : 427 x 505 x 177	
	inches : 16.8 x 19.9 x 7	
<b>Industry Standard</b>	EIA-RS310D	
<b>Material</b>	Heavy-duty cold-rolled steel	
<b>Color</b>	Black	
<b>Cooling</b>	Standard	Front : 2 x 92x25 mm fans
	Add-ons	Rear : 2 x 60x25mm exhaust fans
		Rear : 2 x 60x38mm exhaust fans
<b>Power Supply</b>	Standard PS2 PSU	
<b>Expansion Slots</b>	MB Version	7
	BP Version	14
<b>Front Panel</b>	Power on/off, system reset and 2 x USB ports	
<b>LED Indicators</b>	Power and Drive	
<b>System Board</b>	MB Version	Up to 12"(W) x 10.5"(D) ATX/SSI CEB compliant MB (or 12"(W) x 13"(D) E-ATX/SSI EEB 3.6 compliant MB by adding an optional MB bracket)
	BP Version	(SBC) 14-slot

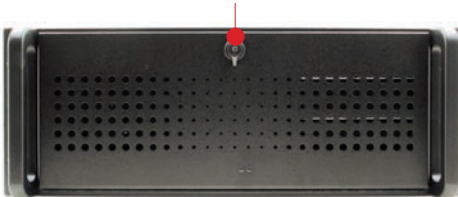
<b>Drive Bays</b>	External	5.25"	3
		3.5"	1
	Internal	3.5"	2 (or 4 by adding an option 2-bay 3.5" drive cage)
<b>Storage Temperature</b>	0°C(32°F) ~ 50°C(122°F)		
<b>Humidity</b>	5%~95% non-condensing		
<b>Gross Weight</b>	(w/o PSU & Rail)	kgs : 17	
		lbs : 37.4	
<b>Packaging Dimensions</b>	(W x D x H)	mm : 599 x 685 x 348	
		inches : 23.6 x 27 x 13.7	
<b>Cubic Feet</b>	5.0		
<b>Container Load Quantity</b>	20'	190	
	40'	390	
	40'H	470	
<b>Mounting</b>	Options	20" slide rail	
		26" slide rail	

FRONT VIEW

Front access dual USB ports



Front bezel with key lock for security and protection [Available in Steel (standard) and Aluminum]



REAR VIEW

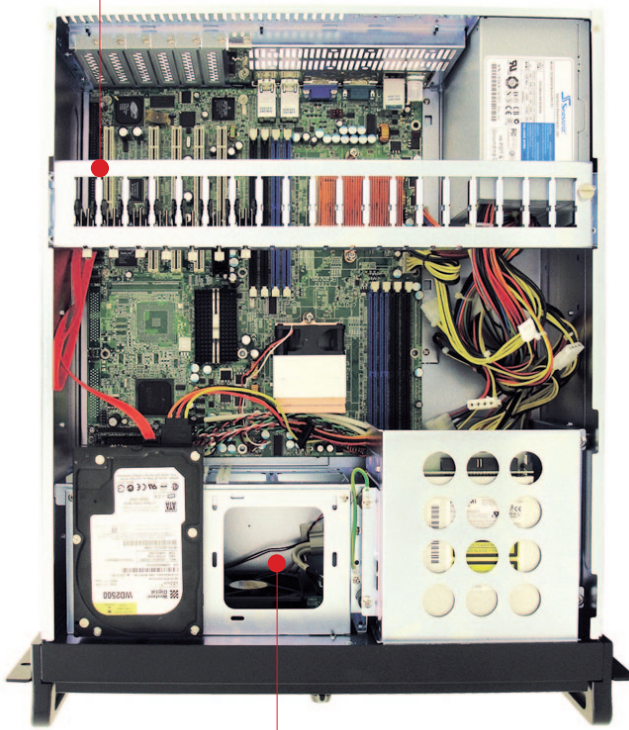
Supports 2 x 6025 or 6038 rear add-on fans



7 x slots

TOP VIEW

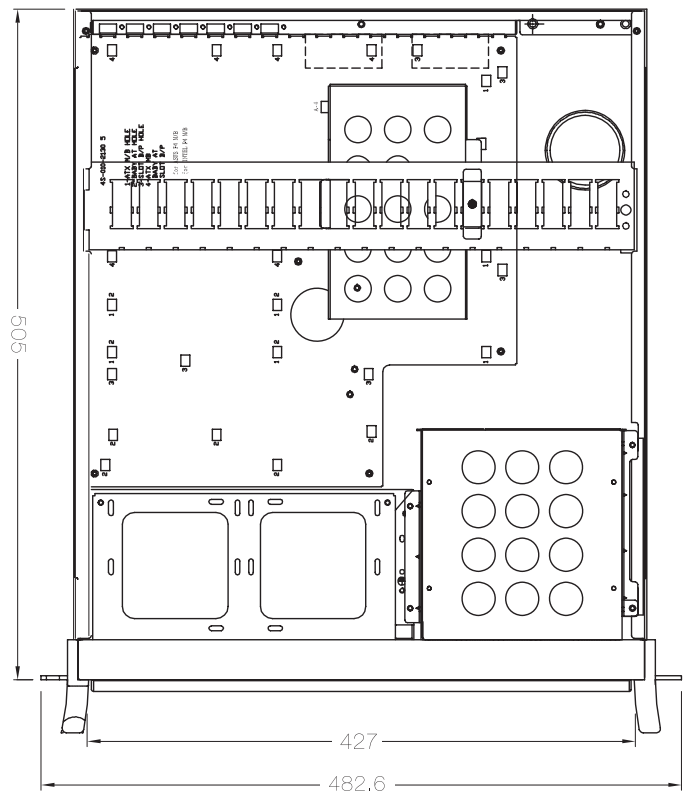
Add-on cards hold down bar



2 x 3.5" internal drives (or 4 by adding a 2-bay 3.5" drive bracket)

Power supply is optional. Motherboard is not included.

MECHANICAL DRAWING



# Modular Canisters

## XC-11D1

### Dimensions (W x D x H)

mm : 146 x 195 x 41.5  
inches : 5.7 x 7.7 x 1.6



<b>Material</b>	Heavy-duty preplated SPGC cold-rolled steel		
<b>Finish</b>	Front Panel : Texture-coated		
<b>LED Indicators</b>	Drive		
<b>Drive Bay</b>	External	3.5" hot swap	1
<b>Backplane</b>	1 x 1-port 6Gb SAS/SATA backplane with 2 SATA connectors		

## XC-12

### Dimensions (W x D x H)

mm : 146 x 199 x 41.5  
inches : 5.7 x 7.8 x 1.6



<b>Material</b>	Heavy-duty preplated SPGC cold-rolled steel		
<b>Finish</b>	Front Panel : Texture-coated		
<b>Cooling</b>	Rear : 2 x 40x20mm fans		
<b>LED Indicators</b>	Drive		
<b>Drive Bays</b>	External	2.5" hot swap	2
<b>Backplane</b>	1 x 2-port 6Gb SAS/SATA backplane with 4 SATA connectors		

## XC-12G

## XC-12H

## XC-12T

### Dimensions (W x D x H)

mm : 146 x 166 x 41.2  
inches : 5.7 x 6.5 x 1.6



<b>Material</b>	Heavy-duty preplated SPGC cold-rolled steel		
<b>Finish</b>	Front Panel : Texture-coated		
<b>LED Indicators</b>	Drive		
<b>Drive Bays</b>	External	2.5" hot swap	2
<b>Backplane</b>	1 x 2-port 6Gb SAS/SATA backplane with 4 SATA connectors		



### XC-12TNVME

**Dimensions (W x D x H)**

mm : 148 x 165 x 41.7  
inches : 5.8 x 6.5 x 1.6



<b>Material</b>	Heavy-duty preplated SPGC cold-rolled steel		
<b>Finish</b>	Front Panel : Texture-coated		
<b>LED Indicators</b>	Drive		
<b>Drive Bays</b>	External	2.5" hot swap	2
<b>Backplanes</b>	1 x 2-port NVMe backplane with 2 SFF-8643 connectors		

### XC-23D1

**Dimensions (W x D x H)**

mm : 146 x 222.2 x 85.5  
inches : 5.7 x 8.7 x 3.4



<b>Material</b>	Heavy-duty preplated SPGC cold-rolled steel		
<b>Finish</b>	Front Panel : Texture-coated		
<b>Cooling</b>	Rear : 1 x 80x25mm fan		
<b>LED Indicators</b>	Power, Temperature, Fan and Drive		
<b>Drive Bays</b>	External	3.5" hot swap	3
<b>Backplane</b>	1 x 3-port 6Gb SAS/SATA backplane with 3 SATA connectors		

### XC-34D1

**Dimensions (W x D x H)**

mm : 147.3 x 223.5 x 127  
inches : 5.8 x 8.8 x 5



<b>Material</b>	Heavy-duty preplated SPGC cold-rolled steel		
<b>Finish</b>	Front Panel : Texture-coated		
<b>Cooling</b>	Rear : 1 x 80x25mm fan		
<b>Front Panel</b>	System mute		
<b>LED Indicators</b>	Power, Temperature, Fan and Drive		
<b>Drive Bays</b>	External	3.5" hot swap	4
<b>Backplanes</b>	1 x 4-port 6Gb SAS/SATA backplane with 4 SATA connectors		
	1 x 4-port 6Gb SAS/SATA backplane with SGPIO support with 1 SFF-8087 connector		

APPLICATIONS : NAS / iSCSI • File Server • Database Server • Web Server • Surveillance

## RSC-1AT



### Features :

- Tool-less design supports quick installation and easy maintenance:
  - Tool-less 2.5" drive trays
  - Tool-less slide rail
- Supports 8 x 12G 2.5" hot swap drive bays + 2 x 6G 2.5" hot swap drive bays
- Supports single and redundant power supplies
- Supports 1 full height expansion slot
- Two front access USB 3.0 ports

### SPECIFICATIONS

<b>Dimensions</b> (W x D x H)	mm : 438 x 680 x 43.5	
	inches : 17 x 26.8 x 1.72	
<b>Industry Standard</b>	EIA-RS310D	
<b>Material</b>	SGCC	
<b>Color</b>	Front Panel : Black	
<b>Cooling</b>	Middle : 4 x 40x56mm PWM + 1 x 40x28mm hot swap fans	
<b>Power Supply</b>	Standard	500W single PSU
	Option	650W 1+1 redundant
<b>Expansion Slot</b>	1 full height	
<b>Front Panel</b>	System power on/off and system reset, 2 x USB 3.0 ports	
<b>LED Indicators</b>	Power, HDD and LAN	
<b>System Board</b>	Up to 12"(W) x 13"(D) EATX MB	

<b>Drive Bays</b>	External	2.5" hot swap	10
<b>Backplanes</b>	2 x 4-port 12Gb with SFF-8643 connector support 12G + 1 x 2-port with SATA connector		
<b>Storage Temperature</b>	0°C(32°F) ~ 50°C(122°F)		
<b>Humidity</b>	5%~95% non-condensing		
<b>Gross Weight</b>	(w/ PSU & Rail)	kgs :	21
		lbs :	46.3
<b>Packaging Dimensions</b>	(W x D x H)	mm :	588 x 1050 x 263
		inches :	23.1 x 41.3 x 10.4
<b>Cubic Feet</b>	3.93		
<b>Container Load Quantity</b>	20'	165	
	40'	340	
	40' H	410	
<b>Mounting</b>	Standard	28" tool-less slide rail	

FRONT VIEW

10 x 2.5" hot swap & tool-less drive bays



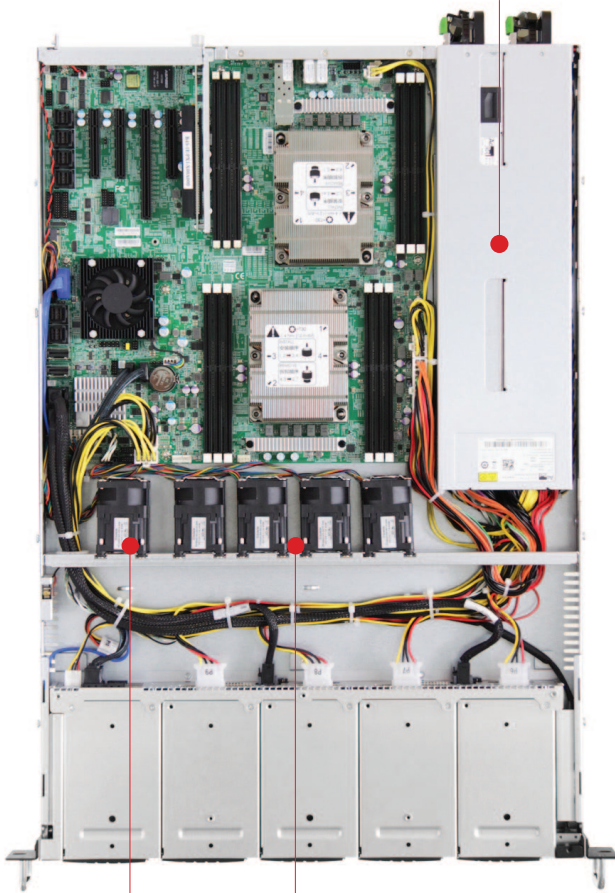
REAR VIEW

1 full height slot



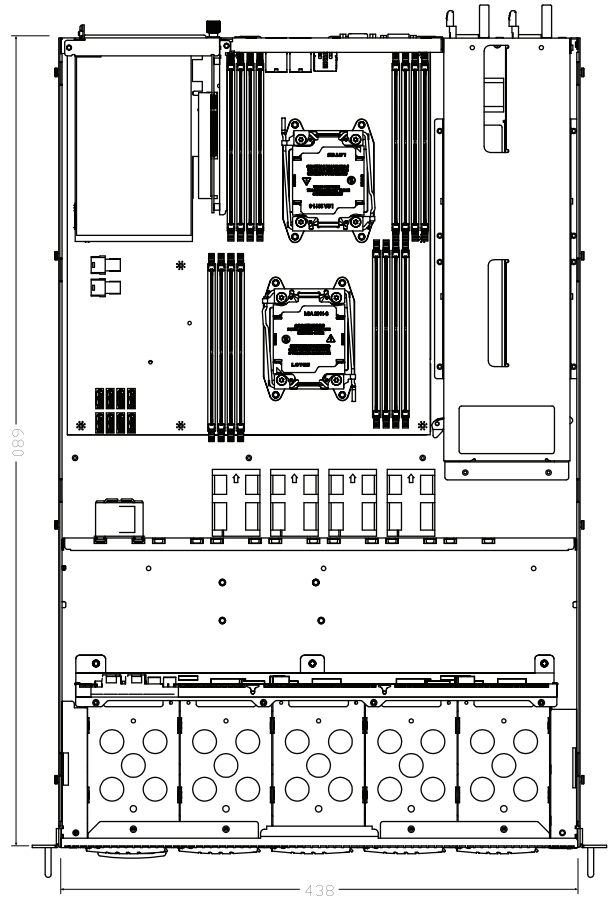
TOP VIEW

500W single power supply or  
650W 1+1 redundant power supply



1 x 4028 hot swap fan    4 x 4056 PWM fans

MECHANICAL DRAWING



Power supply is included. Motherboard is not included.

12G SAS JBOD

NVMe JBOD

General Purpose Server Solution

High Availability Server Solution

Storage Server Solution

Flash Backbone Server Solution

Telco Appliance Server Solution

Server Board

Rackmount Chassis

Modular Chassis

Rackmount Storage Chassis

## RSC-1DT



### Features :

- Tool-less design supports quick installation and easy maintenance:
  - Tool-less 2.5" drive trays
  - Tool-less slide rail
- Supports 4 x 12G 3.5" hot swap drive bays
- Supports single and redundant power supplies
- Supports 1 full height expansion slot
- Two front access USB 3.0 ports

### SPECIFICATIONS

<b>Dimensions</b> (W x D x H)	mm : 438 x 680 x 43.5	
	inches : 17 x 26.8 x 1.72	
<b>Industry Standard</b>	EIA-RS310D	
<b>Material</b>	SGCC	
<b>Color</b>	Front Panel : Black	
<b>Cooling</b>	Middle : 4 x 40x56mm rotor + 1 x 40x28mm hot swap fans	
<b>Power Supply</b>	Standard	500W single PSU
	Option	450W 1+1 redundant
<b>Expansion Slot</b>	1 full height	
<b>Front Panel</b>	System power on/off and system reset, 2 x USB 3.0 ports	
<b>LED Indicators</b>	Power, HDD and LAN	
<b>System Board</b>	Up to 12"(W) x 13"(D) EATX MB	

<b>Drive Bays</b>	External	3.5" hot swap	4
	Internal	2.5	4
<b>Backplanes</b>	4-port with SFF-8643 connector supports 12G		
<b>Storage Temperature</b>	0°C(32°F) ~ 50°C(122°F)		
<b>Humidity</b>	5%~95% non-condensing		
<b>Gross Weight</b>	(w/ PSU & Rail)	kgs : 20	
		lbs : 44	
<b>Packaging Dimensions</b>	(W x D x H)	mm : 588 x 1050 x 263	
		inches : 23.1 x 41.3 x 10.4	
<b>Cubic Feet</b>	3.93		
<b>Container Load Quantity</b>	20'	165	
	40'	340	
	40' H	410	
<b>Mounting</b>	Standard	28" tool-less slide rail	



FRONT VIEW

4 x 3.5" hot swap & tool-less drive bays



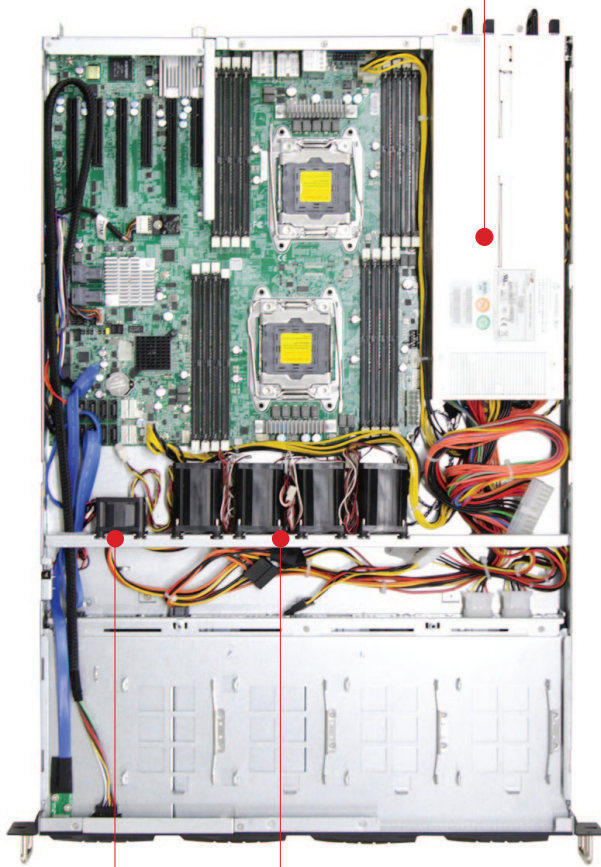
REAR VIEW

1 full height slot



TOP VIEW

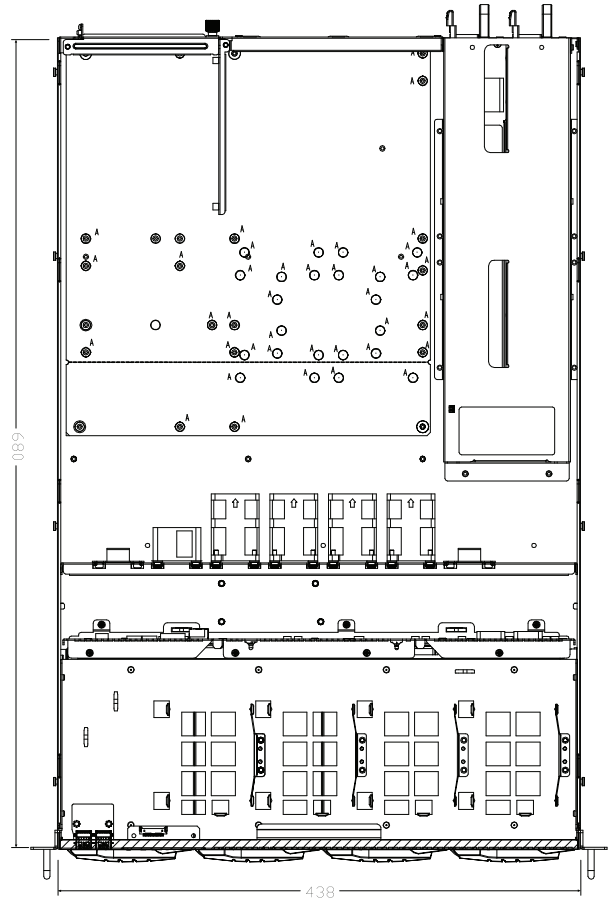
500W single power supply or  
450W 1+1 redundant power supply



1 x 4028 hot swap fan    4 x 4056 rotor fans

Power supply is included. Motherboard is not included.

MECHANICAL DRAWING



12G SAS JBOD

NVMe JBOD

General Purpose Server Solution

High Availability Server Solution

Storage Server Solution

Flash Barebone Server Solution

Telco Appliance Server Solution

Server Board

Rackmount Chassis

Modular Chassis

Rackmount Storage Chassis

APPLICATIONS : NAS / iSCSI • File server • Web Server • Surveillance

## RSC-1DTS



### Features :

- Tool-less design supports quick installation and easy maintenance:
  - Tool-less 2.5" drive trays
  - Tool-less slide rail
- Supports 4 x 12G 3.5" hot swap drive bays
- Supports single and redundant power supplies
- Supports 1 full height expansion slot
- Two front access USB 3.0 ports

### SPECIFICATIONS

<b>Dimensions</b> (W x D x H)	mm : 438 x 560 x 43.5	
	inches : 17 x 22 x 1.72	
<b>Industry Standard</b>	EIA-RS310D	
<b>Material</b>	SGCC	
<b>Color</b>	Front Panel : Black	
<b>Cooling</b>	Middle : 4 x 40x28mm PWM fans	
<b>Power Supply</b>	Standard	400W single PSU
	Option	300W 1+1 redundant
<b>Expansion Slot</b>	1 full height	
<b>Front Panel</b>	System power on/off and system reset, 2 x USB 3.0 ports	
<b>LED Indicators</b>	Power, HDD and LAN	
<b>System Board</b>	Up to 12"(W) x 9.6"(D) ATX MB	

<b>Drive Bays</b>	External	3.5" hot swap	4
	Internal	2.5	4 (9mm SSD)
<b>Backplanes</b>	4-port with SFF-8643 connector supports 12G		
<b>Storage Temperature</b>	0°C(32°F) ~ 50°C(122°F)		
<b>Humidity</b>	5%~95% non-condensing		
<b>Gross Weight</b>	(w/ PSU & Rail)	kgs : 14	
		lbs : 30.9	
<b>Packaging Dimensions</b>	(W x D x H)	mm : 588 x 730 x 178	
		inches : 23.1 x 28.7 x 7	
<b>Cubic Feet</b>	3.65		
<b>Container Load Quantity</b>	20'	275	
	40'	547	
	40' H	657	
<b>Mounting</b>	Standard	28" tool-less slide rail	

FRONT VIEW

4 x 3.5" hot swap & tool-less drive bays



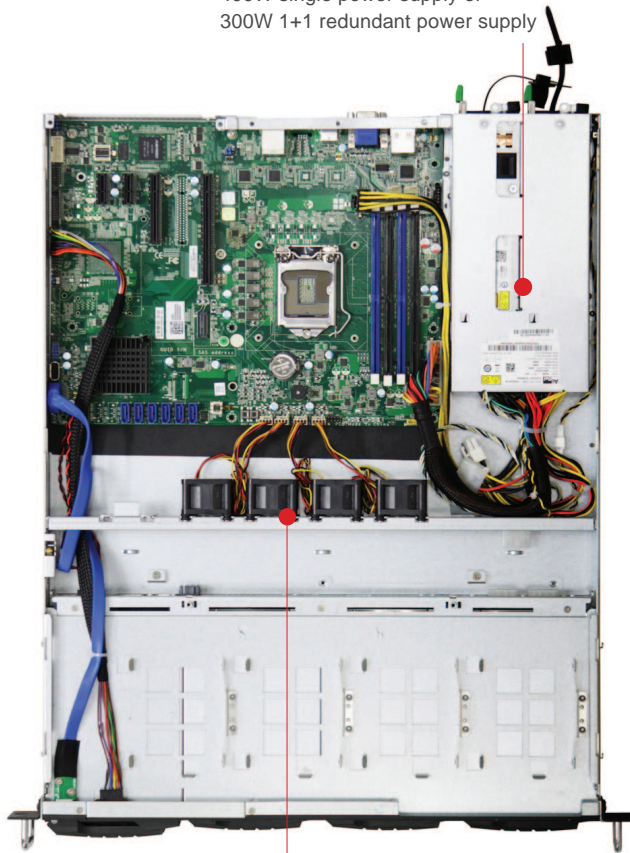
REAR VIEW

1 full height slot



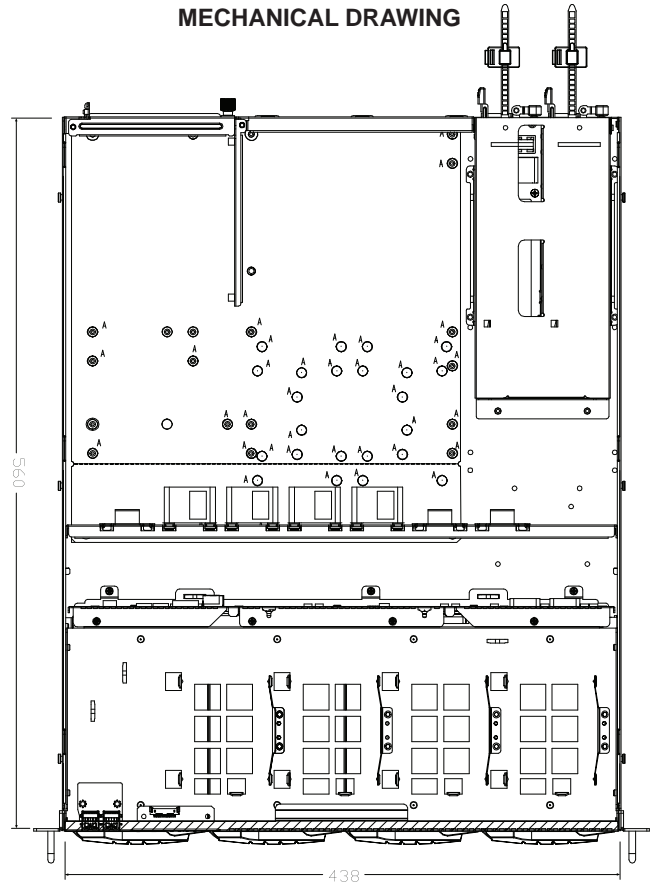
TOP VIEW

400W single power supply or  
300W 1+1 redundant power supply



4 x 4028 PWM fans

MECHANICAL DRAWING



*Power supply is included. Motherboard is not included.*

12G SAS JBOD

NVMe JBOF

General Purpose Server Solution

High Availability Server Solution

Storage Server Solution

Flash Backbone Server Solution

Telco Appliance Server Solution

Server Board

Rackmount Chassis

Modular Chassis

Rackmount Storage Chassis

APPLICATIONS : Server Storage • Data Center Server

## RSC-1C



### Features :

- High-density design for space saving (cost saving)
- 1 drawer to load up to 12 hot swap drives
- Tool-less design supports quick installation and easy maintenance:
  - Tool-less 3.5" drive trays
  - Tool-less top covers
- Anti-vibration rubbers on drive trays and fans
- Silicon gaskets to absorb vibration from sides of drives
- Easy swap system fans designed to minimize rotational vibration while providing superior cooling

### SPECIFICATIONS

<b>Dimensions</b> (W x D x H)	mm : 438 x 890 x 44	
	inches : 17.2 x 35 x 1.7	
<b>Industry Standard</b>	EIA-RS310D	
<b>Material</b>	Heavy-duty preplated SPGC cold-rolled steel	
<b>Color</b>	Not coated	
<b>Cooling</b>	Middle : 5 x 40x28mm PWM easy swap fans	
<b>Power Supply</b>	Options	400W single PSU PMBus 1.2 80+ Platinum
		500W single PSU PMBus 1.2 80+ Platinum
		600W redundant PSU 80+ Gold
<b>Expansion Slot</b>	1 full height via riser card	
<b>Front Panel</b>	System power on/off and system reset	
<b>LED Indicators</b>	Power, LAN and Drive	
<b>System Board</b>	12"(W) x 9.6"(D) ATX	

<b>Drive Bays</b>	Internal	3.5" hot swap	12
		2.5"	2 (7mm thickness)
<b>Backplanes</b>	3 x 4-port 12Gb SAS backplanes with single SFF-8643 connector on each		
<b>Storage Temperature</b>	0°C(32°F) ~ 50°C(122°F)		
<b>Humidity</b>	5%~95% non-condensing		
<b>Gross Weight</b>	(w/ PSU & Rail)	kgs : 25	
		lbs : 55.1	
<b>Packaging Dimensions</b>	(W x D x H)	mm : 600 x 1085 x 208	
		inches : 23.6 x 42.7 x 8.2	
<b>Cubic Feet</b>	4.8		
<b>Container Load Quantity</b>	20'	198	
	40'	418	
	40' H	456	
<b>Mounting</b>	Standard	26" tool-less slide rail	



FRONT VIEW

System power on/off and system reset



REAR VIEW

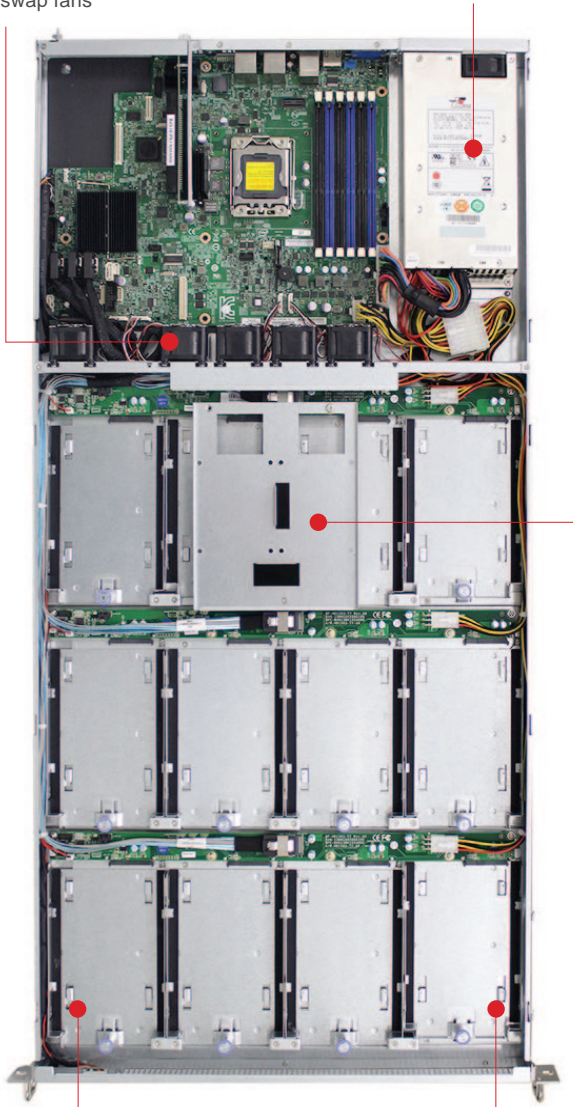
1 x slot



TOP VIEW

5 x 4028 PWM easy swap fans

500W single PSU PMBus 1.2 80+ Platinum

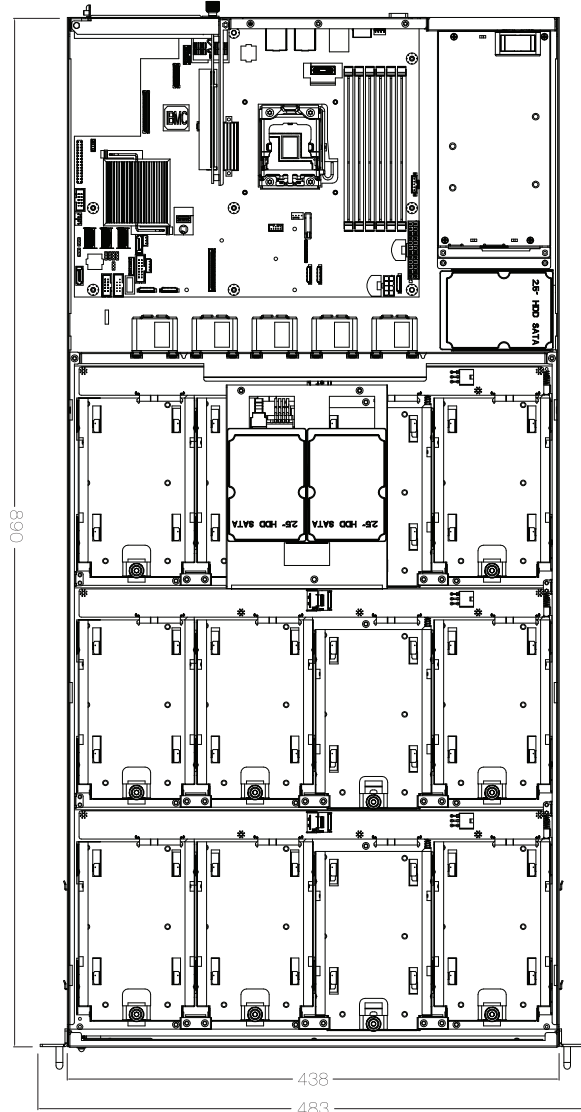


12 x 3.5" hot swap & tool-less

2-bay 2.5" drive bracket is in the middle when using redundant PSU

Power supply is included. Motherboard is not included.

MECHANICAL DRAWING



12G SAS JBOD

NVMe JBOD

General Purpose Server Solution

High Availability Server Solution

Storage Server Solution

Flash Barebone Server Solution

Telco Appliance Server Solution

Server Board

Rackmount Chassis

Modular Cansisters

Rackmount Storage Chassis

APPLICATIONS : File Server • Database Server • NAS / iSCSI • Web Server

## RSC-1R



### Features :

- High-density design for space saving (cost saving)
- 1 drawer to load up to 8 hot swap drives
- Tool-less design supports quick installation and easy maintenance:
  - Tool-less 3.5" & 2.5" drive trays
  - Tool-less top covers
- Anti-vibration rubbers on drive trays and fans
- Silicon gaskets to absorb vibration from sides of drives
- Easy swap system fans designed to minimize rotational vibration while providing superior cooling

### SPECIFICATIONS

<b>Dimensions</b> (W x D x H)	mm : 438 x 890 x 44	
	inches : 17.2 x 35 x 1.7	
<b>Industry Standard</b>	EIA-RS310D	
<b>Material</b>	Heavy-duty preplated SPGC cold-rolled steel	
<b>Color</b>	Not coated	
<b>Cooling</b>	Middle : 1 x 40x28mm + 4 x 40x56mm PWM easy swap fans	
<b>Power Supply</b>	Options	500W single PSU 80+ Platinum
		600W redundant PSU 80+ Gold
<b>Expansion Slot</b>	1 full height via riser card	
<b>Front Panel</b>	System power on/off and system reset	
<b>LED Indicators</b>	Power, LAN and Drive	
<b>System Board</b>	12"(W) x 13"(D) E-ATX/SSI EEB 3.6 compliant MB	

<b>Drive Bays</b>	Internal	3.5" hot swap	8
		2.5"	2
<b>Backplanes</b>	2 x 4-port 12Gb SAS backplanes with single SFF-8643 connector on each		
<b>Storage Temperature</b>	0°C(32°F) ~ 50°C(122°F)		
<b>Humidity</b>	5%~95% non-condensing		
<b>Gross Weight</b>	(w/ PSU & Rail)	kgs : 25	
		lbs : 55	
<b>Packaging Dimensions</b>	(W x D x H)	mm : 600 x 1085 x 208	
		inches : 23.6 x 42.7 x 8.2	
<b>Cubic Feet</b>	4.8		
<b>Container Load Quantity</b>	20'	198	
	40'	418	
	40' H	456	
<b>Mounting</b>	Standard	26" tool-less slide rail	

FRONT VIEW



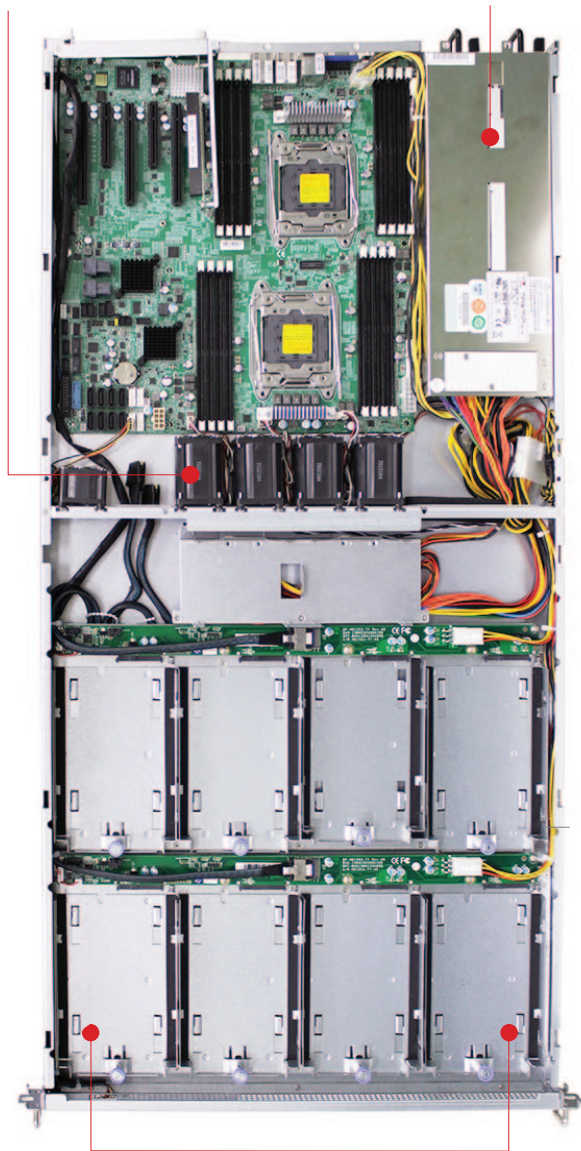
REAR VIEW



TOP VIEW

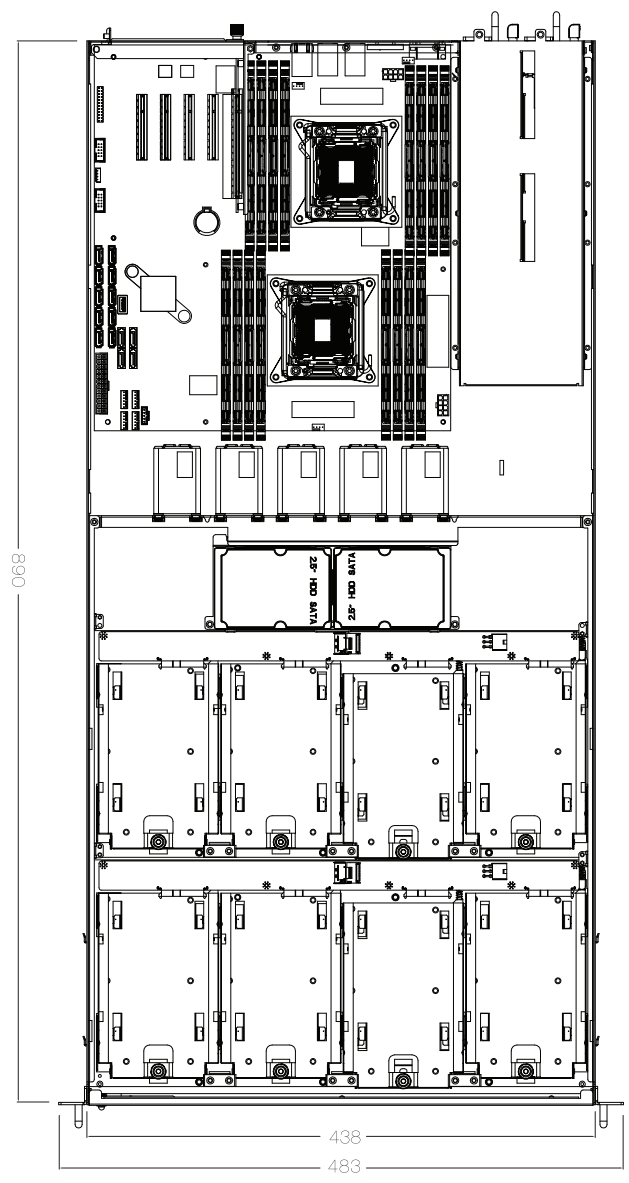
1 x 4028 + 4 x 4056 PWM easy swap fans

500W single PSU 80+ Platinum or 600W redundant PSU 80+ Gold



8 x 3.5" hot swap & tool-less

MECHANICAL DRAWING



Power supply is included. Motherboard is not included.

12G SAS JBOD

NVMe JBOD

General Purpose Server Solution

High Availability Server Solution

Storage Server Solution

Flash Barebone Server Solution

Telco Appliance Server Solution

Server Board

Rackmount Chassis

Modular Chassis

Rackmount Storage Chassis

**APPLICATIONS :** Enterprise Storage Server • Near-line Storage Server • CCTV Surveillance DVR • Digital Content Delivery  
Virtual Tape Library • Database Server • Medical Imaging • NAS / iSCSI

## RSC-15



### Features :

- High-density design for space saving (cost saving)
- 2 drawers to load up to 16 hot swap drives
- Tool-less design supports quick installation and easy maintenance:
  - Tool-less 3.5" & 2.5" drive trays
- Anti-vibration rubbers on drive trays and fans
- Silicon gaskets to absorb vibration from sides of drives
- Easy swap system fans designed to minimize rotational vibration while providing superior cooling

### SPECIFICATIONS

<b>Dimensions</b> (W x D x H)	Standard	mm : 435 x 910 x 66.6 inches : 17 x 35.8 x 2.6	
	Option	mm : 435 x 838.2 x 66.6 inches : 17 x 33 x 2.6	
<b>Industry Standard</b>	EIA-RS310D		
<b>Material</b>	Heavy-duty preplated SPGC cold-rolled steel		
<b>Color</b>	Not coated		
<b>Cooling</b>	Middle : 4 x 60x38mm PWM easy swap fans		
<b>Power Supply</b>	650W 1+1 redundant PSU 80+ Gold		
<b>Expansion Slots</b>	1 full height & 1 low profile via riser card (6th + 5th slots or 6th + 4th slots)		
<b>Front Panel</b>	System power on/off and system reset		
<b>LED Indicators</b>	Power, LAN and Drive		
<b>System Board</b>	12"(W) x 13"(D) E-ATX/SSI EEB 3.6 compliant MB		
	12"(W) x 9.6"(D) ATX (for 33" depth option)		
<b>Drive Bays</b>	Internal	3.5" hot swap	16
		2.5"	2

<b>Backplanes</b>	4 x 4-port 12Gb SAS backplanes with single SFF-8643 connector on each	
<b>Storage Temperature</b>	0°C(32°F) ~ 50°C(122°F)	
<b>Humidity</b>	5%~95% non-condensing	
<b>Gross Weight</b>	(w/ PSU & Rail)	kgs : 28
		lbs : 61.7
<b>Packaging Dimensions</b>	(W x D x H)	mm : 590 x 1070 x 280
		inches : 23.2 x 42.1 x 11
<b>Cubic Feet</b>	6.2	
<b>Container Load Quantity</b>	20'	155
	40'	150
	40' H	385
<b>Mounting</b>	Standard	30" tool-less slide rail

\* Barebone and custom cabling are available



FRONT VIEW

Two drawers, each loads 8 x 3.5" drives



REAR VIEW

650W 1+1 redundant PSU 80+ Gold

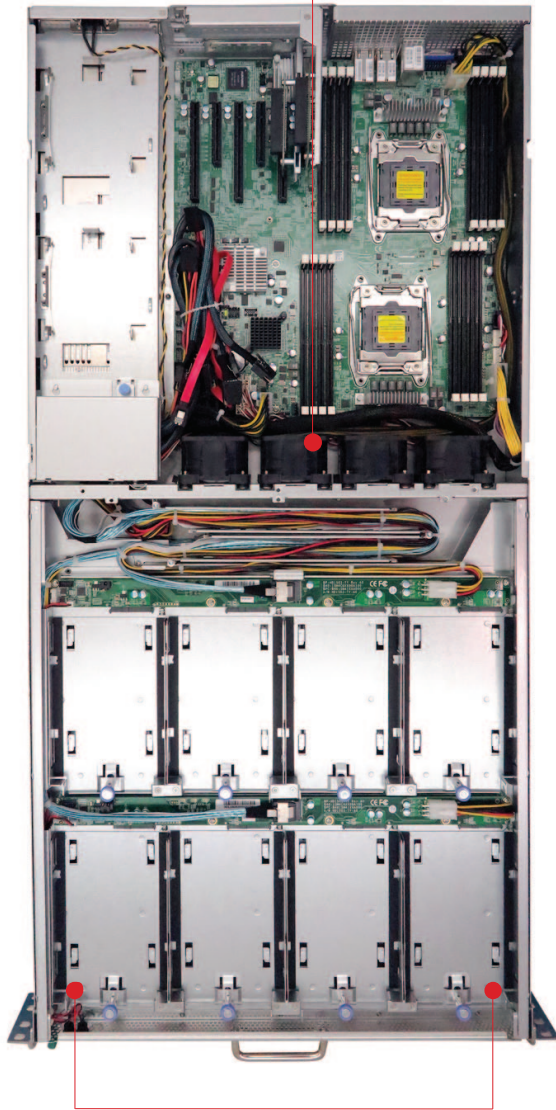


2 x slots

Top View image and Mechanical Drawing are based on the standard version (35.8" depth).

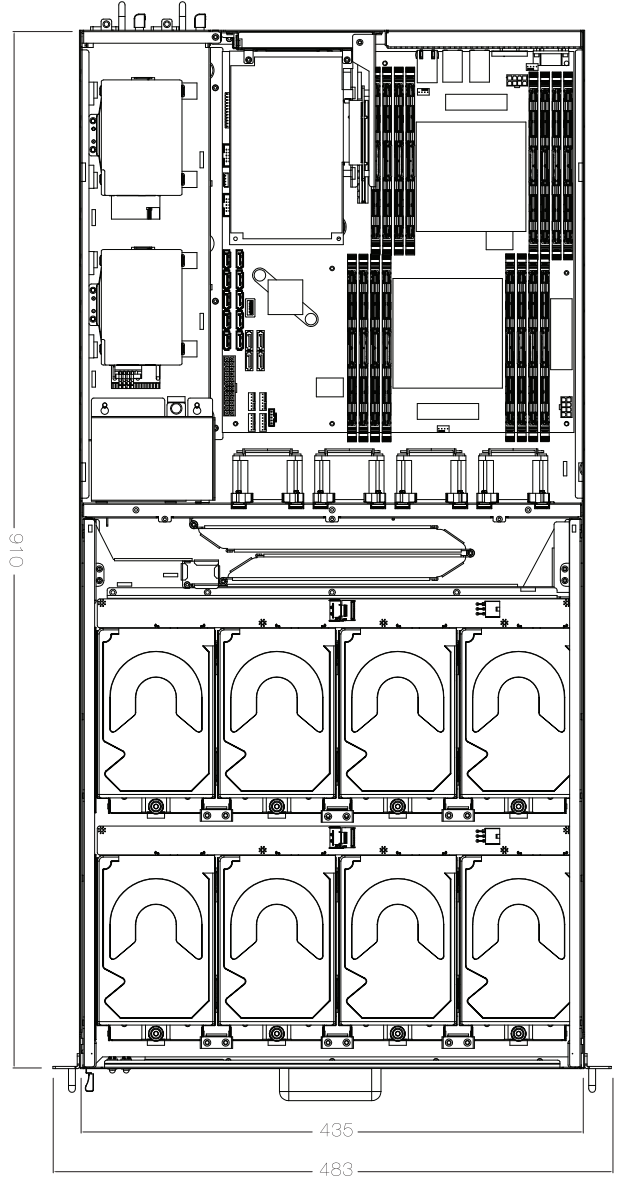
TOP VIEW

4 x 6038 PWM easy swap fans



16 x 3.5" hot swap & tool-less

MECHANICAL DRAWING



Power supply is included. Motherboard is not included.

APPLICATIONS : Video on Demand • Cache Server

## RSC-2AT



### Features :

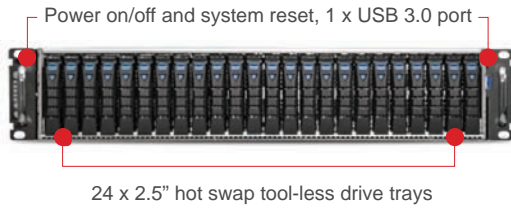
- Tool-less design supports quick installation and easy maintenance:
  - Tool-less 2.5" drive trays
  - Tool-less top covers
  - Tool-less backplane
  - Tool-less slide rails
- 12Gb/s SAS expander chip on backplane
- Specially designed hot swap and low power consumption fans minimize rotational vibration and provide superior cooling
- Comes with a redundant PSU 80+ Platinum

### SPECIFICATIONS

<b>Dimensions</b> (W x D x H)	mm : 430 x 680 x 88		
	inches : 17 x 26.8 x 3.5		
<b>Industry Standard</b>	EIA-RS310D		
<b>Material</b>	Heavy-duty preplated SPGC cold-rolled steel		
<b>Cooling</b>	Standard	Middle : 3 x 80x38mm PWM & low-power consumption hot swap fans	
	Option	650W 1+1 redundant PSU PMBus 1.2 80+ Gold	
<b>Power Supply</b>	Standard	800W 1+1 redundant PSU PMBus 1.2 80+ Platinum	
	Option	650W 1+1 redundant PSU PMBus 1.2 80+ Gold	
<b>Expansion Slots</b>	7 low profile		
<b>Front Panel</b>	Power on/off and system reset, 1 x USB 3.0 port		
<b>LED Indicators</b>	Power, LAN, Drive and Alert		
<b>System Board</b>	12"(W) x 13"(D) E-ATX/SSI EEB 3.6 compliant MB		
<b>Drive Bays</b>	External	2.5" hot swap	24
	Internal	2.5"	2

<b>Backplane</b>	Options	1 x 24-port 12Gb SAS backplane with 6 SFF-8643 connectors
		1 x 24-port 12Gb SAS backplane with a 36-PHY expander chip and 3 SFF-8643 connectors
<b>Storage Temperature</b>	0°C(32°F) ~ 50°C(122°F)	
<b>Humidity</b>	5%~95% non-condensing	
<b>Gross Weight</b>	(w/ PSU & Rail)	kgs : 24.5
		lbs : 54
<b>Packaging Dimensions</b>	(W x D x H)	mm : 590 x 850 x 290
		inches : 23.2 x 33.5 x 11.4
<b>Cubic Feet</b>	5.14	
<b>Container Load Quantity</b>	20'	185
	40'	380
	40' H	457
<b>Mounting</b>	Standard	28" tool-less slide rail

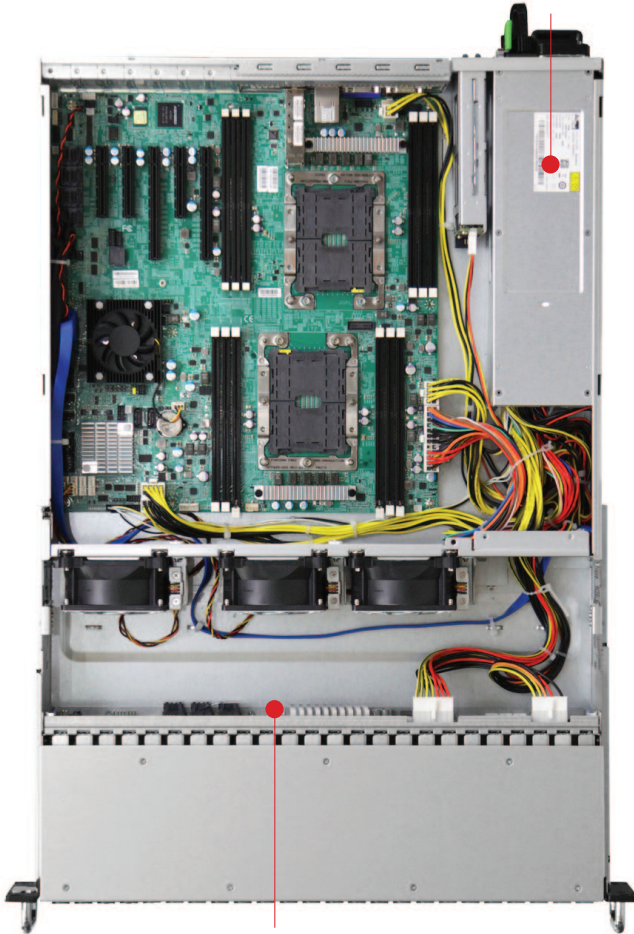
FRONT VIEW



Optional item - Front door

TOP VIEW

800W 1+1 redundant PSU PMBus 1.2 80+ Platinum



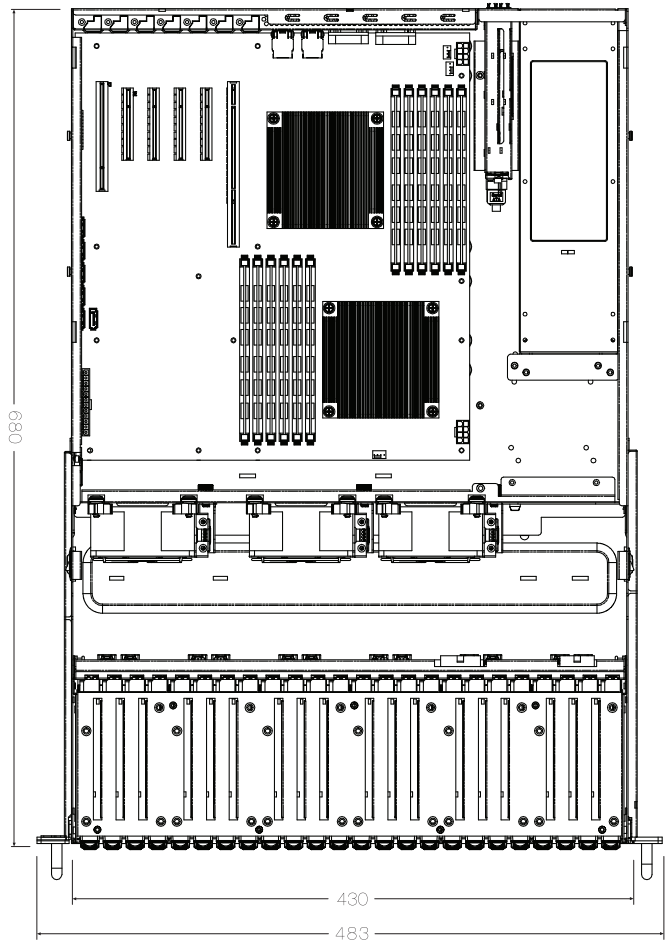
1 x 24-port 12Gb SAS backplane with 6 SFF-8643 connectors or  
 1 x 24-port 12Gb SAS backplane with a 36-PHY expander chip and 3 SFF-8643 connectors

*Power supply is included. Motherboard is not included.*

REAR VIEW



MECHANICAL DRAWING



APPLICATIONS : File Server • Database Server • Telephony / Telecom / VoIP • NAS • iSCSI

## RSC-2ET



### Features :

- Tool-less design supports quick installation and easy maintenance:
  - Tool-less 3.5" & 2.5" drive trays
  - Tool-less top covers
  - Tool-less backplane
  - Tool-less slide rails
- 12Gb/s SAS expander chip on backplane
- Specially designed hot swap and low power consumption fans minimize rotational vibration and provide superior cooling
- 3.5" drive tray comes with 4 screw holes to adapt to 2.5" drive
- One front access USB 3.0 port
- Comes with a redundant PSU 80+ Platinum

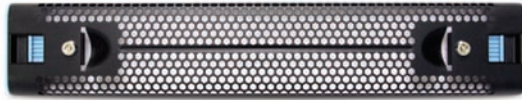
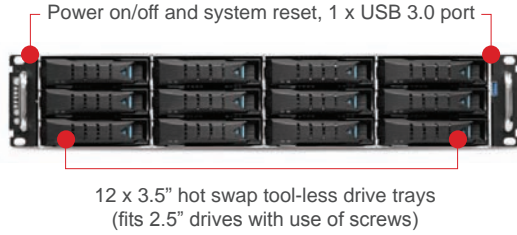
### SPECIFICATIONS

<b>Dimensions</b> (W x D x H)	mm : 430 x 680 x 88		
	inches : 17 x 26.8 x 3.5		
<b>Industry Standard</b>	EIA-RS310D		
<b>Material</b>	Heavy-duty preplated SPGC cold-rolled steel		
<b>Color</b>	Front Panel : Black		
<b>Cooling</b>	Middle : 3 x 80x38mm PWM & low-power consumption hot swap fans		
<b>Power Supply</b>	800W 1+1 redundant PSU PMBus 1.2 80+ Platinum		
<b>Expansion Slots</b>	7 low profile		
<b>Front Panel</b>	System power on/off and system reset, 1 x USB 3.0 port		
<b>LED Indicators</b>	Power, LAN, Drive and Alert		
<b>System Board</b>	12"(W) x 13"(D) E-ATX/SSI EEB 3.6 compliant MB		
<b>Drive Bays</b>	External	3.5" hot swap	12
	Internal	2.5"	2

<b>Backplane</b>	1 x 12-port 12Gb SAS backplane with 28-PHY expander chip and 3 SFF-8643 connectors	
<b>Storage Temperature</b>	0°C(32°F) ~ 50°C(122°F)	
<b>Humidity</b>	5%~95% non-condensing	
<b>Gross Weight</b>	(w/ PSU & Rail)	kgs : 29
		lbs : 63.9
<b>Packaging Dimensions</b>	(W x D x H)	mm : 590 x 885 x 288
		inches : 23.2 x 34.8 x 11.3
<b>Cubic Feet</b>	4.65	
<b>Container Load Quantity</b>	20'	205
	40'	420
	40' H	505
<b>Mounting</b>	Standard	28" tool-less slide rail



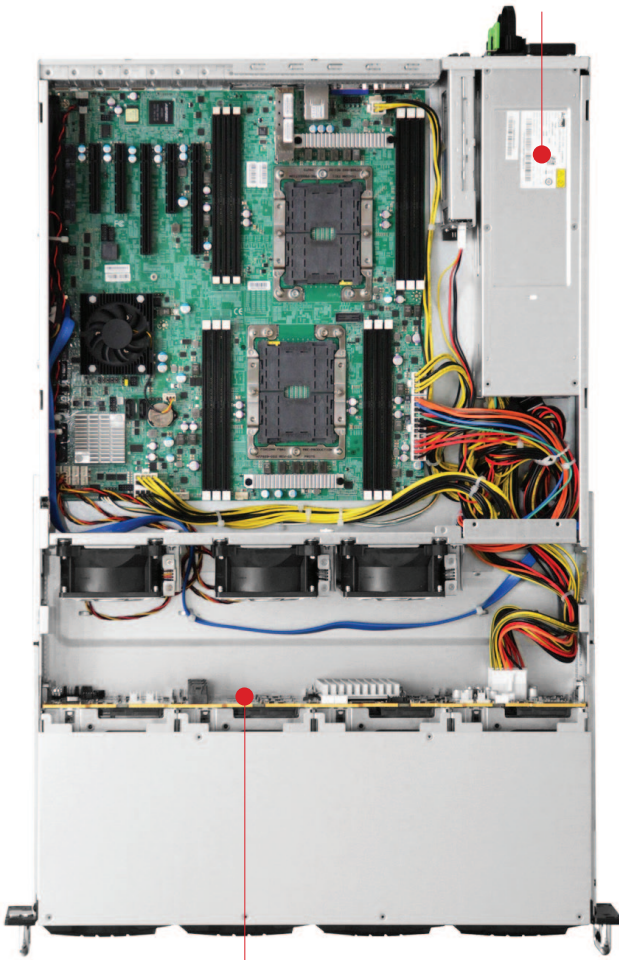
FRONT VIEW



Optional item - Front door

TOP VIEW

800W 1+1 redundant PSU PMBus 1.2 80+ Platinum



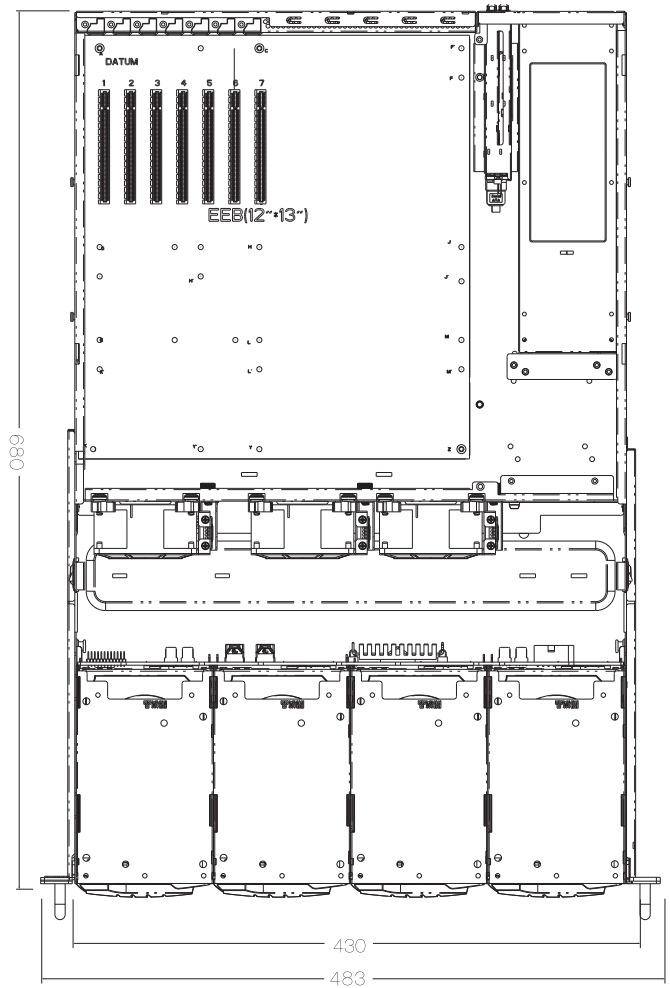
1 x 12-port 12Gb SAS backplane with 28-PHY expander chip and 3 SFF-8643 connectors

Power supply is included. Motherboard is not included.

REAR VIEW



MECHANICAL DRAWING



**APPLICATIONS :** Surveillance DVR • File Server • Database Server • Telephony / Telecom / VoIP • NAS / iSCSI

## RSC-2ETS



### Features :

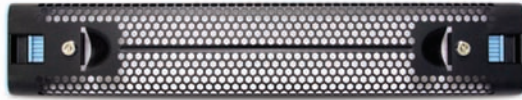
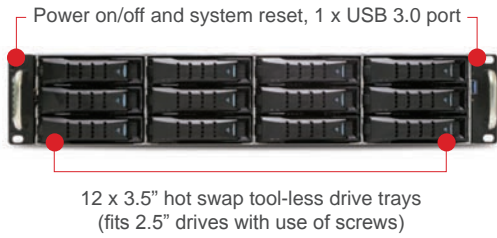
- Tool-less design supports quick installation and easy maintenance:
  - Tool-less 3.5" & 2.5" drive trays
  - Tool-less top covers
  - Tool-less backplane
  - Tool-less slide rails
- 12Gb/s SAS expander chip on backplane
- Supports power cycling on single drive
- Specially designed hot swap and low power consumption fans minimize rotational vibration and provide superior cooling
- 3.5" drive tray comes with 4 screw holes to adapt to 2.5" drive
- One front access USB 3.0 port
- Comes with a redundant PSU 80+ Platinum

### SPECIFICATIONS

<b>Dimensions</b> (W x D x H)	mm : 430 x 560 x 88		
	inches : 17 x 22 x 3.5		
<b>Industry Standard</b>	EIA-RS310D		
<b>Material</b>	Heavy-duty preplated SPGC cold-rolled steel		
<b>Color</b>	Front Panel : Black		
<b>Cooling</b>	Standard	Middle : 3 x 80x38mm PWM & low-power consumption hot swap fans	
	Standard	550W 1+1 redundant power supply PMBus 1.2 80+ Platinum	
<b>Expansion Slots</b>	7 low profile		
<b>Front Panel</b>	System power on/off and system reset, 1 x USB 3.0 port		
<b>LED Indicators</b>	Power, LAN, Drive and Alert		
<b>System Board</b>	12"(W) x 9.6"(D) ATX		
<b>Drive Bays</b>	External	3.5" hot swap	12
	Internal	2.5	1

<b>Backplane</b>	1 x 12-port 12Gb SAS backplane with 28-PHY expander chip and 3 SFF-8643 connectors	
<b>Storage Temperature</b>	0°C(32°F) ~ 50°C(122°F)	
<b>Humidity</b>	5%~95% non-condensing	
<b>Gross Weight</b>	(w/ PSU & Rail)	kgs : 23.1
		lbs : 50.9
<b>Packaging Dimensions</b>	(W x D x H)	mm : 590 x 885 x 288
		inches : 23.2 x 34.8 x 11.3
<b>Cubic Feet</b>	4.65	
<b>Container Load Quantity</b>	20'	205
	40'	420
	40' H	505
<b>Mounting</b>	Standard	28" tool-less slide rail

FRONT VIEW



Optional item - Front door

TOP VIEW

550W 1+1 redundant power supply PMBus 1.2 80+ Platinum



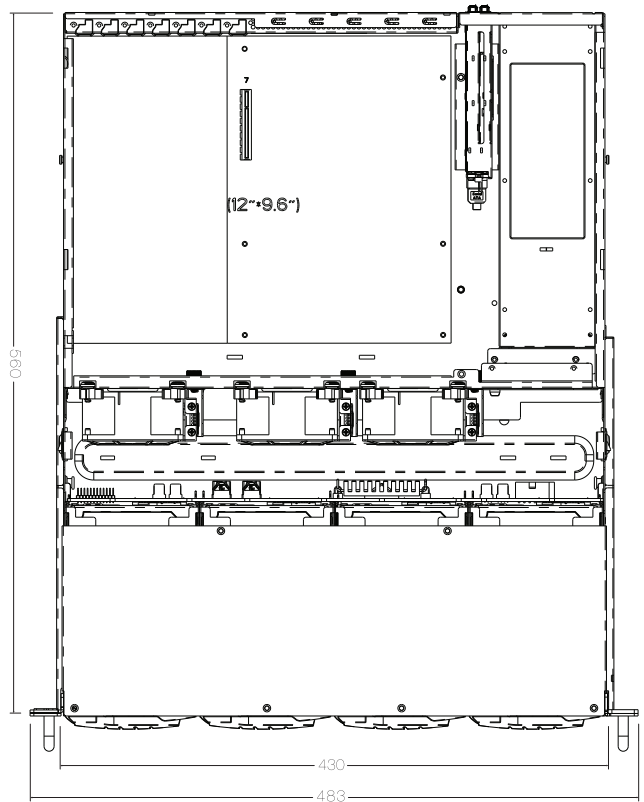
1 x 12-port 12Gb SAS backplane with 28-PHY expander chip and 3 SFF-8643 connectors

Power supply is included. Motherboard is not included.

REAR VIEW



MECHANICAL DRAWING



APPLICATIONS : NAS / iSCSI • File server • Web Server • Surveillance

## RSC-2M



### Features :

- High density storage server solution in 2U
- Tool-less HDD installation
- Expander supports 2 ports 8644 for JBOD

### SPECIFICATIONS

<b>Dimensions</b> (W x D x H)	mm : 438 x 924 x 88		
	inches : 17.2 x 36.3 x 3.46		
<b>Industry Standard</b>	EIA-RS310D		
<b>Material</b>	SGCC		
<b>Color</b>	Front Panel : Black		
<b>Cooling</b>	Middle : 3 x 8038 PWM cooling fans		
<b>Power Supply</b>	2U 1200W 1+1 redundant power supply		
<b>Expansion Slot</b>	7 low profile		
<b>Front Panel</b>	System power switch and system reset switch		
<b>LED Indicators</b>	System power, HDD, LAN 1 and LAN 2		
<b>System Board</b>	Up to 12" x 13" ATX MB		
<b>Drive Bays</b>	Internal	3.5" hot swap	24
		2.5"	2 (7mm SSD)

<b>Backplanes</b>	4-bay 12G 3.5" HDD	
<b>Storage Temperature</b>	0°C(32°F) ~ 50°C(122°F)	
<b>Humidity</b>	5%~95% non-condensing	
<b>Gross Weight</b>	(w/ PSU & Rail)	kgs : TBD
		lbs : TBD
<b>Packaging Dimensions</b>	(W x D x H)	mm : 602 x 1116 x 292
		inches : 23.7 x 45 x 11.5
<b>Cubic Feet</b>	6.92	
<b>Container Load Quantity</b>	20'	144-145
	40'	288-289
	40' H	346-347
<b>Mounting</b>	Standard	20" slide rail



FRONT VIEW



REAR VIEW

*Coming Soon*

TOP VIEW

*Coming Soon*

**MECHANICAL DRAWING**

*Coming Soon*

12G SAS JBOD

NVMe JBOD

General Purpose Server Solution

High Availability Server Solution

Storage Server Solution

Flash Barebone Server Solution

Telco Appliance Server Solution

Server Board

Rackmount Chassis

Modular Carriers

Rackmount Storage Chassis

**APPLICATIONS :** Database Server • Nearline Storage Server • Surveillance DVR • NAS / iSCSI • Digital Content Delivery • Virtual Tape Library • Enterprise Storage Server • Medical Imaging

## RSC-3ET



### Features :

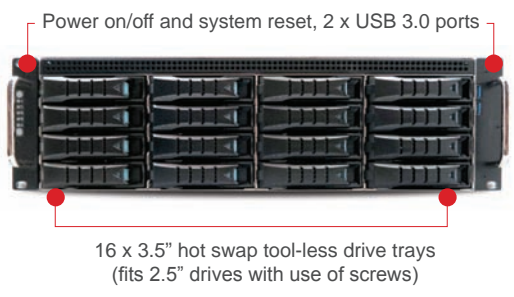
- Tool-less design supports quick installation and easy maintenance:
  - Tool-less 3.5" & 2.5" drive trays
  - Tool-less top covers
  - Tool-less backplane
  - Tool-less slide rails
- 12Gb/s SAS expander chip on backplane
- Specially designed hot swap and low power consumption fans minimize rotational vibration and provide superior cooling
- 3.5" drive tray comes with 4 screw holes to adapt to 2.5" drive
- Two front access USB 3.0 ports
- Comes with a redundant PSU 80+ Platinum

### SPECIFICATIONS

<b>Dimensions</b> (W x D x H)	mm : 430 x 680 x 133		
	inches : 17 x 26.8 x 5.2		
<b>Industry Standard</b>	EIA-RS310D		
<b>Material</b>	Heavy-duty preplated SPGC cold-rolled steel		
<b>Color</b>	Front Panel : Black		
<b>Cooling</b>	Middle : 3 x 80x38mm PWM & low-power consumption hot swap fans		
<b>Power Supply</b>	800W 1+1 redundant PSU PMBus 1.2 80+ Platinum		
<b>Expansion Slots</b>	7		
<b>Front Panel</b>	System power on/off and system reset, 2 x USB 3.0 ports		
<b>LED Indicators</b>	Power, LAN, Drive and Alert		
<b>System Board</b>	12"(W) x 13"(D) E-ATX/SSI EEB 3.6 compliant MB		
<b>Drive Bays</b>	External	3.5" hot swap	16
	Internal	2.5"	Options : • 6 x 2.5" internal • 4 x 2.5" internal and 2 x 2.5" hot swap • 4 x 2.5" internal and 1 x Slim DVD-ROM • 2 x 2.5" internal, 2 x 2.5" hot swap and 1 x Slim DVD-ROM
	Peripheral Drive	Slim DVD-ROM	

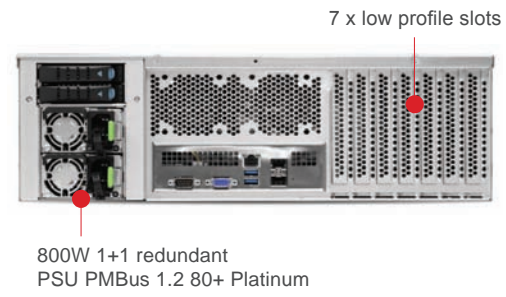
<b>Backplane</b>	1 x 16-port 12Gb SAS backplane with 28-PHY expander chip and 3 SFF-8643 connectors	
<b>Storage Temperature</b>	0°C(32°F) ~ 50°C(122°F)	
<b>Humidity</b>	5%~95% non-condensing	
<b>Gross Weight</b>	(w/ PSU & Rail)	kgs : 34
		lbs : 75
<b>Packaging Dimensions</b>	(W x D x H)	mm : 590 x 885 x 333
		inches : 23.2 x 34.8 x 13.1
<b>Cubic Feet</b>	6.03	
<b>Container Load Quantity</b>	20'	158
	40'	323
	40' H	390
<b>Mounting</b>	Standard	28" tool-less slide rail

FRONT VIEW



Optional item - Front door

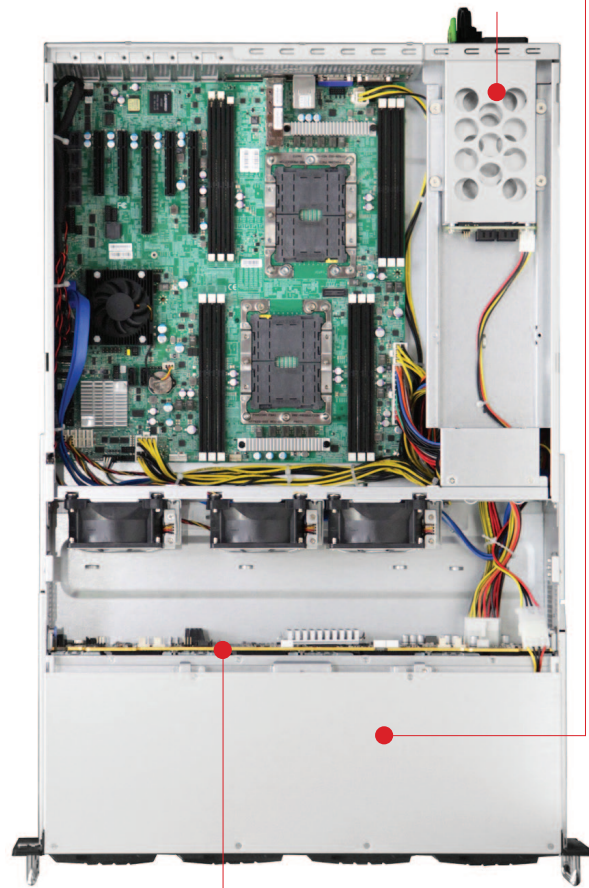
REAR VIEW



TOP VIEW

Option 2 :

- 4 x Internal 2.5" drive trays
- 2 x 2.5" hot swap drive trays

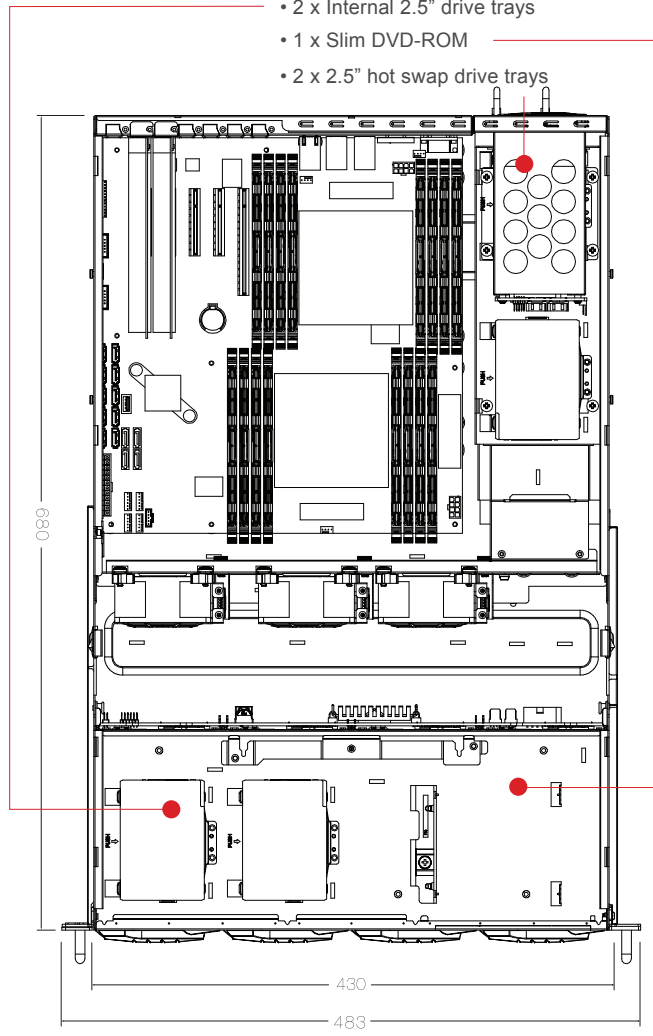


1 x 16-port 12Gb SAS backplane with 28-PHY expander chip and 3 SFF-8643 connectors

MECHANICAL DRAWING

Option 4 :

- 2 x Internal 2.5" drive trays
- 1 x Slim DVD-ROM
- 2 x 2.5" hot swap drive trays



Power supply is included. Motherboard is not included.

**APPLICATIONS :** Database Server • Nearline Storage Server • Surveillance DVR • NAS / iSCSI • Digital Content Delivery • Virtual Tape Library • Enterprise Storage Server • Medical Imaging

## RSC-3ETS



### Features :

- Tool-less design supports quick installation and easy maintenance:
  - Tool-less 3.5" & 2.5" drive trays
  - Tool-less top covers
  - Tool-less backplane
  - Tool-less slide rails
- 12Gb/s SAS expander chip on backplane
- Specially designed hot swap and low power consumption fans minimize rotational vibration and provide superior cooling
- 3.5" drive tray comes with 4 screw holes to adapt to 2.5" drive
- Two front access USB 3.0 port
- Comes with a redundant PSU 80+ Platinum

### SPECIFICATIONS

<b>Dimensions</b> (W x D x H)	mm : 430 x 560 x 133		
	inches : 17 x 22 x 5.2		
<b>Industry Standard</b>	EIA-RS310D		
<b>Material</b>	Heavy-duty preplated SPGC cold-rolled steel		
<b>Color</b>	Front Panel : Black		
<b>Cooling</b>	Standard	Middle : 3 x 80x38mm PWM & low-power consumption hot swap fans	
<b>Power Supply</b>	Standard	800W 1+1 redundant PSU PMBus 1.2 80+ Platinum	
<b>Expansion Slots</b>	7		
<b>Front Panel</b>	System power on/off and system reset, 2 x USB 3.0 ports		
<b>LED Indicators</b>	Power, LAN, Drive and Alert		
<b>System Board</b>	12"(W) x 9.6"(D) ATX		
<b>Drive Bays</b>	External	3.5" hot swap	16
	Internal	2.5"	Options : • 5 x 2.5" internal • 4 x 2.5" internal and 2 x 2.5" hot swap • 3 x 2.5" internal and 1 x Slim DVD-ROM • 2 x 2.5" internal, 2 x 2.5" hot swap and 1 x Slim DVD-ROM
	Peripheral Drive	Slim DVD-ROM	

<b>Backplane</b>	1 x 16-port 12Gb SAS backplane with 28-PHY expander chip and 3 SFF-8643 connectors	
<b>Storage Temperature</b>	0°C(32°F) ~ 50°C(122°F)	
<b>Humidity</b>	5%~95% non-condensing	
<b>Gross Weight</b>	(w/ PSU & Rail)	kgs : 26.2
		lbs : 57.8
<b>Packaging Dimensions</b>	(W x D x H)	mm : 590 x 885 x 335
		inches : 23.2 x 34.8 x 13.2
<b>Cubic Feet</b>	6.03	
<b>Container Load Quantity</b>	20'	158
	40'	323
	40' H	390
<b>Mounting</b>	Standard	28" tool-less slide rail

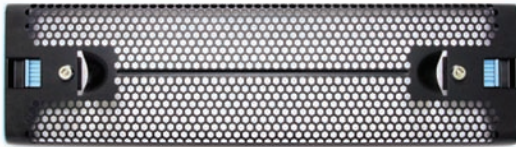


FRONT VIEW



Power on/off and system reset, 2 x USB 3.0 ports

16 x 3.5" hot swap tool-less drive trays (fits 2.5" drives with use of screws)



Optional item - Front door

REAR VIEW



7 x slots

800W 1+1 redundant PSU PMBus 1.2 80+ Platinum

TOP VIEW

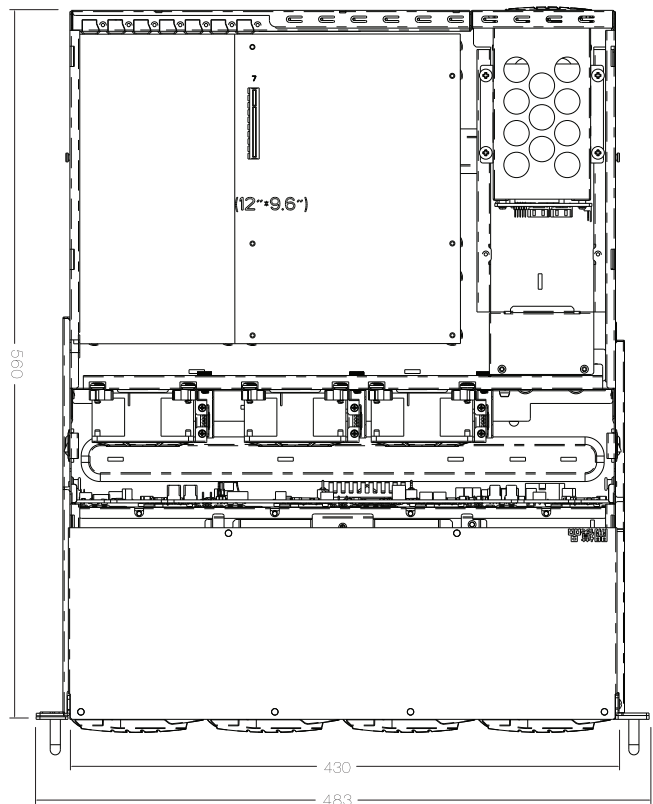
3 x 8038mm PWM & low-power consumption hot swap fans



1 x 16-port 12Gb SAS backplane with 28-PHY expander chip and 3 SFF-8643 connectors

Power supply is included. Motherboard is not included.

MECHANICAL DRAWING



**APPLICATIONS :** Database Server • Near-line Storage Server • CCTV Surveillance DVR • NAS / iSCSI • Digital Content Delivery • Virtual Tape Library • Enterprise Storage Server • Medical Imaging

## RSC-3M



### Features :

- High-density design for space saving (cost saving)
- 4 drawers to load up to 32 hot swap drives
- Tool-less design supports quick installation and easy maintenance:
  - Tool-less 3.5" & 2.5" drive trays
  - Tool-less rear top cover
- Anti-vibration rubbers on drive trays and fans
- Silicon gaskets to absorb vibration from sides of drives
- Easy swap system fans designed to minimize rotational vibration while providing superior cooling

### SPECIFICATIONS

<b>Dimensions</b> (W x D x H)	mm : 438 x 910 x 133		
	inches : 17.2 x 35.8 x 5.2		
<b>Industry Standard</b>	EIA-RS310D		
<b>Material</b>	Heavy-duty preplated SPGC cold-rolled steel		
<b>Color</b>	Not coated		
<b>Cooling</b>	Middle : 3 x 80x38mm PWM & low-power consumption hot swap fans		
<b>Power Supply</b>	1200W 1+1 redundant 80+ Gold		
<b>Expansion Slots</b>	7		
<b>Front Panel</b>	System power on/off and system reset		
<b>LED Indicators</b>	Power, LAN and Drive		
<b>System Board</b>	12"(W) x 13"(D) E-ATX/SSI EEB 3.6 compliant MB		
<b>Drive Bays</b>	Internal	3.5" hot swap	32
		2.5"	Options :
	External	2.5" hot swap	• 2 x 2.5" internal • 2 x 2.5" hot swap

<b>Backplanes</b>	8 x 4-port 12Gb SAS backplanes with single SFF-8643 connector on each	
<b>Expander Board</b>	48-port 12Gb SAS expander board with 10 SFF-8643 connectors to IOC and drives & 2 SFF-8644 connectors for connecting to JBOD	
<b>Storage Temperature</b>	0°C(32°F) ~ 50°C(122°F)	
<b>Humidity</b>	5%~95% non-condensing	
<b>Gross Weight</b>	(w/ PSU & Rail)	kgs : 47
		lbs : 103.6
<b>Packaging Dimensions</b>	(W x D x H)	mm : 1170 x 600 x 358
		inches : 46 x 23.6 x 14
<b>Cubic Feet</b>	8.8	
<b>Container Load Quantity</b>	20'	108
	40'	240
	40' H	280
<b>Mounting</b>	Standard	25" tool-less slide rail

FRONT VIEW

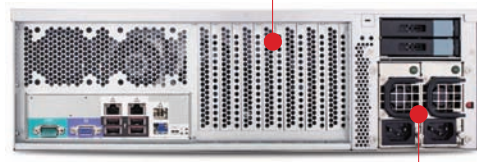
System power on/off and system reset



4 drawers, each loads 8 x 3.5" drives

REAR VIEW

7 x slots

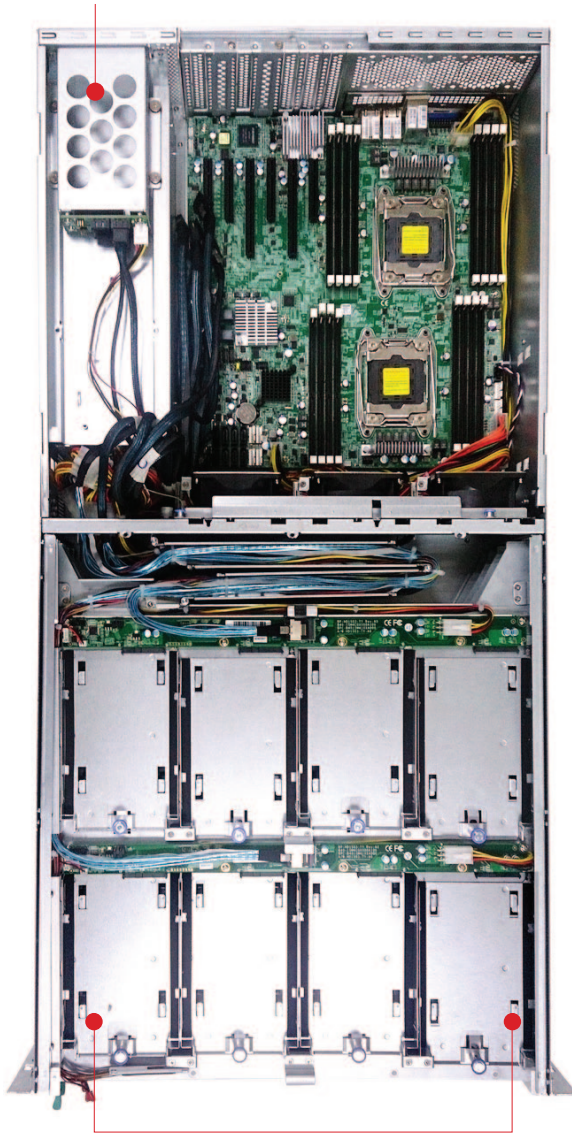


1200W 1+1 redundant 80+ Gold

TOP VIEW

Options :

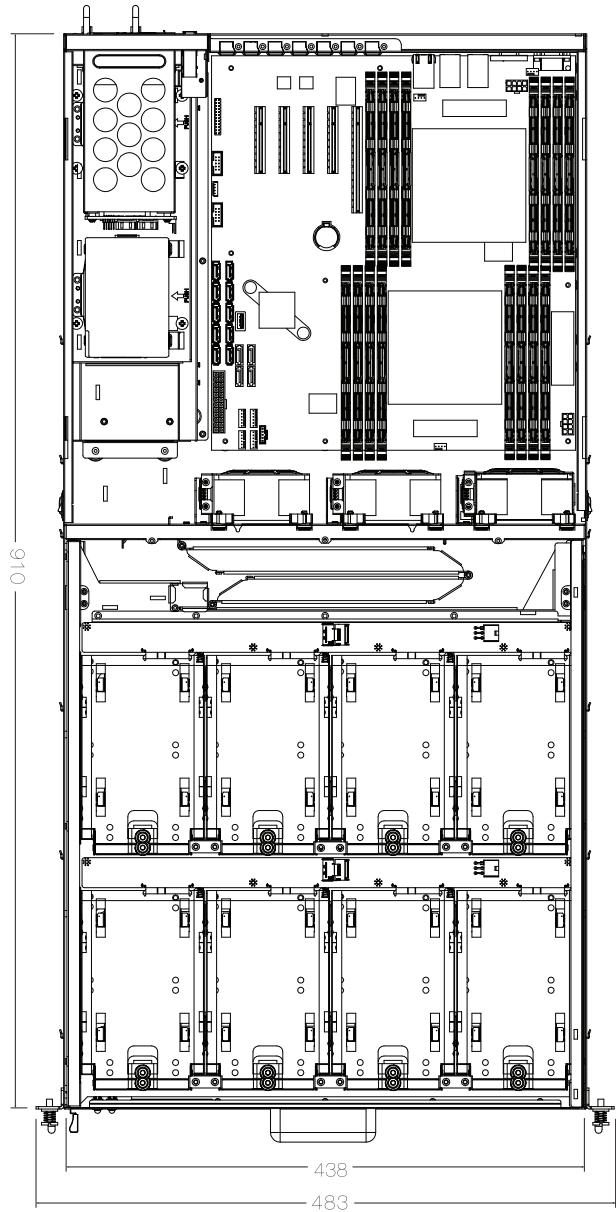
- 2 x 2.5" internal
- 2 x 2.5" hot swap



32 x 3.5" hot swap & tool-less

Power supply is included. Motherboard is not included.

MECHANICAL DRAWING



12G SAS JBOD

NVMe JBOD

General Purpose Server Solution

High Availability Server Solution

Storage Server Solution

Flash Backbone Server Solution

Telco Appliance Server Solution

Server Board

Rackmount Chassis

Modular Chassis

Rackmount Storage Chassis



APPLICATIONS : File Server • Database Server • Media Production Server • NAS / iSCSI

## RSC-4BT



### Features :

- Tool-less design supports quick installation and easy maintenance:
  - Tool-less 3.5" & 2.5" drive trays
  - Tool-less top covers
  - Tool-less backplane
  - Tool-less slide rails
- 12Gb/s SAS expander chip on backplane
- Specially designed hot swap and low power consumption fans minimize rotational vibration and provide superior cooling
- 3.5" drive tray comes with 4 screw holes to adapt to 2.5" drive
- 36 (24 front + 12 rear) bays to provide high density storage in a 4U server chassis
- Two front access USB 3.0 ports
- Comes with a redundant PSU 80+ Platinum

### SPECIFICATIONS

<b>Dimensions</b> (W x D x H)	mm : 430 x 679 x 177		
	inches : 17 x 26.7 x 7		
<b>Industry Standard</b>	EIA-RS310D		
<b>Material</b>	Heavy-duty preplated SPGC cold-rolled steel		
<b>Color</b>	Front Panel : Black		
<b>Cooling</b>	Middle : 6 x 80x38mm PWM & low-power consumption hot swap fans		
<b>Power Supply</b>	1200W 1+1 redundant PSU PMBus 1.2 80+ Platinum		
<b>Expansion Slots</b>	7 low profile		
<b>Front Panel</b>	System power on/off, system reset and 2 x USB 3.0 ports		
<b>LED Indicators</b>	Power, LAN, Drive and Alert		
<b>System Board</b>	12"(W) x 13"(D) E-ATX/SSI EEB 3.6 compliant MB		
<b>Drive Bays</b>	External	3.5" hot swap	36 (24 front + 12 rear)
	Internal	2.5"	2

<b>Backplanes</b>	1 x 24-port 12Gb SAS backplane with 36-PHY expander chip and 3 SFF-8643 connectors	
	1 x 12-port 12Gb SAS backplane with 28-PHY expander chip and 3 SFF-8643 connectors	
<b>Storage Temperature</b>	0°C(32°F) ~ 50°C(122°F)	
<b>Humidity</b>	5%~95% non-condensing	
<b>Gross Weight</b>	(w/ PSU & Rail)	kgs : 40.4
		lbs : 89
<b>Packaging Dimensions</b>	(W x D x H)	mm : 616 x 921 x 393
		inches : 24.3 x 36.3 x 15.5
<b>Cubic Feet</b>	7.6	
<b>Container Load Quantity</b>	20'	110
	40'	230
	40' H	295
<b>Mounting</b>	Standard	26" tool-less slide rail



FRONT VIEW

Power on/off and system reset, 2 x USB 3.0 ports



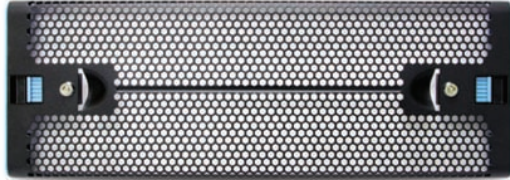
REAR VIEW

1200W 1+1 redundant PSU  
PMBus 1.2 80+ Platinum

7 x low profile slots



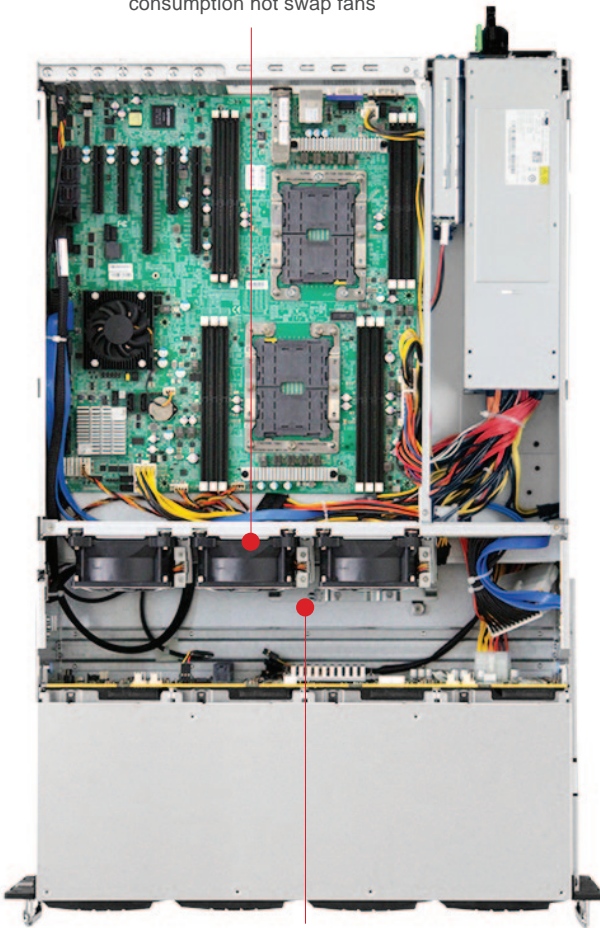
36 x 3.5" hot swap tool-less drive trays  
(fits 2.5" drives with use of screws)



Optional item - Front door

TOP VIEW

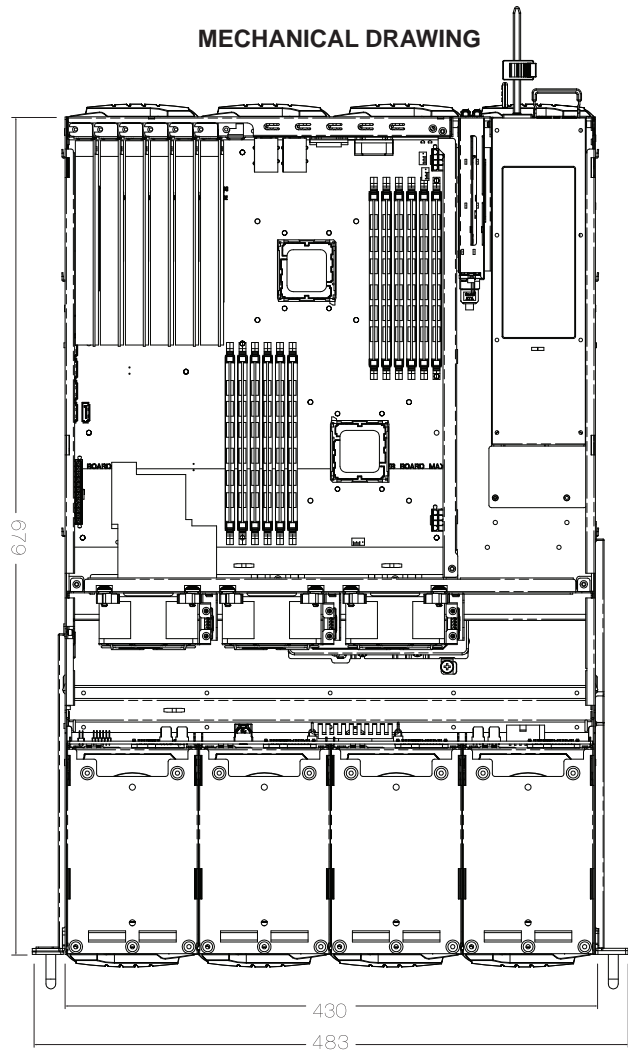
6 x 8038 PWM & low-power  
consumption hot swap fans



2 x 2.5" internal  
(below MB tray)

Power supply is included. Motherboard is not included.

MECHANICAL DRAWING



- 12G SAS JBOD
- NVMe JBOD
- General Purpose Server Solution
- High Availability Server Solution
- Storage Server Solution
- Flash Barebone Server Solution
- Telco Appliance Server Solution
- Server Board
- Rackmount Chassis
- Modular Chassis
- Rackmount Storage Chassis

APPLICATIONS : File Server • Database Server • Telephony / Telecom / VoIP • NAS • iSCSI

## RSC-4ET



### Features :

- Tool-less design supports quick installation and easy maintenance:
  - Tool-less 3.5" & 2.5" drive trays
  - Tool-less top covers
  - Tool-less backplane
  - Tool-less slide rails
- 12Gb/s SAS expander chip on backplane
- Specially designed hot swap and low power consumption fans minimize rotational vibration and provide superior cooling
- 3.5" drive tray comes with 4 screw holes to adapt to 2.5" drive
- Two front access USB 3.0 ports
- Comes with a redundant PSU 80+ Platinum

### SPECIFICATIONS

<b>Dimensions</b> (W x D x H)	mm : 430 x 680 x 177		
	inches : 17 x 26.8 x 7		
<b>Industry Standard</b>	EIA-RS310D		
<b>Material</b>	Heavy-duty preplated SPGC cold-rolled steel		
<b>Color</b>	Front Panel : Black		
<b>Cooling</b>	Middle : 3 x 120x25mm PWM hot swap fans		
<b>Power Supply</b>	1200W 1+1 redundant PSU 80+ Platinum		
<b>Expansion Slots</b>	7 full height		
<b>Front Panel</b>	System power on/off, system reset and 2 x USB 3.0 ports		
<b>LED Indicators</b>	Power, LAN, Drive and Alert		
<b>System Board</b>	12"(W) x 13"(D) E-ATX/SSI EEB 3.6 compliant MB		
<b>Drive Bays</b>	External	3.5" hot swap	24
		2.5" hot swap	Options :
	Internal	2.5"	• 2 x 2.5" internal • 2 x 2.5" hot swap

<b>Backplane</b>	1 x 24-port 12Gb SAS backplane with 36-PHY expander chip and 3 SFF-8643 connectors	
<b>Storage Temperature</b>	0°C(32°F) ~ 50°C(122°F)	
<b>Humidity</b>	5%~95% non-condensing	
<b>Gross Weight</b>	(w/ PSU & Rail)	kgs : 37
		lbs : 81.6
<b>Packaging Dimensions</b>	(W x D x H)	mm : 590 x 885 x 373
		inches : 23.2 x 34.8 x 14.7
<b>Cubic Feet</b>	6.56	
<b>Container Load Quantity</b>	20'	145
	40'	298
	40' H	358
<b>Mounting</b>	Standard	28" tool-less slide rail

FRONT VIEW

Power on/off and system reset, 2 x USB 3.0 ports



24 x 3.5" hot swap tool-less drive trays (fits 2.5" drives with use of screws)

REAR VIEW

7 x slots



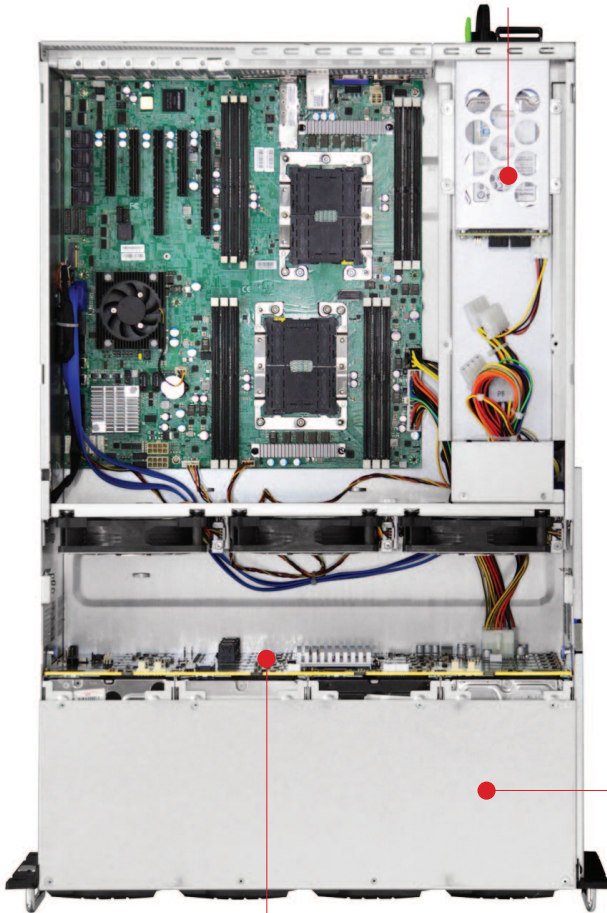
1200W 1+1 redundant PSU PMBus 1.2 80+ Platinum



Optional item - Front door

TOP VIEW

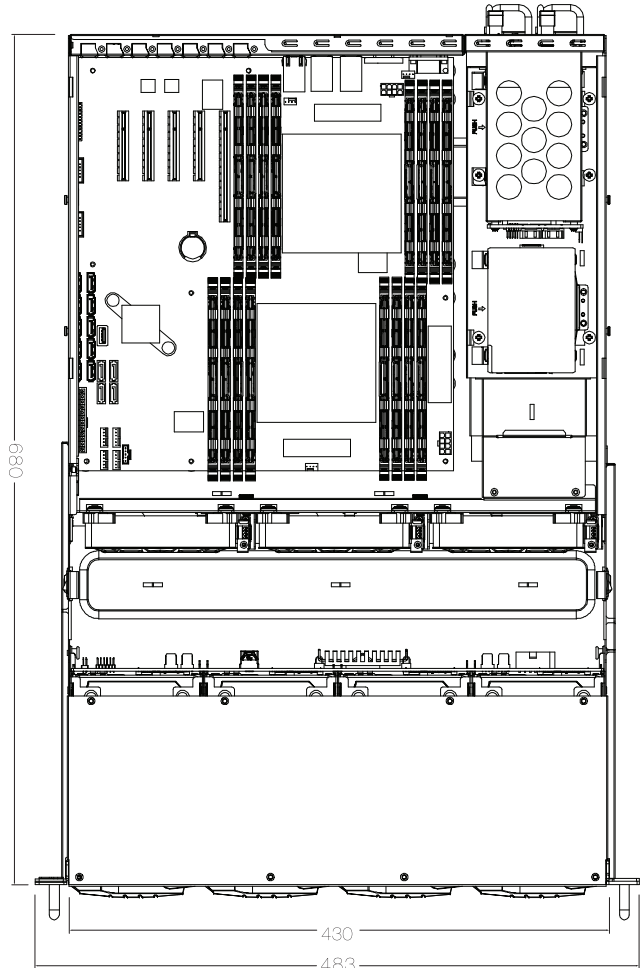
- Options :
- 2 x 2.5" internal
- 2 x 2.5" hot swap



1 x 24-port 12Gb SAS backplane with 36-PHY expander chip and 3 SFF-8643 connectors

Power supply is included. Motherboard is not included.

MECHANICAL DRAWING





**APPLICATIONS :** File Server • Database Server • Telephony / Telecom / VoIP • NAS • iSCSI

## RSC-4ETS



### Features :

- Tool-less design supports quick installation and easy maintenance:
  - Tool-less 3.5" & 2.5" drive trays
  - Tool-less top covers
  - Tool-less backplane
  - Tool-less slide rails
- 12Gb/s SAS expander chip on backplane
- Specially designed hot swap and low power consumption fans minimize rotational vibration and provide superior cooling
- 3.5" drive tray comes with 4 screw holes to adapt to 2.5" drive
- Two front access USB 3.0 port
- Comes with a redundant PSU 80+ Platinum

### SPECIFICATIONS

<b>Dimensions</b> (W x D x H)	mm : 435 x 560 x 177		
	inches : 17 x 22 x 7		
<b>Industry Standard</b>	EIA-RS310D		
<b>Material</b>	Heavy-duty preplated SPGC cold-rolled steel		
<b>Color</b>	Front Panel : Black		
<b>Cooling</b>	Standard	Middle : 3 x 120x25mm PWM hot swap fans	
<b>Power Supply</b>	Standard	800W 1+1 redundant PSU 80+ Platinum	
<b>Expansion Slots</b>	7		
<b>Front Panel</b>	System power on/off, system reset and 2 x USB 3.0 ports		
<b>LED Indicators</b>	Power, LAN, Drive and Alert		
<b>System Board</b>	12"(W) x 9.6"(D) ATX		
<b>Drive Bays</b>	External	3.5" hot swap	24
	Internal	2.5"	1 (upgradeable to 2 x 2.5" hot swap with optional kit)

<b>Backplane</b>	1 x 24-port 12Gb SAS backplane with 36-PHY expander chip and 3 SFF-8643 connectors	
<b>Storage Temperature</b>	0°C(32°F) ~ 50°C(122°F)	
<b>Humidity</b>	5%~95% non-condensing	
<b>Gross Weight</b>	(w/ PSU & Rail)	kgs : 28.4
		lbs : 62.6
<b>Packaging Dimensions</b>	(W x D x H)	mm : 590 x 885 x 373
		inches : 23.2 x 34.8 x 14.7
<b>Cubic Feet</b>	6.56	
<b>Container Load Quantity</b>	20'	145
	40'	298
	40' H	358
<b>Mounting</b>	Standard	28" tool-less slide rail



FRONT VIEW

Power on/off and system reset, 2 x USB 3.0 ports



24 x 3.5" hot swap tool-less drive trays (fits 2.5" drives with use of screws)



Optional item - Front door

REAR VIEW

7 x slots



TOP VIEW

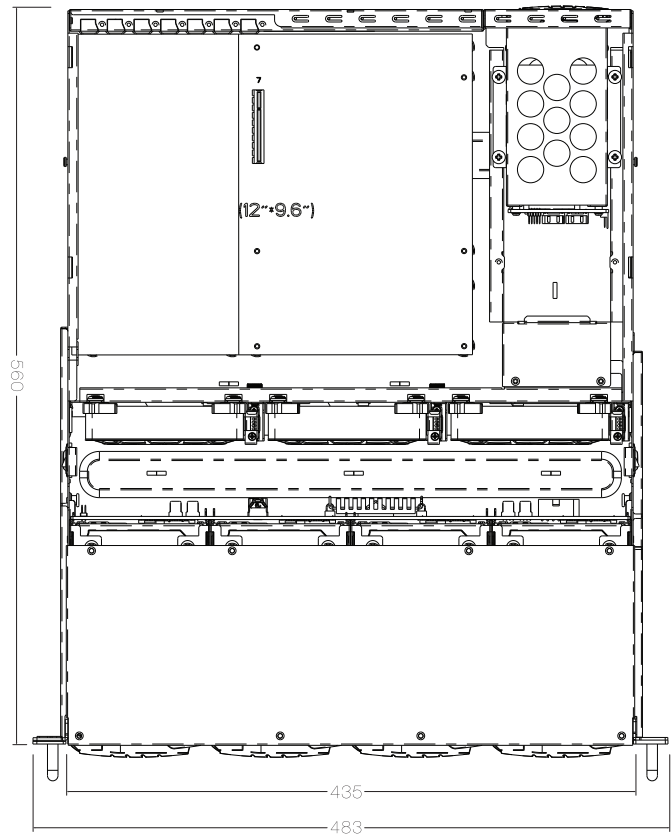
800W 1+1 redundant PSU 80+ Platinum



1 x 24-port 12Gb SAS backplane with 36-PHY expander chip and 3 SFF-8643 connectors

Power supply is included. Motherboard is not included.

MECHANICAL DRAWING



**APPLICATION :** Enterprise Storage Server • Digital Content Delivery • Virtual Tape Library • Database Server • Medical Imaging • Surveillance DVR

## RSC-4H



### Features :

- High density storage server chassis
- Tool-less design for easy maintenance:
  - 60 tool-less top-loading 3.5" drive trays with built-in light pipe for drive status LED
  - Tool-less top cover
  - Tool-less drive backplane sliding mechanism
- Hot swap cooling fans and 80+ redundant power supply
- Supports up to 2 x 2.5" hot swap drives for OS
- Supports single drive power cycle setting

### SPECIFICATIONS

<b>Dimensions</b> (W x D x H)	mm : 435 x 950 x 177		
	inches : 17 x 37.4 x 7		
<b>Industry Standard</b>	EIA-RS310D		
<b>Material</b>	Heavy-duty preplated SPGC cold-rolled steel		
<b>Color</b>	Front Panel : Black		
<b>Cooling</b>	Middle : 4 x 80x38mm PWM & low-power consumption hot swap fans		
	Rear : 2 x 60x38mm PWM easy swap fans		
<b>Power Supply</b>	Standard	1400W 1+1 redundant PSU 80+ Platinum	
<b>Expansion Slots</b>	7 full height		
<b>Front Panel</b>	System power on/off and system reset, 2 x USB 3.0 ports		
<b>LED Indicators</b>	Power, LAN, Drive and Alert		
<b>System Board</b>	12"(W) x 13"(D) E-ATX/SSI EEB 3.6 compliant MB		
<b>Drive Bays</b>	External	2.5" hot swap	2
	Internal	3.5" hot swap	60

<b>Backplanes</b>	3 x 20-port 12Gb SAS backplanes with 28-PHY expander chip and 2 SFF-8643 connectors on each	
<b>Storage Temperature</b>	0°C(32°F) ~ 50°C(122°F)	
<b>Humidity</b>	5%~95% non-condensing	
<b>Gross Weight</b>	(w/ PSU & Rail) (excluding pallet)	kgs : 43
		lbs : 94.8
<b>Packaging Dimensions</b>	(W x D x H)	mm : 603 x 1191 x 404
		inches : 23.7 x 46.88 x 15.9
<b>Cubic Feet</b>	8.8	
<b>Container Load Quantity</b>	20'	97
	40'	199
	40' H	240
<b>Mounting</b>	Standard	25" tool-less slide rail

FRONT VIEW

Power on/off, system reset and 2 x USB 3.0



REAR VIEW

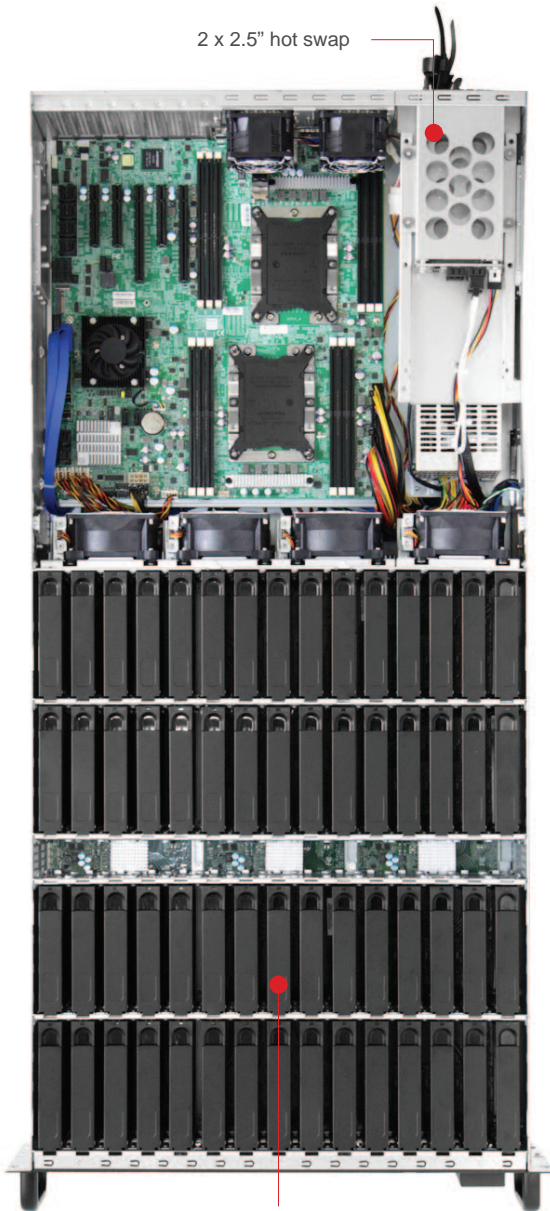
7 x slots



1400W 1+1 redundant 80+ Platinum

TOP VIEW

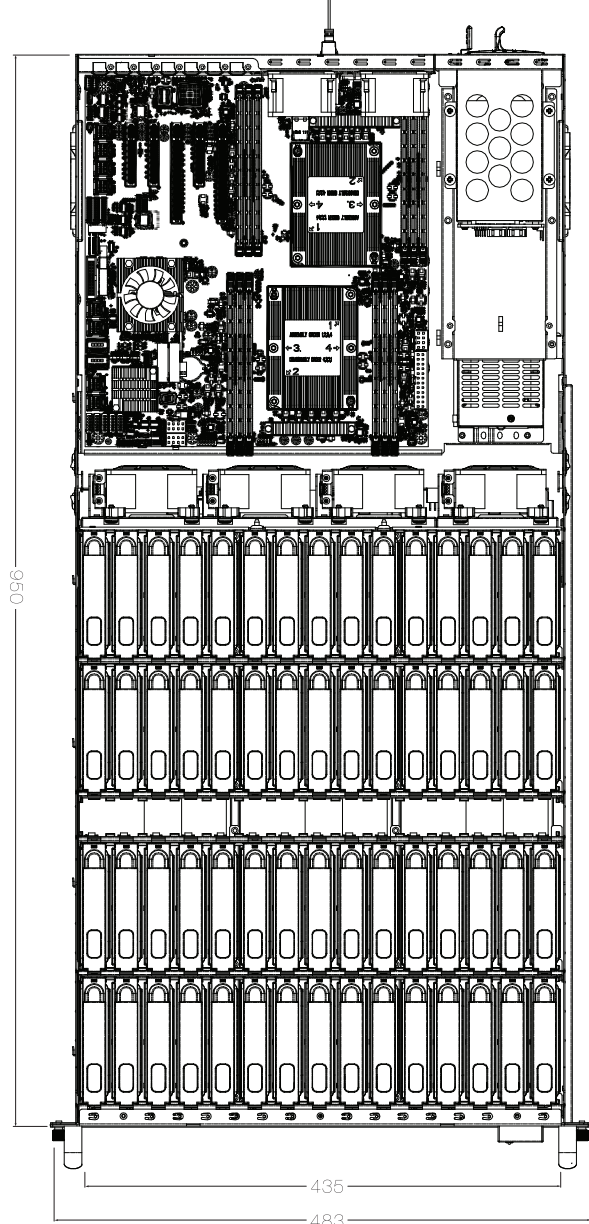
2 x 2.5" hot swap



60 x 3.5" hot swap & tool-less

Power supply is included. Motherboard is not included.

MECHANICAL DRAWING







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