

3U MICROCLOUD OT-CLUSTER

SYS-531MC-H8TNR



The 3U MicroCloud packs eight independent single-socket nodes into one chassis — the building block of the OT-Cloud cluster. Each node runs a slice of the fabric, so edge, profile, file, zone and cache services scale horizontally with immune-grade isolation.

- 8 nodes · single-socket
- Xeon 6300 / EPYC 4005
- Up to 128GB DDR5 / node
- 2200W Titanium redundant

BASE SPECIFICATIONS

FORM FACTOR	3U rackmount, 8-node MicroCloud cluster
PROCESSOR	8 × single Intel® Xeon® 6300/2400/2300 or AMD EPYC™ 4005/4004 (LGA-1700, up to 95W TDP) · Intel® C266
MEMORY	Up to 128GB ECC UDIMM DDR5-4400 per node (4 DIMM sockets)
STORAGE	2 × front hot-swap 3.5" SATA3 or hybrid 2.5" SAS/SATA3/NVMe U.2 per node
EXPANSION	Per node: 1 × PCIe 5.0 x8 LP + 1 × PCIe 4.0 x8 Micro-LP
POWER	2200W redundant Titanium-level high-efficiency
TEMPERATURE	Commercial 0°C to 40°C

TYPICAL VORTEX DEPLOYMENT

8-NODE CLUSTER

Distributes core OT-Cloud services horizontally across the Micro-Cloud

OT-Edge OT-Profile OT-File OT-Zone OT-Cache