

TO16-A82-LA01

ORV3 Server - Intel® Xeon® 6900E+/6900-Series Processors -
10U 2-Node DP 8-Bay E3.S Gen5 NVMe DLC



Key Features

- Direct liquid cooling solution with leak detection
- 10U 2-node front access server system
- Dual Intel® Xeon® 6900E+/6900-Series processors per node
- 12-Channel DDR5 RDIMM/MRDIMM per CPU with 24 x DIMMs per node
- 4 x E3.S Gen5 NVMe hot-swap bays per node
- 2 x LP PCIe x16 slots with Gen5 x16 lanes per node
- 48 V to 54 V DC bus bar power solution

Specification

Dimensions	10U 2-Node (W537 x H45.2 x D928.2 mm)	Storage	Front hot-swap: 4 x E3.S Gen5 NVMe per node
Motherboard	MA84-HD3	PCIe Expansion Slots	2 x LP x16 (Gen5 x16) per node
CPU	Intel® Xeon® 6+ processors - Intel® Xeon® 6900E+ processors Intel® Xeon® 6 processors - Intel® Xeon® 6900-Series processors [DLC] Dual processors per node, TDP up to 500 W	I/O Ports	Front (per node): 2 x USB 3.2 Gen1, 1 x Mini-DP, 1 x MLAN
Socket	4 x LGA 7529 (Socket BR)	TPM	1 x TPM header (SPI) per node, Optional TPM 2.0 kit: CTM012
OS Compatibility	OS Support List	System Fans	4 x 40x40x56mm per node
Chipset	System on Chip	Liquid Cooling Interface	Connector type: UQD06 Blind mate: Not supported Hose length: Not included *Requires additional server-to-manifold UQD hoses.
Memory	12-Channel DDR5 RDIMM/MRDIMM, 24 x DIMMs Intel Xeon 6900E+: [RDIMM] Up to 8000 MT/s Intel Xeon 6900-series: [RDIMM] Up to 6400 MT/s [MRDIMM] Up to 8800 MT/s ^[1] ^[1] MRDIMMs are supported only on select Intel® Xeon® 6 processors with P-cores.	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)
LAN	Front: 1 x 10/100/1000 Mb/s Management LAN per node	Packaging Content	1 x TO16-A82-LA01 2 x CPU cold plate loops 1 x Mini-DP to D-Sub cable 4 x CPU carriers
Video	Integrated in ASPEED® AST2600 - 1 x Mini-DP per node	Ordering Part Numbers	6NTO16A82DR000LA01*



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

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