

## G242-Z11

HPC System - 2U UP 4 x GPU Gen4 Server



AMD  
INSTINCT



### Features

- Up to 4 x NVIDIA® PCIe Gen4 GPU cards
- NVIDIA-Certified system
- Single AMD EPYC™ 7003 Series processors
- 8-Channel RDIMM/LRDIMM DDR4, 8 x DIMMs
- 1 x dedicated management port
- 4 x 3.5" SATA hot-swap HDD/SSD bays in front side
- 2 x 2.5" Gen4 U.2/SAS/SATA hot-swap SSD bays in rear side
- 2 x FHHL PCIe Gen4 expansion slots
- 1 x OCP 3.0 Gen4 x16 mezzanine slot
- 2 x 80 PLUS Platinum 1600W (240V) redundant PSU

### Specification

<b>Dimensions</b>	2U (W438 x H87.5 x D820 mm)	<b>Backplane I/O</b>	Front side_CBP041: 4 x SATA/SAS ports Rear side_CBP2021: 2 x NVMe/SATA/SAS ports Speed and bandwidth: SATA 6Gb/s, SAS 12Gb/s or PCIe x4
<b>Motherboard</b>	MZ12-HD3 Rev. 3.0	<b>TPM</b>	1 x TPM header with SPI interface Optional TPM2.0 kit: CTM010
<b>CPU</b>	AMD EPYC™ 7003 Series processors Single processor, 7nm technology, cTDP up to 280W Up to 64-core, 128 threads per processor Compatible with AMD EPYC™ 7002 Series processors	<b>Power Supply</b>	Dual 1600W 80 PLUS Platinum redundant power supply
<b>Socket</b>	Socket SP3	<b>System Management</b>	Aspeed® AST2500 management controller GIGABYTE Management Console (AMI MegaRAC SP-X)
<b>Chipset</b>	System on Chip	<b>OS Compatibility</b>	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
<b>Memory</b>	8-Channel DDR4 memory, 8 x DIMM slots RDIMM/LRDIMM modules up to 128GB supported Memory speed: Up to 3200 MHz	<b>Weight</b>	Net Weight: 18.5 kg / Gross Weight: 29 kg
<b>LAN</b>	1 x 10/100/1000 management LAN	<b>System Fans</b>	5 x 80x80x38mm (16,300rpm)
<b>Video</b>	Integrated in Aspeed® AST2500 2D Video Graphic Adapter with PCIe bus interface 1920x1200@60Hz 32bpp, DDR4 SDRAM	<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>Storage</b>	Front: 4 x 3.5" SATA hot-swap HDD/SSD bays - 2.5" HDD/SSD supported; SATA devices supported only Rear: 2 x 2.5" Gen4 U.2/SAS/SATA hybrid hot-swap SSD bays	<b>Packaging Content</b>	1 x G242-Z11 1 x CPU heatsink 1 x Rail kit
<b>SATA</b>	Supported	<b>Reference Numbers</b>	Barebone with rail kit: 6NG242Z11MR-00 Rev. A00 - Motherboard: 9MZ12HD3NR-00 - Rail kit: 25HB2-3A0202-K0R - CPU heatsink: 25ST1-15320E-J1R - Back plane board_4-port: 9CBPG041NR-00 - Back plane board_2-port: 9CBP2021NR-00 - Riser Card: 9CRSG02CNR-00 - Front panel board: 9CFP1000NR-00 - Power supply: 25EP0-216007-L0S
<b>SAS</b>	Depend on SAS Card		
<b>Expansion Slots</b>	4 x PCIe x16 slots (Gen4 x16) for GPU cards 1 x PCIe x16 slot (Gen4 x16 or x8), FHHL 1 x PCIe x8 slots (Gen4 x0 or x8), FHHL 1 x OCP 3.0 Gen4 x16 mezzanine slot		
<b>Internal I/O</b>	1 x TPM header, 1 x Front panel header		
<b>Front I/O</b>	1 x USB 3.0		
<b>Rear I/O</b>	2 x USB 3.0, 1 x VGA, 1 x MLAN		

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