

TO17-D81-L01

ORV3 Server - AMD EPYC™ 9006 SP7 Server Processors -
10U 2-Node DP 4-Bay E3.S Gen6 NVMe DLC



Key Features

- CPU DLC solution with leak detection
- 10U 2-node front access server system
- Dual AMD EPYC™ 9006 SP7 Server processors per node
- 16-Channel DDR5 RDIMM/MRDIMM per CPU with 32 x DIMMs per node
- 2 x E3.S Gen6 NVMe hot-swap bays per node
- 3 x LP PCIe x16 slots with Gen6 x16 lanes per node
- 48 V to 54 V DC bus bar power solution

Specification

Dimensions	10U 2-Node	PCIe Expansion Slots	3 x LP x16 (Gen6 x16) per node
Open Rack Version	ORV3	I/O Ports	Front: 2 x USB 3.2 Gen1, 1 x Mini-DP, 1 x MLAN
Motherboard	MD85-HD0	TPM	1 x TPM header (SPI) per node, Optional TPM 2.0 kit: CTM012
CPU	AMD EPYC™ 9006 SP7 Server processors [DLC] Dual processors per node, PPT up to 600 W	System Fans	4 x 40x40x56mm per node
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.	Operating Properties	Operating: 10°C to 30°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.
LAN	1 x Management LAN per node	Packaging Content	1 x TO17-D81-L01 2 x CPU cold plate loops 1 x Mini-DP to D-Sub cable
Video	Integrated in ASPEED® AST2700 - 1 x Mini-DP per node	Ordering Part Numbers	6NTO17D81HR000L01*
Storage	Front hot-swap: 2 x E3.S Gen6 NVMe per node, from CPU_0		



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