



CoreStation HX2000

Data Center AI PC

Features and Benefits

Key Features:

- 12 nodes in a 5U enclosure
- Intel Core Ultra processors with high clock speeds
- AI ready with dedicated NPU for emerging workloads
- Integrated GPU and optional NVIDIA RTX series GPU
- Easy to manage with out-of-band KVM, monitoring and firmware updates
- Designed for data center with redundant power supplies and hot-swappable components

Benefits of Bare Metal

- Direct hardware access eliminates any hypervisor or software overhead
- Access to dedicated compute resource, zero sharing and consistent performance
- Simple architecture that is easy to support, maintain & monitor
- Reduces the licensing costs and management overheads

Enterprise Management

- Dedicated management processor on each node
- Direct KVM from power on, including at BIOS level
- Node and enclosure configuration and updates
- 24/7 monitoring, alerting and event logging

Power efficient, dedicated AI ready compute node, delivering secure access anywhere

HX2000 AI ready nodes deliver the bare metal advantage of desktop computing, ensuring uncompromised performance, speed and security. Designed to integrate into your virtual desktop infrastructure; delivering a level of performance optimized for your most demanding power users.

AI Optimized Compute: Intel Core Ultra CPUs with NPU and optional NVIDIA GPU enables AI-powered insights.

Security Without Compromise: A bare-metal approach means that critical resources are no longer shared, and data is fully protected.

Ultra-Low Latency: Dedicated hardware ensures lowest possible latency and removes the chance of contention.

Component	Configuration Options
Form Factor	12 HX2000 Nodes in 5U
CPU	Intel Core Ultra 7 U/H series (Meteor Lake), up to 16 cores & 22 Threads Up to 5.0GHz core frequency
AI Ready	CPU Integrated Neural Processing Unit (NPU)
Memory	Up to 96GB RAM, 2x DDR5 SODIMMs, Memory bandwidth of up to 5600 MT/S
Storage	1 or 2 M.2 NVMe SSD, up to 4TB capacity RAID 0 & 1 config using Intel VMD RAID Controller
Graphics (GPU)	Intel Arc Graphics NVIDIA RTX A1000 4GB NVIDIA RTX 2000 Ada 8GB
Networking	Intel i226 2.5GbE
OS Support	Microsoft Windows 11 Ubuntu Desktop
Node Management	Amulet Hotkey CoreStation HX out-of-band management
Enclosure	CoreStation HX5 Enclosure provides power, networking & management
Dimensions	Height – 196mm Width – 35mm Depth – 445mm (HX5 enclosure – 602mm)

