



CoreStation HX3000

Data Center Workstation

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

The uncompromised performance of a workstation, delivered from the data center

HX3000 provides the performance of a dedicated workstation in a highly efficient and data center optimized form factor. Designed as a powerful alternative to rack mount or desktop workstations, HX3000 allows you to put your end user compute in the data center without sacrificing performance, graphics capability, or user experience.

True Workstation Class Performance: Powerful Intel Core Ultra CPUs and a workstation GPU to support compute intensive workloads.

Data Center Optimized Architecture: Users experience unthrottled performance, while IT benefit from centralised management.

Ultra Low Latency: Dedicated compute resource allocation with bare metal OS (no hypervisor), plus high bandwidth network connectivity.

Component	Configuration Options
Form Factor	12 HX3000 Nodes in the 5U HX5 Enclosure
CPU	Intel Core Ultra Processors (Series 2) Core Ultra 9 285, 24 cores, up to 5.6GHz core frequency Core Ultra 9 285K, 24 cores, up to 5.7GHz core frequency
AI Ready	CPU Integrated Neural Processing Unit (NPU)
Memory	Up to 128GB RAM, 2x DDR5 SODIMMs Memory bandwidth of up to 6400 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 2000 Ada NVIDIA RTX Pro 2000 & 4000 SFF Blackwell
Networking	Intel E610 10GbE
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	196mm, 35mm, 445mm (H/W/D) Depth including HX5 enclosure - 602mm