

4U VORTEX OT-CLOUD AI SYSTEM

NE0-4U-X6700-AI



The 4U Vortex AI system is the compute anchor of the OT-Cloud — four Xeon processors and up to four double-width GPUs, with two processors dedicated entirely to OT-AI. 16TB of DDR5 and 24 NVMe bays keep sovereign models and telemetry resident and real-time.

- Quad Xeon 6700 (4S/8S)
- Up to 16TB DDR5-6400
- 4 × double-width GPU
- 4 × 2700W Titanium

BASE SPECIFICATIONS

FORM FACTOR	4U 19" rackmount chassis, quad-processor support
PROCESSOR	Quad E2 (LGA-4710) Intel® Xeon® 6700-series (P-cores, 4S/8S) up to 350W, air cooled; supports 4 double-width GPU cards
MEMORY	Up to 64 DDR5-6400 DIMMs — 16TB
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	4 × Redundant 2700W Titanium-level hot-plug 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-CacheOT-FileOT-Zone

OT-Application-Service

PROCESSOR 3

OT-Cloud AI services (onboard GPUs)

OT-AI

PROCESSOR 4

OT-Cloud AI services (onboard GPUs)

OT-AI

