

GIGABYTE G221-Z30 2U SERVER



EIGENSCHAPPEN

- Supports up to 2 x double slot GPU cards
- AMD EPYC™ 7001 series processor family
- 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" hot-swappable HDD/SSD bays
- Ultra-Fast M.2 with PCIe Gen3 x4 interface
- 4 x PCIe Gen3 expansion slots
- 2 x PCIe Gen3 expansion slots for RAID and LAN cards
- Aspeed® AST2500 remote management controller
- Dual 1200W 80 PLUS Platinum redundant power supply



SPECIFICATIES

Dimensions (WxHxD, mm)	2U 430 x 87 x 710 mm
Motherboard	MZ31-AR0
CPU	AMD EPYC™ 7001 series processor family Single processor, 14nm, Socket SP3 Up to 32-core, 64 threads TDP up to 200W
Chipset	System on Chip
Memory	16 x DIMM slots DDR4 memory supported only 8-Channel memory architecture RDIMM modules up to 64GB supported LRDIMM modules up to 128GB supported Memory speed: 2667(1DPC)/2400/2133* MHz - Note: Memory speed run at 2133MHz when 1R/2R memory modules are fully populated
LAN	2 x SFP+ 10Gb/s LAN ports (Broadcom® BCM 57810S) 1 x 10/100/1000 management LAN
Video	Integrated in Aspeed® AST2500 2D Video Graphic Adapter with PCIe bus interface 1920x1200@60Hz 32bpp
Audio	-
Storage	16 x 2.5" SATA/SAS hot-swappable HDD/SSD bays
SAS	-
RAID	-
Peripheral Drives	-



Expansion Slots	Riser Card CRS2010: - 1 x PCIe x16 slots (Gen3 x16 or x8), Full height full-length - 1 x PCIe x8 slots (Gen3 x8 or x0), Full height half-length Riser Card CRS2012: - 1 x PCIe x8 slots (Gen3 x8 or x0), Full height half-length - 1 x PCIe x16 slots (Gen3 x16 or x8), Full height full-length 2 x PCIe x16 slots (Gen3 x8), Low profile half-length for RAID and LAN HBAs 1 x M.2 slot: - M-key - PCIe Gen3 x4 - Supports NGFF-2242/2260/2280 cards
Internal I/O	1 x 24-pin ATX main power connector 2 x 8-pin ATX 12V power connectors 4 x SlimSAS connectors 1 x M.2 slot 2 x CPU fan headers 5 x System fan headers 1 x USB 3.0 header 1 x USB 2.0 header 1 x COM_2 header 1 x TPM header 1 x Front panel header 2 x LAN activity LED 1 x HDD back plane board header 1 x PMBus connector 1 x IPMB connector 1 x Clear CMOS jumper 1 x BIOS recovery jumper 1 x Buzzer
Front I/O	1 x Power button with LED 1 x ID button with LED 1 x Reset button 1 x System status LED 1 x HDD activity LED 2 x LAN activity LEDs
Rear I/O	2 x USB 3.0 2 x USB 2.0 1 x VGA 1 x COM_1 2 x SFP+ 1 x MLAN 1 x ID button with LED



Backplane I/O	Backplane P/N: 9CBP2001NR-00 Speed and bandwidth: SAS 12Gb/s, SATA 6Gb/s
TPM	1 x TPM header with LPC interface Optional TPM2.0 kit: CTM000
Power Supply	2 x 1200W redundant PSUs 80 PLUS Platinum AC Input: - 100-240V~/12-7A, 50-60Hz DC Input: - 240Vdc/ 6A DC Output: - Max 1000W/100-240V~ +12V/ 80.5A +12Vsb/ 3A - Max 1200W/ 200-240V~ or 240Vdc input +12V/ 97A +12Vsb/ 3A
System Management	Aspeed® AST2500 management controller Avocent® MergePoint IPMI 2.0 web interface: Network settings Network security settings Hardware information Users control Services settings IPMI settings Sessions control LDAP settings Power control Fan profiles Voltages, fans and temperatures monitoring System event log Events management (platform events, trap settings, email settings) Serial Over LAN vKVM & vMedia (HTML5)
OS Supported	Windows Server 2012 R2 with Update Windows Server 2016 Red Hat Enterprise Linux 7.4 (x64) or later Red Hat Enterprise Linux 8.0 (x64) or later SUSE Linux Enterprise Server 11.4 (x64) or later SUSE Linux Enterprise Server 12.3 (x64) or later SUSE Linux Enterprise Server 15 (x64) or later Ubuntu 16.04 LTS (x64) or later Ubuntu 18.04 LTS (x64) or later VMware ESXi 6.5 Update1 or later VMware ESXi 6.7 or later Citrix Xenserver 7.1.0 CU2 or later Citrix Xenserver 7.4.0 or later Citrix Hypervisor 8.0.0 or later



Weight	22 kg (barebone)
System Fans	4 x 80x80x38mm (16300rpm)
Operating Properties	<p>Operating temperature: 10°C to 35°C</p> <p>Operating humidity: 8%-80% (non-condensing)</p> <p>Non-operating temperature: -40°C to 60°C</p> <p>Non-operating humidity: 20%-95% (non-condensing)</p>
Packaging Dimensions	982 x 588 x 268 (mm)
Packaging Content	<p>1 x G221-Z30 system</p> <p>1 x CPU heatsink</p> <p>1 x Rail kit</p>
Part Numbers	<p>Rackmount: 6NG221Z30MR-00-1*</p> <p>Motherboard: 9MZ31AR0NR-00-1*</p> <p>CPU heatsink: 25ST1-15320D-J1R</p> <p>Back plane board: 9CBP2001NR-00</p> <p>Fan module: 25ST2-883829-D0R</p> <p>Power supply: 25EP0-212002-F3S</p> <p>Rail Kit: 25HB2-3A6804-I0R</p>