

G262-IR0

HPC Server - 2U DP SXM4 A100 4-GPU



Features

- Hardware-level root of trust support
- Supports NVIDIA HGX™ A100 with 4 x SXM4 GPU
- Supports NVIDIA® NVLink® and NVSwitch™ technology
- Up to 600GB/s GPU to GPU interconnection
- Dual 3rd Gen. Intel® Xeon® Scalable Processors
- 8-Channel RDIMM/LRDIMM DDR4, 16 x DIMMs
- Intel® C621A Express Chipset
- Dual ROM Architecture supported
- 1 x dedicated management port
- 4 x 2.5" Gen4 U.2 NVMe/ SATA hot-swap HDD/SSD bays
- 6 x Low profile Gen4 x16 expansion slots
- 1 x OCP 3.0 Gen4 x16 mezzanine slot
- 2+0 3000W 80 PLUS Platinum power supply

Specification

Dimensions	2U (W448 x H86.8 x D800 mm)	Backplane I/O	4 x 2.5" NVMe/ SATA hybrid ports Speed and bandwidth: PCIe Gen4 or SATA 6Gb/s
Motherboard	MH62-HD2	TPM	1 x TPM header with SPI interface Optional TPM2.0 kit: CTM010
CPU	3rd Generation Intel® Xeon® Scalable Processors Dual processors, 10nm technology CPU TDP up to 270W	Power Supply	Dual 3000W 80 PLUS Platinum power supply AC Input: 100-240V
Socket	2 x LGA 4189 (Socket P+)	System Management	Aspeed® AST2600 management controller GIGABYTE Management Console (AMI MegaRAC SP-X)
Chipset	Intel® C621A Express Chipset	OS Compatibility	Windows Server 2016 / 2019 RHEL 8.2 (x64) / 8.3 (x64) or later SLES 12 SP5 (x64) / 15 SP2 (x64) or later Ubuntu 20.04 LTS (x64) / 20.04.1 LTS (x64) or later VMware ESXi 6.7 Update3 P03 / 7.0 Update2 Citrix Hypervisor 8.2.0
Memory	8-Channel DDR4 memory, 32 x DIMM slots RDIMM/LRDIMM modules up to 128GB supported 3DS RDIMM/LRDIMM modules up to 256GB supported 1.2V modules: 3200/2933/2666 MHz	System Fans	2 x 60x60x76mm (21,700rpm) 5 x 80x80x80mm (17,000rpm)
LAN	1 x Dedicated management ports	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)
Video	Integrated in Aspeed® AST2600 2D Video Graphic Adapter with PCIe bus interface 1920x1200@60Hz 32bpp, DDR4 SDRAM	Packaging Content	1 x G262-IR0 2 x CPU fan-sinks 1 x Rail kit
Storage	4 x 2.5" Gen4 U.2 NVMe/ SATA/ SAS hot-swap HDD/SSD bays	Reference Numbers	Barebone with rail kit: 6NG262ZR0MR-800 (80GB module) - Motherboard: 9MH62HD2NR-00 - Rail kit: 25HB2-A86102-K0R - GPU heat-sink: 25ST1-2532G0-F2R - Power supply: 25EP0-230003-DO5
SAS	Depends on optional SAS card		
Expansion Slots	4 x SXM4 sockets for NVIDIA HGX™ A100 4-GPU 40GB/80GB 6 x Low-profile PCIe Gen4 x16 expansion slots 1 x OCP 3.0 Gen4 x16 mezzanine slot		
Front I/O	2 x USB 3.0 1 x D-Sub VGA 1 x MLAN		
Rear I/O	-		



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