

G221-Z30

HPC Server - 2U UP 2 x GPUs



Features

- Supports up to 2 x double slot GPU cards
- Single AMD EPYC™ 7003 Series processors
- 8-Channel RDIMM/LRDIMM DDR4, 16 x DIMMs
- 2 x SFP+ 10Gb/s LAN ports (Broadcom® BCM 57810S)
- 1 x Dedicated management port
- 16 x 2.5" SATA/SAS hot-swappable HDD/SSD bays
- Ultra-Fast M.2 with PCIe Gen3 x4 interface
- 6 x PCIe Gen3 expansion slots
- Aspeed® AST2500 remote management controller
- Dual 1200W 80 PLUS Platinum redundant power supply

Specification

Dimensions	2U (W430 x H87 x D710 mm)	Backplane I/O	Backplane P/N: 9CBP2001NR-00 Speed and bandwidth: SAS 12Gb/s, SATA 6Gb/s
Motherboard	MZ31-AR0 Rev. 3.0	TPM	1 x TPM header with LPC interface Optional TPM2.0 kit: CTM000
CPU	AMD EPYC™ 7003 Series processors Single processor, 7nm, Socket SP3 Up to 64-core, 128 threads per processor TDP up to 225W, cTDP up to 280W, Fully support 280W Compatible with AMD EPYC™ 7002 Series processors	Power Supply	2 x 1200W 80 PLUS Platinum redundant power supply AC Input: 100-240V
Chipset	System on Chip	System Management	Aspeed® AST2500 management controller GIGABYTE Management Console (AMI MegaRAC SP-X)
Memory	8-Channel DDR4 memory, 16 x DIMM slots RDIMM/LRDIMM modules up to 128GB supported 3DS RDIMM/LRDIMM modules up to 256GB supported Memory speed: Up to 3200/2933 MHz	OS Compatibility	Windows Server 2016 / 2019 RHEL 8.3 (x64) or later SLES 12 SP5 (x64) / 15 SP2 (x64) or later Ubuntu 18.04.5 LTS (x64) / 20.04 LTS (x64) or later VMware ESXi 6.7 Update3 P03 / 7.0 Update1 or later Citrix Hypervisor 8.2.0 or later
LAN	2 x SFP+ 10Gb/s LAN ports (Broadcom® BCM 57810S) 1 x 10/100/1000 management LAN	System Fans	4 x 80x80x38mm (16300rpm)
Video	Integrated in Aspeed® AST2500 2D Video Graphic Adapter with PCIe bus interface 1920x1200@60Hz 32bpp	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	16 x 2.5" SATA/SAS hot-swappable HDD/SSD bays Default supports: 8 x SATA drives SAS card is required for SAS devices support	Package Contents	1 x G221-Z30 system, 1 x CPU heatsink, 1 x Rail kit
Expansion Slots	2 x PCIe x16 (Gen3 x16 or x8) slots, full-height full-length 2 x PCIe x8 (Gen3 x0 or x8) slots, full-height half-length 1 x PCIe x16 (Gen3 x16) slot, low-profile 1 x PCIe x16 (Gen3 x8) slot, low-profile 1 x M.2 slot (Gen3 x4)	Reference Numbers	Rackmount: 6NG221Z30MR-00 Rev. B00 Motherboard: 9MZ31AR0NR-00 Rev. 3.0 CPU heatsink: 25ST1-44320G-A0R Back plane board: 9CBP2001NR-00 Fan module: 25ST2-883829-D0R Power supply: 25EP0-212002-F3S Rail Kit: 25HB2-3A6804-I0R
Front I/O	-		
Rear I/O	2 x USB 3.0, 2 x USB 2.0, 1 x VGA, 1 x COM, 2 x SFP+, 1 x MLAN		



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