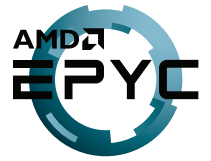


# H282-ZC1

## High Density Server - DP 2U 4-Node



### Features

- Hardware-level root of trust support
- 2U - 4 nodes front access server system
- Dual AMD EPYC™ 7003 series processor family
- 8 x LGA 4094 sockets
- 8-Channel RDIMM/LRDIMM DDR4, 128 x DIMMs
- 8 x 1Gb/s LAN ports
- 4 x Dedicated management ports
- 2 x CMC global management port
- 8 x 2.5" Gen4 NVMe hot-swappable SSD bays
- 8 x M.2 with PCIe Gen4 x4 interface
- 4 x Low profile PCIe Gen4 x16 expansion slots
- 4 x OCP 3.0 Gen4 x16 mezzanine slots
- 3000W (240V) 80 PLUS Platinum redundant PSU

### Specification

<b>Dimensions</b>	2U 4 Nodes - Front access (W447 x H87.5 x D902 mm)	<b>Front I/O</b>	Total: 8 x USB 3.0, 4 x Mini-DP, 8 x RJ45, 4 x RJ45 MLAN
<b>Motherboard</b>	MZC2-LM0 Rev. 1.0	<b>Rear I/O</b>	2 x CMC global management ports
<b>CPU</b>	AMD EPYC™ 7003 Series processors Dual processors, 7nm, Socket SP3, cTDP up to 240W Up to 64-core, 128 threads per processor Compatible with AMD EPYC™ 7002 Series processors	<b>Backplane I/O</b>	2 x ports per node (SATA 6Gb/s or PCIe Gen4 x4 per port)
<b>Chipset</b>	System on Chip	<b>TPM</b>	1 x TPM header with SPI interface Optional TPM2.0 kit: CTM010
<b>Memory</b>	8-Channel DDR4 memory, total 128 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	<b>Power Supply</b>	Dual 3000W 80 PLUS Platinum power supply AC Input: 100-240V
<b>LAN</b>	8 x 10GbE BASE-T LAN ports (Intel® X710-AT2) 4 x Dedicated management ports 2 x CMC global management ports	<b>System Management</b>	Aspeed® AST2500 management controller GIGABYTE Management Console (AMI MegaRAC SP-X)
<b>Video</b>	Integrated in Aspeed® AST2500 2D Video Graphic Adapter with PCIe bus interface 1920x1200@60Hz 32bpp, DDR4 SDRAM	<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>Storage</b>	8 x 2.5" 7mm slim type NVMe/SATA hot-swap HDD/SSD bays	<b>System Fans</b>	8 x 80x80x38mm (16,300rpm)
<b>RAID</b>	N/A	<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>Expansion Slots</b>	4 x Low profile half-length PCIe Gen4 x16 slots in front side 4 x OCP 3.0 mezzanine slots with PCIe Gen4 x16 bandwidth 8 x M.2 slots	<b>Packaging Content</b>	1 x H282-ZC1 8 x CPU heatsinks 1 x Rail kit
<b>Internal I/O</b>	Per node: 2 x M.2 slots, 1 x COM header, 1 x TPM header, 1 x BMC SGPIO header, 1 x JTAG BMC header, 1 x PLD header, 1 x Clear CMOS jumper, 1 x IPMB connector	<b>Reference Numbers</b>	Barebone package: 6NH282ZC1MR-00 Rev. A00 - Motherboard: 9MZC2LM0NR-00 - Rail kit: 25HB2-A86104-K0R - CPU heatsink: 25ST1-423203-A0R/ 25ST1-44320J-A0R



Learn more about GIGABYTE server solutions, visit [www.gigabyte.com/Enterprise](http://www.gigabyte.com/Enterprise)

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