QuantaGrid D74H-7U

Advanced Performance for the Most Extreme AI-HPC Workloads

- **2x Top Bin Intel® Xeon® Sapphire Rapids processors**

- **18x SFF All-NVMe drive bays for GPUDirect storage and boot drive**

- **10x OCP NIC 3.0 TSFF for GPUDirect RDMA**

- **8x Hopper H100 SXM5 GPU modules with HGX baseboard**

A powerhouse acceleration server purpose built to tackle the most complex AI and HPC workloads. Powered by the latest 4th Gen Intel® Xeon® Scalable processor family, 32 DDR5 DIMM slots, the D74H-7U features the NVIDIA® HGX H100 and supports nonblocking GPUDirect RDMA and GPUDirect Storage. This server is optimized to accelerate training for massive data sets, huge AI models such as natural language processing, large language models, and supercomputing applications.

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.

Quick Deployment with Great Serviceability

2.5" Drive Bay

OCP 3.0 Slots

Fan Module

- Tool-less, hot-swap designs for drive trays and fan modules.
- Easy service with OCP3.0 pull-tab & ejector without opening chassis.

About QCT

Quanta Cloud Technology (QCT) is a global datacenter solution provider. We combine the efficiency of hyperscale hardware with infrastructure software from a diversity of industry leaders to solve next-generation datacenter design and operation challenges. QCT serves cloud service providers, telecoms and enterprises running public, hybrid and private clouds.

Product lines include hyper-converged and software-defined datacenter solutions as well as servers, storage, switches, integrated racks with a diverse ecosystem of hardware component and software partners. QCT designs, manufactures, integrates and services cutting edge offerings via its own global network. The parent of QCT is Quanta Computer, Inc., a Fortune Global 500 corporation.

Found at: www.QCT.io/wheretobuy

Powered by
4th Gen Intel® Xeon®
Scalable Processors

QuantaGrid D74H-7U Specifications

Processor	**Processor Type:** 4th Gen Intel® Xeon® Scalable Processors
	Max. TDP Support: 350W
	Number of Processors: 2 Processors
	Internal Interconnect: 16 GT/s
	L3 Cache: Up to 112.5MB
Form Factor	7U Rack Mount
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	Intel® C741
Storage	**Default Configuration:** (18) 2.5" hot-plug NVMe SSD drives
Memory	**Total Slots:** 32
	Capacity: Up to 8TB
	Memory Type: 4800 MHz DDR5 RDIMM
Expansion Slot	**Default Configuration**
	(2) PCIe 5.0 x16 OCP 3.0 SFF slots
	(10) PCIe 5.0 x16 OCP 3.0 TSFF slots
Network Controller	**LOM:** Dedicated (1) GbE management port
	Optional NIC: Please refer to our Compatible Component List for more information
Front I/O	(1) Power button/LED
	(1) Reset button
	(1) ID button/LED
	(1) System status LED
	(2) USB 3.0
	(1) VGA port
Power Supply	3+3 high efficiency redundant hot-plug 4000W 80 Plus Titanium PSUs
Onboard Storage	(2) 2280 M.2
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)

Contact Us   **www.QCT.io**