

QUANT AI CORE XR960-H4



EXTREME AI-READY 4U GPU SERVER FOR DEEP LEARNING, HPC & DATA CENTER VIRTUALIZATION

The Quant AI Core XR960-H4 is purpose-built to deliver breakthrough performance for AI model training, deep learning, GPU acceleration, scientific computing, simulation workloads, and high-density virtualization.

Engineered on dual Intel® Xeon® architecture and supporting up to 4 double-width GPU accelerators, the XR960-H4 provides scalable compute power for AI labs, datacenters, security analytics, and enterprise HPC environments.

UNMATCHED GPU ACCELERATION FOR MODERN AI

Designed for AI-first enterprises, the XR960-H4 supports four full-height, double-width GPUs, enabling:

- Deep neural network training & inference
- Large-scale language models & generative AI
- Scientific simulation & engineering workloads
- Advanced computer vision & GPU computing

This platform offers the flexibility and density required for evolving AI workflows — like high-density enterprise AI servers.

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ENTERPRISE-LEVEL PERFORMANCE & SCALABILITY

- Dual Intel® Xeon® Silver 4310 CPUs
- (12 cores each, 2.1 GHz) deliver high parallel compute
- Intel® C621A chipset ensures stable throughput
- 128 GB DDR4 ECC memory expandable across 16 DIMMs
- PCIe-optimized architecture for accelerated data pipelines
- The XR960-H4 is built to scale AI clusters, inference farms, and HPC nodes.

OPTIMIZED FOR AI DATA FABRICS & VIRTUALIZATION

- 2 × 10-Gigabit Ethernet uplinks for cluster networking
- Dedicated IPMI remote management for secure provisioning and control
- Ideal for AI inferencing, virtualization, containerized workloads, and high-density storage systems

POWER-EFFICIENT & RELIABLE

- 2000W 1+1 redundant Platinum PSU ensures continuous operation under full GPU load
- Advanced thermal design and intelligent fan controls
- Rugged 4U chassis engineered for continuous 24/7 operation
- Built to support the high power & thermal density of AI accelerators — aligning with enterprise AI server designs.

TECHNICAL SPECIFICATIONS

FEATURE	DESCRIPTION
Model	Quant Quant AI Core XR960-H4
Form Factor	4U AI-Optimized Rackmount GPU Server
CPU	Dual Intel® Xeon® Silver 4310 (12C, 2.1 GHz)
Chipset	Intel® C621A Dual-Way Server Chipset
Memory	128 GB DDR4 ECC (16 DIMMs, up to 1 TB)

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TECHNICAL SPECIFICATIONS

FEATURE	DESCRIPTION
GPU Support	4 × Full-height, Double-width GPU Accelerators
Chassis	4U, 8-bay hot-swap GPU server chassis
Storage Bays	8 × Hot-swappable drive bays
Networking	2 × 10G-Base-T Ethernet, 1 × IPMI
PCIE Slots	6 PCIE4.0X16; 1 PCIE4.0 X8, 2 x M.2 PCI-E 4.0 x4 interfaces, supporting 2280/22110
Power Supply	2000W (1+1) Redundant Platinum PSU
Cooling	High-efficiency GPU-optimized cooling
Management	IPMI Remote Management
Operating System	Windows Server 2019 / Linux
Certifications	CE, UL, FCC, ISO 14001:2015
Country of Origin	Malaysia
Warranty	3 Years

APPLICATIONS

- Deep Learning & Neural Networks
- Generative AI / LLM Workloads
- GPU-Accelerated Computing
- Scientific & Engineering Simulation
- High-Density Virtualization / Cloud AI
- Data-Center AI & HPC Clusters

