

H242-Z11

Edge Server - AMD UP 2U 4 Nodes



Features

- Supports 5G network infrastructure
- 2U - 4 nodes front access server system for Edge Computing
- Single AMD EPYC™ 7003 Series processors
- 8-Channel RDIMM/LRDIMM DDR4, 32 x DIMMs
- 8 x 1Gb/s LAN ports (Intel® I350-AM2)
- 4 x 2.5" NVMe hot-swappable SSD bays
- 8 x M.2 with PCIe Gen3 x4 interface
- 8 x Low profile PCIe x16 expansion slots
- 4 x OCP 2.0 Gen3 x16 mezzanine slots
- Aspeed® AST2500 remote management controller
- Dual 1300W (240V) 80 PLUS Platinum power supply

Specification

Dimensions	2U 4 Nodes - Front access (W440 x H87.5 x D475 mm)	Backplane I/O	4 x ports Speed and bandwidth: SATA 6Gb/s or SAS 12Gb/s or PCIe Gen3 x4 per port
Motherboard	MZ12-HD0 Rev. 3.0	TPM	1 x TPM header with SPI interface Optional TPM2.0 kit: CTM010
CPU	AMD EPYC™ 7003 Series processors Single processor, 7nm technology, cTDP up to 240W Up to 64-core, 128 threads per processor, total 4 x Socket SP3 TDP up to 225W, cTDP up to 240W, Conditional support 280W Compatible with AMD EPYC™ 7002 Series processors	Power Supply	2 x 1300W redundant PSUs, 80 PLUS Platinum
Chipset	System on Chip	System Management	Aspeed® AST2500 management controller GIGABYTE Management Console (AMI MegaRAC SP-X)
Memory	8-Channel DDR4 memory, total 32 x DIMM slots RDIMM/LRDIMM modules up to 128GB supported Memory speed: Up to 3200 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	8 x 1GbE LAN ports (1 x Intel® I350-AM2) 4 x 10/100/1000 management LAN	Weight	Net Weight: 17.2 kg / Gross Weight: 28.9 kg
Video	Integrated in Aspeed® AST2500 2D Video Graphic Adapter with PCIe bus interface 1920x1200@60Hz 32bpp, DDR4 SDRAM	System Fans	3 x 80x80x38mm (16,300rpm) 1 x 40x40x28mm (25,000rpm)
Storage	4 x 2.5" NVMe hot-swappable SSD bays All storage bays are compatible with SATA devices	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)
RAID	-	Packaging Content	1 x H242-Z11 4 x CPU heatsinks 1 x Rail kit
Expansion Slots	4 x Low profile half-length slots with PCIe x16 (Gen4 x16) 4 x Low profile half-length slots with PCIe x16 (Gen3 x16) 4 x OCP 2.0 mezzanine slot with PCIe Gen3 x16 bandwidth 8 x M.2 slots (PCIe Gen3 x4, M-key)	Reference Numbers	Barebone package: 6NH242Z11MR-00 Rev. A00 - Motherboard: 9MZ12HD0NR-00 - Back plane board: 9CBPH043NR-00 - Rail kit: 25HB2-AA6107-K0R - CPU heatsink: 25ST1-44320J-A0R - Back plane board: 9CBPH043NR-00 - Fan module: 25ST2-44282D-D0R/ 25ST2-88382E-D0R - CMC Kit: 6NH242Z13SR-00 - Power Supply: 25EP0-213006-F3S
Internal I/O	Per node: 2 x M.2 slots, 1 x USB 3.0 header, 1 x TPM header, 1 x OCP 2.0 mezzanine slots, 1 x Front panel header, 1 x Back plane board header, 1 x IPMB connector, 1 x Clear CMOS jumper, 1 x BIOS recovery jumper		
Front I/O	Total: 8 x USB 3.0, 4 x VGA, 8 x RJ45, 4 x MLAN		
Rear I/O	-		

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

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