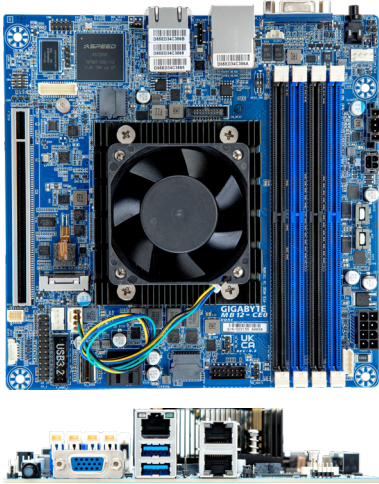


MB12-CE0

Server Motherboard with Intel Xeon D-1700



Features

- Mini-ITX form factor
- Supports Intel® Xeon® D-1700 processors
- 2-Channel RDIMM/UDIMM DDR4, 4 x DIMMs
- 2 x 1Gb/s LAN ports (Intel® I210-AT)
- 1 x Dedicated management port
- 1 x SlimSAS (with 4 x SATA 6Gb/s) ports
- 2 x 7-pin SATA 6Gb/s ports
- 1 x Ultra-Fast M.2 with PCIe Gen3 x4 interface
- 1 x PCIe Gen4 x16 slot
- Aspeed® AST2600 remote management controller

Specification

Form Factor	Mini-ITX (170W x 170D mm)	Rear I/O	2 x USB 3.2 Gen1, 1 x VGA, 2 x RJ45, 1 x MLAN
CPU	Intel® Xeon® D-1700 processor families Default CPU setting: Intel® Xeon® D-1739 Based Frequency 3GHz, max turbo 3.5GHz 8 cores, 15MB LLC Cache, 83W TDP	Internal I/O	2 x 7-pin SATAIII ports, 1 x SlimSAS connector, 1 x TPM header, 1 x USB 3.2 Gen1 connector, 1 x CPU fan header, 2 x System fan headers, 1 x Front panel header, 1 x JTAG BMC header, 1 x Clear CMOS jumper, 1 x IPMB connector, 1 x PMBus connector, 1 x SGPIO connector, 1 x COM
Socket	FBGA 2227	PSU Connectors	1 x 4-pin power connector 1 x 8-pin 12V power connector
Chipset	System on Chip	TPM	1 x TPM header with SPI interface Optional TPM2.0 kit: CTM010
Memory	2-Channel DDR4 memory, 4 x DIMM slots RDIMM module up to 64GB per DIMM slot; total 256GB capacity 1.2V modules: 2933 (2DPC) MHz	OS Compatibility	Windows 10 / 11 (x64) Windows Server 2012 R2 / 2016 / 2019 / 2022 (x64)
LAN	2 x 1GbE LAN ports (1 x Intel® I210-AT) 1 x 10/100/1000 Management LAN	Board Management	Aspeed® AST2600 management controller GIGABYTE Management Console (AMI MegaRAC SP-X)
Video	Integrated in Aspeed® AST2600 2D Video Graphic Adapter with PCIe bus interface 1920x1200@60Hz 32bpp, DDR4 SDRAM	Operating Properties	Operating temperature: 10°C to 40°C Operating humidity: 8-80% (non-condensing) Non-operating temperature: -40°C to 60°C Non-operating humidity: 20%-95% (non-condensing)
Audio	N/A	Retail Packaging Content	1 x MB12-CE0, 1 x I/O shield, 1 x Quick start guide, 1 x SlimSAS for 4 x SATA 6Gb/s cables
SATA	1 x SlimSAS for 4 x SATA 6Gb/s ports 2 x 7-pin SATA 6Gb/s ports	Bulk Packaging Content	10 x MB12-CE0, 10 x I/O shields Carton dimensions: 421 x 292 x 268 mm
RAID	Intel SATA RAID 0/1/10/5	Reference Numbers	Retail: 9MB12CE0MR-00 Bulk: 9MB12CE0NR-00
Expansion Slots	1 x PCIe x16 (Gen4 x16) slot 1 x M.2 slot: - M-key; PCIe Gen3 x4 - supports 2280 cards		



Learn more about GIGABYTE server solutions, visit www.gigabyte.com/Enterprise

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