

2U VORTEX OT-CLOUD SYSTEM

NEO-2U-X6700



The 2U Vortex system scales the OT-Cloud into a four-processor platform — dedicating processors to OT-Edge, profile and cache services, application services, and GPU-accelerated OT-AI. Built for smart-city and finance workloads that demand real-time throughput.

- Quad Xeon 6700 P-core
- Up to 8TB DDR5
- 24 × NVMe/SATA/SAS bays
- 2 × double-width GPU

BASE SPECIFICATIONS

FORM FACTOR	2U 19" rackmount chassis, dual/quad processor
PROCESSOR	Quad Intel® Xeon® 6700-series (P-cores) up to 270W, air cooled; supports up to 2 double-width PCIe GPU accelerators
MEMORY	Up to 64 DIMMs — 8TB DDR5 in 2DPC
STORAGE	Up to 24 front hot-swap 2.5" NVMe / SATA / SAS bays
EXPANSION	Up to 2 × PCIe 5.0 x8 FHHL + 4 × PCIe 5.0 x16 FHHL + 2 × PCIe 5.0 x16 AIOM
NETWORKING	Flexible — up to 2 OCP 3.0-compatible AIOM slots
POWER	Redundant 2700W Titanium-level power supplies
TEMPERATURE	Commercial 0°C to 40°C

TYPICAL VORTEX DEPLOYMENT

PROCESSOR 1

OT-Edge interface to the Secure OT-Cloud

OT-EdgeVortex UI

PROCESSOR 2

OT-Cloud services

OT-ProfileOT-Cache

PROCESSOR 3

OT-Cloud services

OT-FileOT-ZoneOT-Application-Service

PROCESSOR 4

OT-Cloud AI services (onboard GPUs)

OT-AI