



# QuantaGrid D54U-3U

## Endless Flexibility for Diverse Applications

- 4<sup>th</sup> Gen Intel® Xeon® Scalable Processor up to TDP 350W
- Powered by NVIDIA® GPUs
- PCIe 5.0 & DDR5 platform ready
- Up to 4x DW accelerator or 8x SW accelerator
- Support active type and passive type accelerator
- Up to 10x PCIe 5.0 NVMe drive to speed up data-loading
- PCIe 5.0 400Gb Networking for Scale-out
- Enhanced serviceability with tool-less, hot-plug designs

Found at: [www.QCT.io/wheretobuy](http://www.QCT.io/wheretobuy)



Powered by  
4<sup>th</sup> Gen Intel® Xeon®  
Scalable Processors



## Embracing limitless Flexibility: Unveiling the Endless Possibilities of GPU Server

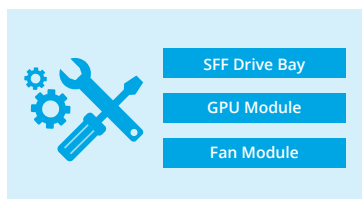
- Dual top-bin Intel® Xeon® Sapphire Rapids CPU with 32 x DDR5 memory slots
- Up to 10 x SATA/SAS/NVMe 2.5" hot-plug SSD to speed up data-loading
- Up to 4 x Dual-width or 8 x Single-width accelerators with Nvlink bridge board (optional) supported for AI training/inference workloads.
- Various GPU configuration support including active type and passive type GPU
- Future support up to 600W GPU
- Design reserved for the liquid cooling solution
- Tool-less GPU module design for easy service

## Upgrade with Higher Computing Performance



- Secure and dynamic data administration of data center resources with Orqestra (QCT System Manager).
- Monitor up to 5000 devices per Orqestra module.

## Quick Deployment with Great Serviceability



- Tool-less, hot-swap designs for drive trays
- Easy service with GPU module 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.

# QuantaGrid D54U-3U Specifications

<b>Processor</b>	<b>Processor Type:</b> 4 <sup>th</sup> Gen Intel® Xeon® Scalable Processors <b>Max. TDP Support:</b> 350W <b>Number of Processors:</b> 2 Processors <b>Internal Interconnect:</b> 16 GT/s <b>L3 Cache:</b> Up to 112.5MB	
<b>Form Factor</b>	3U Rack Mount	
<b>Dimensions</b>	<b>W x H x D (inch):</b> 17.2" x 5.2" x 29.9" <b>W x H x D (mm):</b> 438 x 131.6 x 760mm	
<b>Chipset</b>	Intel® C741	
<b>Storage</b>	<b>Default Configuration:</b> Up to (10) 2.5" Hot-plug SATA/SAS/NVMe SSD	
<b>Memory</b>	<b>Total Slots:</b> 32 <b>Capacity:</b> Up to 8TB <b>Memory Type:</b> 4800 MHz DDR5 RDIMM/LRDIMM/3DS RDIMM <b>Memory Size:</b> 16GB, 32GB, 64GB, 128GB, 256GB	
<b>Expansion Slot</b>	<b>Dual Width GPU Config</b> (4) PCIe 5.0 x16 FHFL slot (2) PCIe 5.0 x16 HHHL slot (1) PCIe 5.0 x16 OCP 3.0 TSFF/SFF slot (1) PCIe 5.0 x8 HHHL slot	<b>Single Width GPU Config</b> (8) PCIe 5.0 x8 HHHL slot (2) PCIe 5.0 x16 HHHL slot (1) PCIe 5.0 x16 OCP 3.0 TSFF/SFF slot (1) PCIe 5.0 x8 HHHL slot
<b>Network Controller</b>	<b>LOM:</b> Dedicated (1) GbE management port <b>Optional NIC:</b> Please refer to our Compatible Component List for more information*	
<b>Front I/O</b>	(1) Power button/LED (1) ID button/LED (1) Status LED (1) Reset button (2) USB 3.0 (1) VGA	
<b>Storage Controller</b>	<b>Onboard:</b> Intel® C741 14x SATA3 6Gb/s ports <b>Optional Controller:</b> Please refer to our Compatible Component List for more information*	
<b>Power Supply</b>	2+2 High efficiency redundant hot-plug Titanium/Platinum 1600W AC PSU	
<b>Onboard Storage</b>	(2) 2280 PCIE M.2 on board for Booting OS	
<b>Fan</b>	(5) dual rotor fans (9+1 redundant)	
<b>Video</b>	Integrated AST2600. Maximum display resolution is up to 1920x1080p 32bpp@60Hz.	
<b>System Management</b>	Redfish v1.11 IPMI v2.0 Compliant, on board "KVM over IP" support Orqestra (QCT System Manager) (Optional)	
<b>Rear I/O</b>	(1) USB 3.0 (1) Mini display port (1) ID LED (1) PFR/PWR LED (1) PFR/PWR Button (1) COM Port (micro USB type-B) (1) RJ45	
<b>Operating Environment</b>	Operating temperature: 5°C to 35°C Non-operating temperature: -40°C to 70°C Operating relative humidity: 20% to 85%RH Non-operating relative humidity: 10% to 95%RH	
<b>TPM</b>	TPM 2.0 SPI module	



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