

R163-S32-AAC2

1U UP 12-Bay NVMe/SATA/SAS Rack Server



Features

- 4th Gen Intel® Xeon® Scalable Processors
- Intel® Xeon® CPU Max Series
- Single processor, LGA4677
- 8-Channel RDIMM DDR5 per processor, 16 x DIMMs
- Supports Intel® Optane™ Persistent Memory 300 series
- Dual ROM Architecture supported
- 1 x 1Gb/s LAN port (Intel® I210-AT)
- 1 x Dedicated management port
- 8 x SATA + 4 x Gen4 NVMe/SATA 2.5" hot-swappable bays
- Ultra-Fast M.2 with PCIe Gen3 x4 interface
- 2 x PCIe Gen5 x16 expansion slots
- 2 x OCP 3.0 Gen5 x16 mezzanine slots
- Dual 1300W 80 PLUS Platinum redundant power supply

Specification

Dimensions	1U (W438 x H43.5 x D710 mm)	Rear I/O	2 x USB 3.2 Gen1, 1 x Mini-DP, 1 x RJ45, 1 x MLAN
Motherboard	MS33-DC0	Backplane I/O	PCIe Gen4 x4 or SATA 6Gb/s or SAS 12Gb/s
CPU	4th Generation Intel® Xeon® Scalable Processors Intel® Xeon® CPU Max Series Intel® Xeon® Platinum Processor, Intel® Xeon® Gold Processor, Intel® Xeon® Silver Processor CPU TDP up to 350W	TPM	1 x TPM header with SPI interface (Optional TPM2.0 kit: CTM010)
Socket	1 x LGA 4677 (Socket E)	Power Supply	Dual 1300W 80 PLUS Platinum redundant power supply AC Input: 100-240V
Chipset	Intel® C741 Chipset	System Management	Aspeed® AST2600 management controller GIGABYTE Management Console (AMI MegaRAC SP-X)
Memory	8-Channel DDR5 memory, 16 x DIMM slots RDIMM modules up to 128GB supported 3DS RDIMM modules up to 256GB supported Memory speed: Up to 4800 MHz (1DPC), 4400 MHz (2DPC)	OS Compatibility	Windows Server 2019 / 2011 RHEL 8.4 / 8.5 / 8.6 / 8.7 / 9.0 / 9.1 (x64) SLES 15 SP3 / 15 SP4 (x64) Ubuntu 22.04 LTS / 22.04.1 LTS (x64) VMware ESXi 7.0 Update 3i / 8.0
LAN	1 x 1Gb/s LAN ports (1 x Intel® I210-AT) Supported NCSI function 1 x 10/100/1000 management LAN	System Fans	4 x 40x40x56mm (29,700rpm) 2 x 40x40x28mm (25,000rpm)
Video	Integrated in Aspeed AST2600 2D Video Graphic Adapter with PCIe bus interface 1920x1200@60Hz 32bpp, DDR4 SDRAM	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)
Storage	8 x 2.5" SATA/SAS hot-swappable bays 4 x 2.5" Gen4 NVMe/SATA/SAS hot-swappable bays SAS card is required for SAS devices support	Packaging Content	1 x R163-S32, 1 x CPU heatsink, 1 x Mini-DP to D-Sub cable, 3 x Carrier clips, 1 x Rail kit
RAID	Intel® SATA RAID 0/1/10/5	Reference Numbers	Barebone package: 6NR163S32DR000AAC2* - Motherboard: 9MS33DC0UR-000 - Rail kit: 25HB2-3A0203-K0R - CPU heatsink: 25ST1-4Z3200-S7R - Front panel board: 9CFP1030NR-00 - Back plane board: 9CBP10C0NR-00 - Mini-DP to D-Sub cable: 25CRN-200801-K1R - Power supply: 25EP0-213006-F3S
Expansion Slots	2 x PCIe Gen5 x16 FHHL slots 2 x PCIe Gen5 x16 OCP 3.0 slots - Supporte NCSI function 1 x M.2 slot (M-key, PCIe Gen3 x4, NGFF-2280/22110)		
Front I/O	1 x USB 3.2 Gen1		



Learn more about GIGABYTE server solutions, visit www.gigabyte.com/Enterprise

* All specifications are subject to change without notice. Please visit our website for the latest information.

* Intel, the Intel logo, Xeon, and other Intel marks are trademarks of Intel Corporation or its subsidiaries.

* All other brands, logos and names are property of their respective owners.

© 2023 Giga Computing Technology Co., Ltd. All rights reserved.