GIGABYTE™

B685-D80-LS1

Blade Server - AMD EPYC™ 9006 SP7 Server Processors - 6U 10-Node DP, 20-Bay E3.S Gen6 NVMe, DLC

Key Features

- Integrated-manifold full-system DLC solution
- 6U 10-node front access server system
- Dual AMD EPYC™ 9006 SP7 Server processors per node
- 16-Channel liquid-cooled DDR5 RDIMM/MRDIMM per CPU with 32 x DIMMs per node
- 2 x liquid-cooled E3.S Gen6 NVMe bays per node
- 3 x liquid-cooled LP PCIe Gen6 x16 slots per node
- 7+5 3200 W 80 PLUS Titanium redundant power supplies

Applications

High-Performance Computing Server, Networks Server, Servers for Hybrid/Private Cloud...

Specification

Dimensions	6U 10-Node - Front access (W447 x H262.3 x D900 mm)
Motherboard	MD85-HD0
CPU	AMD EPYC™ 9006 SP7 Server processors [DLC] Dual processors per node, PPT up to 600 W
Socket	20 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	**Front:** 1 x Management LAN per node **Rear:** 2 x Chassis Management LAN
Video	Integrated in ASPEED® AST2700 - 1 x Mini-DP per node
Storage	**Front:** [DLC] 2 x E3.S Gen6 NVMe per node
PCIe Expansion Slots	[DLC] 3 x LP x16 (Gen6 x16) per node
I/O Ports	**Front:** 2 x USB 3.2 Gen1, 1 x Mini-DP, 1 x MLAN **Rear:** 2 x CMC, 1 x CMC status LED
TPM	1 x TPM header (SPI) per node, Optional TPM 2.0 kit: CTM012
Power Supply	7+5 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) *To ensure system stability and prevent condensation, when the relative humidity exceeds 50%, the coolant inlet temperature must be higher than the dry-bulb temperature and it should not exceed 45°C.
Packaging Content	1 x B685-D80-LS1 10 x Cold plates 1 x Mini-DP to D-Sub cable 1 x L-shape Rail kit
Ordering Part Numbers	6NB685D80HR000LS1*

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

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