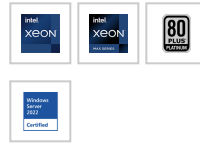


# R263-S33 (rev. AAF1) | (rev.AAL1)

Rack Server - 4th Gen Intel® Xeon® - 2U UP 12-Bay SATA/SAS | Application: AI , AI Inference , Visual Computing & HPC

- Supports up to 3 x Dual slot Gen5 GPU cards
- 4th Gen Intel® Xeon® Scalable Processors
- Intel® Xeon® CPU Max Series
- Single processor, LGA 4677
- 8-Channel RDIMM DDR5 per processor, 16 x DIMMs
- Dual ROM Architecture
- 1 x 1Gb/s LAN port (Intel® I210-AT)
- 1 x Dedicated management port
- 12 x 3.5"/2.5" SATA/SAS hot-swappable bays
- 1 x M.2 slot with PCIe Gen3 x4 interface
- 3 x FHFL PCIe Gen5 x16 slots for GPUs
- 2 x OCP 3.0 Gen5 x16 slots
- 1+1 2400W (240V) 80 PLUS Platinum redundant power supplies



OVERVIEW SPECIFICATIONS SUPPORT RESOURCES BUY

R263-S33 (rev. AAF1)

## Dimensions (WxHxD, mm)

2U  
438 x 87.5 x 710

## Motherboard

MS33-DC0

## CPU

4th Generation Intel® Xeon® Scalable Processors  
Intel® Xeon® CPU Max Series® Xeon® Platinum Processor, Intel® Xeon® Gold Processor, Intel® Xeon® Silver Processor  
Single processor, CPU TDP up to 350W

## Socket

1 x LGA 4677  
Socket E

## Chipset

Intel® C741 Chipset

## Memory

16 x DIMM slots  
DDR5 memory supported only  
8-Channel memory architecture  
RDIMM modules up to 96GB supported  
3DS RDIMM modules up to 256GB supported  
Memory speed: Up to 4800 MHz (1DPC), 4400 MHz (2DPC)

## LAN

### Rear side:

1 x 1Gb/s LAN port (1 x Intel® I210-AT)  
Supports NCSI function

1 x 10/100/1000 management LAN

## Video

Integrated in Aspeed® AST2600  
2D Video Graphic Adapter with PCIe bus interface  
1920x1200@60Hz 32gbp, DDR4 SDRAM

## Storage

### Front side:

12 x 3.5"/2.5" SATA/SAS hot-swappable bays

SAS card is required for SAS devices support

## SAS

Depends on SAS Add-on card

## RAID

Intel® SATA RAID 0/1/10/5

## Expansion Slots

### Riser Card CRS201C:

- 1 x PCIe x16 (Gen5 x16) FHFL slot, from CPU, for GPUs

### Riser Card CRS201D:

- 1 x PCIe x16 (Gen5 x16) FHFL slot, from CPU, for GPUs

### Riser Card CRS201B:

- 1 x PCIe x16 (Gen5 x16) FHFL slot, from CPU, for GPUs

2 x OCP 3.0 slots with PCIe Gen5 x16 bandwidth, from CPU  
Support NCSI function

### 1 x M.2 slot:

- M-key
- PCIe Gen3 x4, from PCH
- Supports 2280/22110 cards

## Internal I/O

1 x M.2 slot  
1 x TPM header  
1 x VROC connector  
2 x OCP 3.0 slots

## Front I/O

2 x USB 3.2 Gen1  
1 x Power button with LED  
1 x ID button with LED  
1 x NMI button  
1 x Reset button  
1 x LAN activity LED  
1 x HDD activity LED  
1 x System status LED

## Rear I/O

2 x USB 3.2 Gen1  
1 x Mini-DP  
1 x RJ45  
1 x MLAN  
1 x ID button with LED

## Backplane I/O

Speed and bandwidth:  
PCIe Gen4 x4 or SATA 6Gb/s or SAS 12Gb/s

## TPM

1 x TPM header with SPI interface  
Optional TPM2.0 kit: [CTM010](#)

## Power Supply

1+1 2400W (240V) 80 PLUS Platinum redundant power supplies

### AC Input:

- Max 1000W/ 120V  
- 100-127V~/ 12.5A, 47-63Hz  
- 180-240V~/ 14.5A, 47-63Hz

### DC Input:

- 240Vdc/ 12A

### DC Output:

- Max 1000W/ 100-127V~  
+ 12V/ 84A  
+ 12Vsb/ 3A  
- Max 2200W/ 180-200V~  
+ 12V/ 180A  
+ 12Vsb/ 3.5A  
- Max 2400W/ 200-240V~ or 240Vdc  
+ 12V/ 197A  
+ 12Vsb/ 3.5A

### NOTE:

1. The system power supply requires C19 power cord
2. The default power supply is based on a basic system configuration. Please contact with technical representatives to determine the best power supply selection for your system configuration requirements and preferred efficiency.

## System Management

Aspeed® AST2600 management controller  
GIGABYTE Management Console (AMI MegaRAC SP-X) web interface

### Dashboard

HTML5 KVM  
Sensor Monitor (Voltage, RPM, Temperature, CPU Status ...etc)  
Sensor Reading History Data  
FRU Information  
SEL Log in Linear Storage / Circular Storage Policy  
Hardware Inventory  
Fan Profile  
System Firewall  
Power Consumption  
Power Control  
Advanced power capping  
LDAP / AD / RADIUS Support  
Backup & Restore Configuration  
Remote BIOS/BMC/CPLD Update  
Event Log Filter  
User Management  
Media Redirection Settings  
PAM Order Settings  
SSL Settings  
SMTP Settings

## OS Compatibility

Please refer to OS compatibility table in support page

**Additional certifications:**  
[Windows Server 2022 \(x64\)](#)

## System Fans

4 x 80x80x38mm (18,300rpm)

## Operating Properties

Operating temperature: 10°C to 35°C  
Operating humidity: 8%-80% (non-condensing)  
Non-operating temperature: -40°C to 60°C  
Non-operating humidity: 20%-95% (non-condensing)