

E283-Z90-AAV1 (Rev. 3.x)

Edge Server - AMD EPYC™ 9005/9004 Server Processors -
2U DP 4-Bay Gen4 NVMe/SATA/SAS Titanium



Key Features

- Dual AMD EPYC™ 9005/9004 Server Processors
- 12-Channel DDR5 RDIMM per CPU with 24 x DIMMs
- 2 x 1 Gb/s LAN ports via Intel® I350-AM2
- 4 x 2.5" Gen4 NVMe/SATA/SAS hot-swap bays on the rear side
- 2 x M.2 slots with PCIe Gen3 x4 and x2
- 6 x FHHL PCIe x16 slots with Gen5 x16 and x8 lanes
- 2 x OCP NIC 3.0 PCIe Gen5 x16 slots
- Dual 1600 W 80 PLUS Titanium redundant power supplies

Applications

Networks Server, Servers for Hybrid/Private Cloud, Edge Server...

Specification

Dimensions	2U (W438 x H87.5 x D625 mm)	PCIe Expansion Slots	4 x FHHL x16 (Gen5 x16) 2 x FHHL x16 (Gen5 x8) 2 x OCP NIC 3.0 (Gen5 x16), Support NCSI
Motherboard	MZ93-FS0	I/O Ports	Front: 2 x USB 3.2 Gen1 Rear: 2 x USB 3.2 Gen1, 1 x Mini-DP, 2 x RJ45, 1 x MLAN
CPU	AMD EPYC™ 9005 Server Processors AMD EPYC™ 9004 Server Processors Dual processors, cTDP up to 400 W	Backplane Board	PCIe Gen4 x4 or SATA 6 Gb/s or SAS 12 Gb/s
OS Compatibility	OS Support List	TPM	1 x TPM header (SPI), Optional TPM 2.0 kit: CTM010
Socket	2 x LGA 6096 (Socket SP5)	Power Supply	Dual 1600 W 80 PLUS Titanium redundant power supplies AC Input: 100-240 V
Chipset	System on Chip	System Management	ASPEED® AST2600 Baseboard Management Controller GIGABYTE Management Console web interface
Memory	12-Channel DDR5 RDIMM, 24 x DIMMs [EPYC 9005] Up to 6400 MT/s [EPYC 9004] Up to 4800 MT/s	System Fans	4 x 80x80x38mm
LAN	2 x 1 Gb/s LAN (1 x Intel® I350-AM2), Support NCSI 1 x 10/100/1000 Mb/s Management LAN	Operating Properties	Operating: 10°C to 35°C, 8% to 80% (non-condensing) Non-operating: -40°C to 60°C, 20% to 95% (non-condensing)
Video	Integrated in ASPEED® AST2600 - 1 x Mini-DP	Packaging Content	1 x E283-Z90-AAV1 2 x CPU heatsinks 1 x Mini-DP to D-Sub cable
Storage	Rear hot-swap: 4 x 2.5" Gen4 NVMe/SATA/SAS ^[1] Internal M.2: 1 x M.2 (2280/22110), PCIe Gen3 x4 1 x M.2 (2280/22110), PCIe Gen3 x2 ^[1] SAS card is required to support SAS drives.	Ordering Part Numbers	6NE283Z90DR000ACV1*
RAID	Require RAID add-in cards	Optional Parts	- 2-Section Rail kit (385-480mm): 25HB2-3A0204-K0R (MOQ: 500) - 2-Section Rail kit (660-840mm): 25HB2-3A0203-K0R

