

# R264-S33-AAL1

Rack Server - 2U UP 3 x PCIe Gen5 GPUs



## Key Features

- Supports 3 x Dual-slot Gen5 GPU cards
- Single Intel® Xeon® 6 Processors, LGA 4710
- 8-Channel DDR5 RDIMM / MCR DIMM, 16 x DIMMs
- Dual ROM Architecture
- 1 x 1Gb/s LAN port via Intel® I210-AT
- 4 x 3.5"/2.5" Gen5 NVMe/SATA/SAS-4 hot-swappable bays
- 8 x 3.5"/2.5" SATA/SAS-4 hot-swappable bays
- 1 x M.2 slot with PCIe Gen5 x2 interface
- 3 x FHFL PCIe Gen5 x16 slots for GPUs
- 1 x OCP 3.0 Gen5 x16 slot
- 1+1 2700W 80 PLUS Titanium redundant power supplies

## Application

AI, AI Inference, AI Training, Visual Computing, High-Performance Computing, Networking, Hybrid/Private Cloud Server...

## Specification

<b>Dimensions</b>	2U (W438 x H87.5 x D710 mm)	<b>Backplane Board</b>	PCIe Gen5 x4 or SATA 6Gb/s or SAS-4 24Gb/s
<b>Motherboard</b>	MS34-DC0	<b>Security Modules</b>	1 x TPM header with SPI interface - Optional TPM2.0 kit: CTM012 1 x PRoT module connector (M.2 M-key) - Optional PRoT module (AST1060 solution): CSC1200
<b>CPU</b>	Intel® Xeon® 6 Processors - Intel® Xeon® 6700E-Series Processors - Intel® Xeon® 6700P-Series Processors - Intel® Xeon® 6500P-Series Processors Single processor, TDP up to 350W	<b>Power Supply</b>	1+1 2700W 80 PLUS Titanium redundant power supplies AC Input: 100-240V *The system power supply requires C19 power cord.
<b>Sock</b>	1 x LGA 4710 (Socket E2)	<b>System Management</b>	ASPEED® AST2600 management controller GIGABYTE Management Console (AMI MegaRAC SP-X)
<b>Chipset</b>	System on Chip	<b>System Fans</b>	4 x 80x80x38mm (18,300rpm)
<b>Memory</b>	8-Channel DDR5 RDIMM / MCR DIMM, 16 x DIMM slots RDIMM: Up to 6400 MT/s (1DPC), 5200 MT/s (2DPC) MCR DIMM: Up to 8000 MT/s (*MCR DIMMs are only supported with Intel Xeon 6 Processors with P-cores and in a 1DPC configuration.)	<b>Operating Properties</b>	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)
<b>LAN</b>	1 x 1Gb/s LAN port (1 x Intel® I210-AT) - supports NCSI function 1 x 10/100/1000 Mbps Management LAN	<b>Packaging Content</b>	1 x R264-S33-AAL1, 1 x CPU heatsink, 2 x Carriers, 1 x Mini-DP to D-Sub cable, 1 x 2-Section Rail kit, 1 x GPU power cable (12VHPWR, 250mm), 1 x GPU power cable (12VHPWR, 350mm), 1 x GPU power cable (12VHPWR, 550mm)
<b>Video</b>	ASPEED® AST2600 Integrated 2D Graphic Adapter	<b>Part Numbers</b>	Barebone package: 6NR264S33DR000AAL1* - 2-Section Rail kit (CMA not supported): 25HB2-3A0203-K0R - CPU heatsink: 25ST1-4Z3200-S7R - GPU power cable (12VHPWR, 250mm): 25CRI-250107-Y4R - GPU power cable (12VHPWR, 350mm): 25CRI-350006-Y4R - GPU power cable (12VHPWR, 550mm): 25CRI-550107-Y4R - Mini-DP to D-Sub cable: 25CRN-200801-K1R - Power supply: 25EP0-227000-D0S
<b>Storage</b>	4 x 3.5"/2.5" Gen5 NVMe/SATA/SAS-4* hot-swappable bays 8 x 3.5"/2.5" SATA/SAS-4* hot-swappable bays *SAS card is required to support SAS drives.		
<b>RAID</b>	Require RAID add-in cards		
<b>Expansion Slots</b>	3 x FHFL PCIe Gen5 x16 slots for GPUs 1 x OCP 3.0 Gen5 x16 slot (supports NCSI function) 1 x M.2 slot (M-key, PCIe Gen5 x2, support 2280/22110 cards)		
<b>I/O Ports</b>	Front: 2 x USB 3.2 Gen1 Rear: 2 x USB 3.2 Gen1, 1 x Mini-DP, 1 x RJ45, 1 x MLAN		



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