HIVERADAR®

# AI EDGE DATA CENTER

SOVEREIGN AI. ENTERPRISE HCI. ANYWHERE.

A rugged, portable edge data center bringing AI inference, HCI compute, storage, networking and secure connectivity directly to the point of need.



### AI EDC PRO

**DEDICATED AI + DEDICATED HCI**

2 × ASUS Ascent GX10 / NVIDIA GB10 + ConnectX-7, paired with an independent NodeWeaver HCI or StorMagic SvHCI cluster.

### AI EDC FUSION

**UNIFIED AI + HCI**

HiveRadar AI-MAX Edge Server with NodeWeaver HCI on the same hardware using PCIe passthrough.

## AI WORKLOADS

### COMPUTER VISION

Local video and image analysis for inspection, security, safety and operational applications.

### PRIVATE LLM & RAG

Private AI assistants and retrieval-augmented generation against local organizational data.

### SPEECH & LANGUAGE

Local transcription, classification and language processing.

### AI ANALYTICS

Local processing of operational data for analysis, summarization and decision support.

### AI DEVELOPMENT

Develop, test and deploy AI applications without relying exclusively on public cloud infrastructure.

### AI-ASSISTED OPERATIONS

Local AI tools for search, analysis, reporting and workflow assistance.

## AI AT THE EDGE

Deploy AI where the data lives.

AI EDC is designed for environments where data sovereignty, latency, intermittent connectivity or local operations make cloud-only AI impractical. Keep AI inference, applications and supporting infrastructure close to the people, devices and data generating the workload.

## NODEWEAVER HCI + AI

HCI provides the foundation.
AI provides the intelligence.

NodeWeaver HCI consolidates compute, storage, virtualization and workload management into a resilient software-defined platform. With HiveRadar AI EDC, NodeWeaver can host the infrastructure and applications surrounding AI workloads, while AI acceleration is either dedicated to the AI cluster (Pro) or made available to HCI workloads through PCIe passthrough (Fusion).

This lets customers treat AI as part of their edge infrastructure rather than as a standalone AI workstation: VMs, containers, applications, data services and AI workloads can operate as an integrated edge environment.

# TWO ARCHITECTURES. ONE EDGE PLATFORM.

| | AI EDC PRO<br>Q4 2026 | AI EDC FUSION<br>Q1 2027 |
|---|---|---|
| AI Architecture | Dedicated AI cluster | AI + HCI on the same hardware |
| AI Compute | 2 × ASUS Ascent GX10 | AI-MAX 395 or 495 |
| HCI Server | 2 × HR-01 or 3 × NUC 15 Pro | |
| HCI Software | NODEWEAVER \| StorMagic | NODEWEAVER |
| HCI Storage & Memory | Up to 96GB DDR5 RAM per node<br>Up to 24TB NVMe storage per node | Up to 16TB NVMe storage per node<br>LPDDR5x RAM per node: 395 - 128GB \| 495 - 192GB |
| AI/HCI Relationship | Dedicated / Isolated | PCIe passthrough / Unified |
| Networking & Connectivity | 10GbE Switch \| 5G Cellular Wireless Gateway \| PCI DSS Compliant Firewall | |
| Ideal Deployment | Performance + Resiliency | Simplicity + Efficiency |

## AI EDC PRO — DEDICATED AI + HCI

Dedicated AI compute and dedicated HCI create workload separation while preserving a single portable deployment.

**2 × GX10 / GB10**
Dedicated AI cluster

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**ConnectX-7**
High-speed AI link

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**HCI Cluster**
2 × HR-01 or 3 × NUC 15 Pro

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**10GbE + 5G**
Secure edge connectivity

**AI compute:**
2 × ASUS Ascent GX10
- NVIDIA® GB10 Grace Blackwell
- 128 GB unified memory per system
- 20 Arm CPU cores per system
- up to 2 PetaFLOPS FP4 combined
- up to 2,000 TOPS combined

**HCI:**
2 × HiveRadar HR-01 nodes or
3 × ASUS NUC 15 Pro nodes
- NodeWeaver HCI & StorMagic SvHCI
- dedicated storage, infrastructure services, VM/container workloads, redundancy and resiliency.

**BEST FOR:** High-performance edge AI, private LLM/RAG, AI inference and deployments where workload isolation and infrastructure resilience are priorities.

## AI EDC FUSION — UNIFIED AI + HCI

AI acceleration and HCI are integrated on the same hardware for a clean, compact edge architecture.

**HiveRadar AI-MAX**
AMD Ryzen AI Max+

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**NodeWeaver HCI**
HCI Cluster

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**AI + HCI**
Unified workloads

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**10GbE + 5G**
Secure edge connectivity

**AI-MAX Edge Server:**
AMD Ryzen AI Max+ 395 or Max+ PRO 495, configuration dependent

**HCI + AI:**
NodeWeaver HCI with PCIe passthrough enables AI acceleration to be assigned to virtualized workloads while the same platform provides compute, storage and infrastructure management.

**BEST FOR:** Compact edge AI deployments where simplicity, efficiency and unified infrastructure are priorities.

# RUGGED. PORTABLE. DEPLOYABLE.

**Form Factor**
Rugged 4U rolling case with integrated CoreFrame™

**Weight**
Approximately 90-100 lbs (40-45 kg), configuration dependent

**Off-grid**
Optional battery, solar and generator ecosystem

**External Dimensions**
24" × 22" × 10.2"

**Cooling**
Active, temperature-adjusted fans

**Features**
Hi-vis LED lighting; multi-functional bench/desk lids

### SECURE EDGE CONNECTIVITY

- **10GbE switching** for high-speed compute, storage and AI connectivity
- **PCI DSS-compliant 5G cellular gateway** for secure cellular WAN connectivity
- **LEO satellite ready** for deployments requiring satellite connectivity
- Optional HiveRadar connectivity, bandwidth aggregation and secure access technologies

# DEPLOY AI WHERE IT MATTERS

Education & AI Labs | Remote Field Operations | Defense & Government | Mining & Resources

Emergency & Disaster Response | Industrial Operations | Retail & Distributed | Healthcare & Research

learn more

**HiveRadar AI EDC** Compute • Storage • HCI • AI • 10GbE Networking • 5G Connectivity • LEO Ready

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Product specifications subject to configuration and availability.