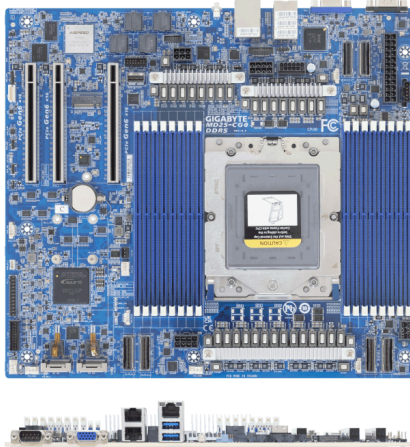


MD25-CG0 (Rev. 1.x)

Motherboard - AMD EPYC™ 9006 SP7 Server Processors - CEB UP



Key Features

- Single AMD EPYC™ 9006 SP7 Server processors
- 16-Channel DDR5 RDIMM/MRDIMM per CPU with 16 x DIMMs
- 2 x 1 Gb/s LAN ports via Intel® I350-AM2
- 6 x MCIO 8i connectors supporting PCIe Gen6 x8
- 1 x SlimSAS 4i connector supporting SATA
- 2 x M.2 slots with PCIe Gen4 x2
- 3 x PCIe x16 slots with Gen6 x16 lanes

Specification

Form Factor	CEB (W304.8 x D276.7 mm)	Internal I/O	1 x 24-pin ATX main power connector 2 x 8-pin ATX 12V power connectors 2 x 6-pin ATX 12V power connectors 1 x 12V 2x6+12SB PICPWR connector (for backplane board) 1 x 4-pin CPU fan header / 1 x 3-pin CPU fan header 3 x 4-pin system fan headers / 1 x USB 3.2 Gen1 x2 header 1 x USB 2.0 header (for backplane board) 1 x Leak sensor header / 1 x Case intrusion header 2 x M.2 slots / 6 x MCIO 8i connectors 1 x SlimSAS 4i connector / 1 x NCSI connector 1 x Front panel header / 1 x PMBus connector 1 x IPMB connector / 1 x TPM header
CPU	AMD EPYC™ 9006 SP7 Server processors Single processor, PPT up to 600 W	Rear I/O	2 x USB 3.2 Gen1 ports (Type-A) 1 x VGA port 1 x Serial port 2 x RJ45 ports 1 x MLAN port 1 x ID button with LED
Socket	1 x LGA 7536 (Socket SP7)	Security Modules	1 x TPM header (SPI), Optional TPM 2.0 kit: CTM012
Chipset	Integrated into SoC	PSU Connectors	1 x 24-pin ATX main power connector 2 x 8-pin ATX 12V power connectors 2 x 6-pin ATX 12V power connectors
Memory	16-Channel DDR5 RDIMM/MRDIMM, 16 x DIMMs [RDIMM] Up to 8000 MT/s [MRDIMM] Up to 12800 MT/s [1] [1] MRDIMMs are supported only on select CPU SKUs.	Operating Properties	Operating: 10°C to 40°C, 8% to 80% (non-condensing) Non-operating: -40°C to 60°C, 20% to 95% (non-condensing)
LAN	2 x 1 Gb/s LAN (1 x Intel® I350-AM2), Support NCSI 1 x Management LAN	Retail Packaging Content	1 x MD25-CG0 1 x I/O shield 1 x SlimSAS 4i to 4 x SATA cable (600 mm) Quantity: 10 x single boxes in one carton
Video	Integrated in ASPEED® AST2700 - 1 x VGA port	Bulk Packaging Content	10 x MD25-CG0 10 x I/O shields
Storage Interface	MCIO: 6 x MCIO 8i for 12 x Gen6 NVMe SlimSAS: 1 x SlimSAS 4i for 4 x SATA M.2: 2 x M.2 (2280/22110), PCIe Gen4 x2	Ordering Part Numbers	Retail: 9MD25CG0HR-000-1* Bulk: 9MD25CG0IR-000-1*
PCIe Expansion Slots	Slot_4: PCIe x16 (Gen6 x16) Slot_2: PCIe x16 (Gen6 x16) Slot_1: PCIe x16 (Gen6 x16) 6 x MCIO 8i (Gen6 x8)		



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

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