GIGABYTE™

E285-D90-AS1

Edge Server - AMD EPYC™ 9006 SP7 Server Processors - 2U DP, 4-Bay Gen5 NVMe/SATA/SAS-4

Key Features

- Supports DC-SCM for modular BMC deployment
- Dual AMD EPYC™ 9006 SP7 Server processors
- 16-Channel DDR5 RDIMM/MRDIMM per CPU with 32 x DIMMs
- 4 x 2.5" Gen5 NVMe/SATA/SAS-4 hot-swap bays on the rear side
- 4 x M.2 slots with PCIe Gen4 x4 and x2
- 4 x FHHL PCIe x16 slots with Gen6 x16 lanes
- 1 x OCP NIC 3.0 PCIe Gen6 x16 slot
- 2 x 3200 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)
Motherboard	MD95-FS0
CPU	AMD EPYC™ 9006 SP7 Server processors Dual processors, PPT up to 600 W
Socket	2 x LGA 7536 (Socket SP7)
Chipset	Integrated into SoC
Memory	16-Channel DDR5 RDIMM/MRDIMM, 32 x DIMMs [RDIMM] Up to 8000 MT/s [MRDIMM] Up to 12800 MT/s [1] [1] MRDIMMs are supported only on select CPU SKUs.
LAN	1 x Management LAN
Video	Integrated in ASPEED® AST2700 - 1 x Mini-DP
Storage	**Front hot-swap:** 4 x 2.5" Gen5 NVMe**/SATA/SAS-4** [1] **Internal M.2:** 2 x M.2 (2242/2260/2280/22110), PCIe Gen4 x4 2 x M.2 (2242/2260/2280/22110), PCIe Gen4 x2 [1] Storage card(s) required to support SATA and SAS drives.

PCIe Expansion Slots	4 x FHHL x16 (Gen6 x16) 1 x OCP NIC 3.0 (Gen6 x16), Support NCSI
I/O Ports	**Front:** 2 x USB 3.2 Gen1 **Rear:** 2 x USB 3.2 Gen1, 1 x Mini-DP, 1 x MLAN
TPM	2 x TPM headers (SPI), Optional TPM 2.0 kit: CTM012
Power Supply	2 x 3200 W 80 PLUS Titanium redundant power supplies AC Input: 100-240 V *The system power supply requires C19 power cord.
System Fans	4 x 80x80x80mm
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)
Packaging Content	1 x E285-D90-AS1 2 x CPU heatsinks 1 x Mini-DP to D-Sub cable
Ordering Part Numbers	6NE285D90HR000AS1*
Optional Parts	- 2-Section Rail kit (CMA not supported): 25HB2-3A0203-K0R - 3-Section Rail kit (Supports CMA): 25HB2-A56120-K0R - Cable Management Arm: 25HBZ-R18100-K0R

Learn more at: https://www.gigabyte.com/Enterprise

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