



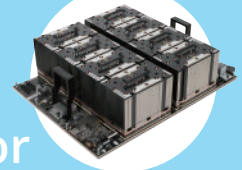
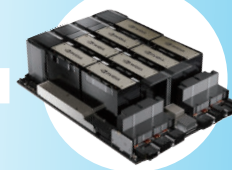
QuantaGrid D74A-7U

Accelerated Parallel Computing
Performance for the Most
Extreme AI-HPC Workloads

- **Multiple-GPUs Server for HPC / AI Training (e.g LLMs / NLP)**
- **Powered by 2x 4th AMD EPYC9004 Processors and Compatible with Next-Gen AMD EPYC™ Processor in the future**
- **Introducing NVIDIA HGX Architecture and Flexible with 8x NVIDIA H100/H200 GPUs or 8x AMD MI300X GPUs**
- **18x SFF All-NVMe Drive Bays for GPUDirect Storage and Boot Drive**
- **10x OCP NIC 3.0 TSFF for GPUDirect RDMA**
- **Modularized Design for Easy Serviceability**



Multiple-GPUs Server for HPC / AI Training (e.g LLMs / NLP)



Advanced Performance for
the Most Extreme **AI Workloads**

HGX-H100

or

MI300X

- Powered by 2x 4th AMD EPYC9004 Processors and Compatible with Next-Gen AMD EPYC™ Processor in the future.
- Introducing NVIDIA HGX Architecture and Flexible with 8x NVIDIA H100/H200 GPUs or 8x AMD MI300X GPUs.
- 18x SFF All-NVMe Drive Bays for GPUDirect Storage and Boot Drive.
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Modularized Design for Easy Serviceability

The architecture is designed around a toolless modular philosophy. Major components can be removed from the system chassis without unmounting from the rack for better serviceability and increased system uptime. The modularity in this innovative design allows for forward support of next generation CPUs and GPUs.

Modular **Chassis** and **Tray** Design

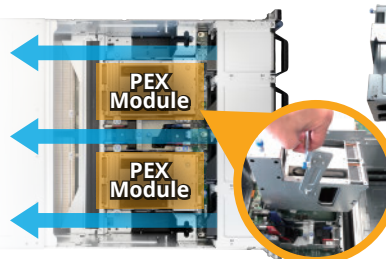
- Quick and easy to install and service.
- Handle and latch design for easy operation.



1U MB Tray



4U GPU Tray



Enables **Cable-Less** Service

- Minimize **Airflow** obstruction.
- Reserved **Design Flexibility** for future.

PEX Module Serviceability

- Easy to service **PEX module**.
- Tool-less top cover removal for quick access.



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QuantaGrid D74A-7U Specifications

Processor	Processor Type: AMD EPYC™ 9004 Series Server Processors Max. TDP Support: up to 400W Number of Processors: 2 Processors Internal Interconnect: 16 GT/s L3 Cache: Up to 384 MB
Form Factor	7U
Dimensions	W x H x D (inch): 17.63" x 12.12" x 34.88" W x H x D (mm): 447.8 x 307.85 x 886mm
Chipset	SoC
Storage	Default Configuration: (18) 2.5" hot-plug NVMe SSD drives
Memory	Total Slots: 24 Capacity: Up to 6TB (256Gx24) of memory capacity Memory Type: 4800 MHz DDR5 RDIMM Memory Size: 16G, 32G, 64G, 128G, 256G RDIMM/3DS DIMM
Expansion Slot	Default Configuration (2) PCIe 5.0 x16 OCP 3.0 SFF slots (MB) (10) PCIe 5.0 x16 OCP 3.0 TSFF slots (I/O Board) Expansion Slot_GPGPU baseboard <i>SKU - #1</i> (8) NVIDIA H100/H200 SXM GPU Modules with HGX Baseboard <i>SKU - #2</i> (8) AMD MI300X GPU Modules with Industry-Standard-Based Universal Baseboard (UBB 2.0)
Network Controller	LOM: Dedicated (1) GbE management port
Front I/O	Optional NIC: Please refer to our Compatible Component List for more information (1) Power button/LED (1) Reset button (1) ID button/LED (1) System status LED (2) USB 3.0 (1) VGA port
Power Supply	(6) 3+3 High Efficiency Redundant Hot-Plug 4000W 80 Plus Titanium PSUs
Onboard Storage	Onboard Storage (2) 2280 M.2 (Optional for Boot Drive)
Fan	(8) hot-swap 9276 dual rotor fans (N+1 redundant)
Video	Integrated AST2600 Maximum display resolution is up to 1920x1080p 32bpp@60Hz
System Management	Redfish v1.11 IPMI v2.0 Compliant, on board "KVM over IP" support
Rear I/O	(1) Power button (1) ID button/LED (1) USB 3.0 port (1) Mini Display port (1) COM Port (micro USB type-B) (1) RJ45 dedicated mgmt port
Operating Environment	Operating temperature: 5°C to 35°C (41°F to 95°F) Non-operating temperature: -40°C to 70°C (-40°F to 158°F) Operating relative humidity: 20% to 85%RH Non-operating relative humidity: 10% to 95%RH
TPM	TPM 2.0 SPI module (optional)
Weight (Max. Configuration)	116.58 kg (257.01 lbs)



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