



QCT Server Solutions Powered by AMD



**QCT systems supporting AMD EPYC™ 9005 Series processors,
AMD Instinct™ MI300X/MI325X GPUs, and compatible with
AMD Instinct™ MI350X GPUs**

| QuantaGrid D75T-7U | QuantaGrid S44NL-1U | QuantaGrid D44N-1U |



AMD Instinct™ MI350X Platform



Memory:

Up to 2.3TB of HBM3E memory

Memory bandwidth:

8TB/s peak memory bandwidth

Architecture:

AMD CDNA™ 4

OAM Module:

Eight accelerated compute dies (XCDs) with 32 compute units (CUs), 32 KB of L1 cache per CU, 4 MB shared L2 cache shared across CUs, and 256 MB of AMD Infinity Cache™ shared across 8 XCDs.

Built for enterprise AI, offering seamless integration for fast, cost-effective upgrades

Drop-in Compatible with existing AMD Instinct™ MI300X/MI325X Platform

Infinity Fabric™ technology for seamless data sharing

AMD ROCm™ software to accelerate AI inferencing and training



Elevated Data Center Performance with AMD EPYC™ Series Processors

	AMD EPYC™ 9005 Series	AMD EPYC™ 9004 Series
Max core count per socket	192 cores/384 threads	96 cores/ 192 threads
Max TDP	500W	400W
L3 cache	Up to 512 MB	Up to 384 MB
Memory channels / socket	12 channels, 2DPC	12 channels, 2DPC
Memory frequency	Up to 6400 MHz 1DPC	Up to 4800 MHz 1DPC
CPU interlinks	xGMI-3, 32GT/s	xGMI-3, 32GT/s
PCIe Lane	PCIe 5.0 128 lanes	PCIe 5.0 128 lanes

QCT Product Info

Enterprise

HPC

AI/Acceleration



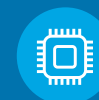
SDS/HCI



Virtualization



Design & Simulation



IC design & EDA



Machine Learning



AI Training & Inferencing



QuantaGrid S44NL-1U



QuantaGrid D44N-1U



QuantaGrid D75T-7U



QuantaGrid D75T-7U



Transform Computational Capabilities and Achieve High Performance



- *Compatible with AMD Instinct™ MI350X GPUs*
- *Powered by dual AMD EPYC™ 9004/9005 Series processors with up to 500W TDP*
- *Enhanced serviceability with tool-less, hot-swappable designs*
- *Accelerated parallel computing performance for the most extreme AI-HPC workloads*

Processor	(2) AMD EPYC™ 9004/9005 Series processors, up to 500W TDP
Memory	(24) DDR5 RDIMM up to 6400 MHz
Accelerator	(8) AMD Instinct™ MI300X/MI325X GPUs; compatible with AMD Instinct™ MI350X GPUs (8) NVIDIA H200 SXM GPUs
Storage	Front (18) hot-swappable 2.5" PCIe 5.0 NVMe SSDs
Networking	(1) Dedicated 1GbE management port
Expansion Slot	(2) FHHL DW PCIe 5.0 x16 slots (8) HHHL SW PCIe 5.0 x16 slots
Form Factor	7U Rackmount Server
Dimensions	(W) 448 x (H) 308 x (D) 950mm

QuantaGrid S44NL-1U



Cost-effective Server with Scalable Expansion Options and Optimized Performance



- *Powered by single AMD EPYC™ 9004/9005 Series processor, up to 500W TDP*
- *Advanced air-cooling architecture supporting top-bin CPUs*
- *Liquid cooling-ready by design*
- *Up to 5x PCIe 5.0 expansion slots and the DC-SCM architecture to meet different configuration needs*
- *Featuring up to 3x single width accelerators to support AI inference workloads*
- *System optimized for cloud, enterprise, AI, HPC, networking, security and IoT workloads*

Processor	(1) AMD EPYC™ 9004/9005 Series processor, up to 500W TDP
Memory	(24) DDR5 RDIMM up to 6000 MHz
Storage	SKU1 (12) 2.5" hot-swappable NVMe/SATA/SAS SSDs SKU2 (16) E1.S hot-swappable SSDs
Networking	(1) Dedicated 1GbE management port
Expansion Slot	Option 1: (3) HHHL PCIe 5.0 x16 slots + (2) OCP 3.0 slots Option 2: (2) FHHL PCIe 5.0 x16 slots + (2) OCP 3.0 slots
Form Factor	1U Rackmount Server
Dimensions	(W) 440 x (H) 43.2 x (D) 780mm

QuantaGrid D44N-1U



Ultimate 1U Server with AMD EPYC Performance Breakthrough



- *Powered by dual AMD EPYC™ 9004/9005 Series processors, up to 500W TDP*
- *Advanced air-cooling architecture supporting top-bin CPUs*
- *Liquid cooling-ready by design*
- *Up to 5x PCIe 5.0 expansion slots and the DC-SCM architecture to meet different configuration needs*
- *Featuring up to 3x single width accelerators to support AI inference workloads*
- *System optimized for cloud, enterprise, AI, HPC, networking, security and IoT workloads*

Processor	(2) AMD EPYC™ 9004/9005 Series processor, up to 500W TDP
Memory	(24) DDR5 RDIMM up to 6000 MHz
Storage	SKU1 (12) 2.5" hot-swappable NVMe/SATA/SAS SSDs SKU2 (16) E1.S hot-swappable SSDs
Networking	(1) Dedicated 1GbE management port
Expansion Slot	Option 1: (3) HHHH PCIe 5.0 x16 slots + (2) OCP 3.0 slots Option 2: (2) FHHL PCIe 5.0 x16 slots + (2) OCP 3.0 slots
Form Factor	1U Rackmount Server
Dimensions	(W) 440 x (H) 43.2 x (D) 780mm

About QCT

Quanta Cloud Technology (QCT) designs, manufactures, integrates and services cutting edge offerings for 5G Telco/Edge, AI/HPC, Cloud, and Enterprise infrastructure via its own global network. Product lines include hyper-converged and software-defined data center solutions as well as servers, storage, and network switches from 1U to entire racks with a diverse ecosystem of hardware components and software partners to fit a variety of business verticals and workload parameters.

<https://www.qct.io/>

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