



# QuantaGrid Q72D-2U

The High-density, Widely Flexible, and Powerful Quad Socket Server

- Powerful 4-socket Server in a 2U chassis
- High Memory Capacity and Space Efficiency
- Ultra-Dense Memory Design
- Flexible and Scalable I/O Options

## About QCT

Quanta Cloud Technology (QCT) is a global data center solution provider. We combine the efficiency of hyperscale hardware with infrastructure software from a diversity of industry leaders to solve next-generation data center 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 data center 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](http://www.QCT.io/wheretobuy)



Intel Inside®. New Possibilities Outside.



Rear view

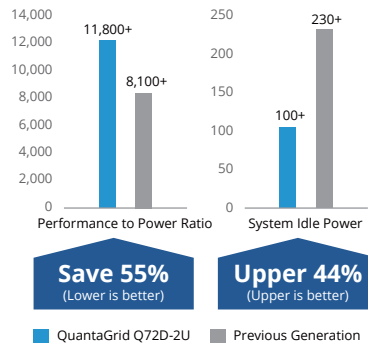
## Unleashing Computing Performance

- Faster socket interconnect, 1.5x memory bandwidth and 2x FLOPs peak performance capability with Intel® Xeon® Processor Scalable Family.
- Up to 112 vCPUs per server and 3.9x higher virtualized throughput compared to previous platforms based on the Intel® Xeon® processor E5.

2X FLOPs Capability 1.5X Memory Bandwidth



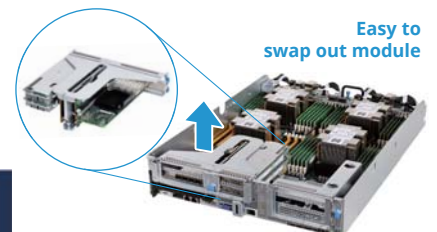
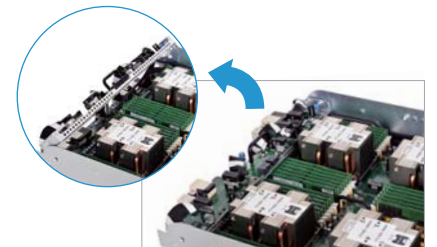
## Adapt to Any Demanding Enterprise Applications



- Powerful 4-socket server in an ultra-dense 2U chassis
- Support up to 4x Intel® Xeon® Platinum or Intel® Xeon® Gold Processor with magnificent performance enhancement compared to the previous generation.
- Support up to 8x PCIe expansion cards, including Graphic Processor Units, network adapters and SAS mezzanine cards, offering more choices and scalable options for multiple different requirements.
- Redundant power supplies and fan modules for minimized downtime when running data-intensive, mission critical applications.

## Service QuantaGrid Q72D-2U with Ease

- Install memory modules effortlessly with removable riser board
- Tool-less HDD, fan, PCIe expansion cards exchange
- Optional MicroSD card to record system health logs without opening the chassis even with powered-off
- Intuitive data center management with QCT system Management (QSM) via integration with industry standard RESTful API and Intel Rack Scale Design(RSD).



Easy to swap out module



# QuantaGrid Q72D-2U Specifications

<b>Processor</b>	<b>Processor Type:</b> Intel® Xeon® Processor Scalable Family <b>Max. TDP Support:</b> 205W <b>Number of Processors:</b> 4 Processors <b>Internal Interconnect:</b> 9.6/10.4 GT/s	<b>Fan</b>	(5) dual rotor fans (9+1 redundant)
<b>Form Factor</b>	2U	<b>Video</b>	Integrated ASPEED AST2500 8MB DDR4 video memory
<b>Dimensions</b>	W x H x D (inch): 14.48 x 3.44 x 34.1 W x H x D (mm): 444 x 87.5 x 866	<b>System Management</b>	Redfish v1.0.2 IPMI v2.0 Compliant, on board "KVM over IP" support QCT System Manager (QSM) v1.8 (Optional)
<b>Chipset</b>	Intel® C621, Intel® C624	<b>Operating Environment</b>	Operating temperature: 5°C to 40°C (41°F to 104°F) Non-operating temperature: -40°C to 65°C (-40°F to 149°F) Operating relative humidity: 20% to 85%RH Non-operating relative humidity: 10% to 90%RH
<b>Storage</b>	<b>SKU - #1 :</b> (16) NVMe/ SAS/ SATA SFF Drives <b>SKU - #2 :</b> (16) SAS/SATA HDD/SSD	<b>TPM</b>	Yes (With TPM 1.2/ 2.0 option)
<b>Memory</b>	<b>Total Slots:</b> 48 <b>Capacity:</b> Up to 3TB RDIMM/LRDIMM <b>Memory Type:</b> 2666 MHz DDR4 RDIMM <b>Memory Size:</b> 64GB, 32GB, 16GB, 8GB RDIMM		
<b>Expansion Slot</b>	<b>Default Configuration:</b> (1) PCIe Gen3 x16 OCP mezzanine card (2) PCIe Gen3 x24 riser board - (2) PCIe Gen3 x8 FHHL - (2) PCIe Gen3 x16 FHHL ( option : (2) GPGPU ) (1) PCIe Gen3 x32 riser board - (2) PCIe Gen3 x16 HHHL (1) PCIe Gen3 x16 SAS mezzanine card		
<b>Network Controller</b>	<b>Optional NIC:</b> Please refer to our Compatible Component List for more information		
<b>Front I/O</b>	(1) USB 2.0 ports		
<b>Storage Controller</b>	<b>Optional Controller:</b> Quanta LSI® 3216 12Gb/s SAS mezzanine Quanta LSI® 3516 12Gb/s SAS mezzanine (RAID 0,1,5,6,10,50,60) Intel® VROC Upgrade Module for PCIe SSD		
<b>Power Supply</b>	Option 2: (2) High efficiency hot-plug 2200W PSU, 80 Plus Platinum		
<b>Onboard Storage</b>	(2) 2280/2210 SATA/PCIe M.2 (option)		



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