

# H242-Z10

## Edge Server - AMD UP 2U 4 Nodes



### Features

- Supports 5G network infrastructure
- 2U - 4 nodes rear 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
- 2+0 1200W (240V) 80 PLUS Platinum power supply

### Specification

<b>Dimensions</b>	2U 4 Nodes - Rear access (W440 x H87.5 x D475 mm)	<b>Backplane I/O</b>	4 x ports Speed and bandwidth: SATA 6Gb/s or SAS 12Gb/s or PCIe Gen3 x4 per port
<b>Motherboard</b>	MZ12-HD0 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 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	<b>Power Supply</b>	2+0 1200W (240V) 80 PLUS Platinum power supply
<b>Chipset</b>	System on Chip	<b>System Management</b>	Aspeed® AST2500 management controller GIGABYTE Management Console (AMI MegaRAC SP-X)
<b>Memory</b>	8-Channel DDR4 memory, total 32 x DIMM slots RDIMM/LRDIMM modules up to 128GB supported Memory speed: Up to 3200 MHz	<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>LAN</b>	8 x 1GbE LAN ports (1 x Intel® I350-AM2) 4 x 10/100/1000 management LAN	<b>Weight</b>	Net Weight: 17.2 kg / Gross Weight: 28.9 kg
<b>Video</b>	Integrated in Aspeed® AST2500 2D Video Graphic Adapter with PCIe bus interface 1920x1200@60Hz 32bpp, DDR4 SDRAM	<b>System Fans</b>	3 x 80x80x38mm (16,300rpm) 1 x 40x40x28mm (25,000rpm)
<b>Storage</b>	4 x 2.5" NVMe hot-swappable SSD bays All storage bays are compatible with SATA devices	<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>RAID</b>	-	<b>Packaging Content</b>	1 x H242-Z10 4 x CPU heatsinks 1 x Rail kit
<b>Expansion Slots</b>	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)	<b>Reference Numbers</b>	Barebone package: 6NH242Z10MR-00 Rev. A00 - Motherboard: 9MZ12HD0NR-00 Rev. 3.0 - 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: 6NH242Z12SR-00 - Power Supply: 25EP0-212007-F3S
<b>Internal I/O</b>	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		
<b>Front I/O</b>	-		
<b>Rear I/O</b>	Total: 8 x USB 3.0, 4 x VGA, 8 x RJ45, 4 x MLAN		

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

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