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**

Rear view

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.

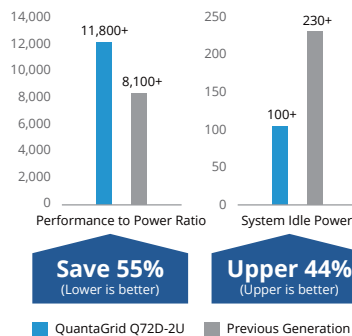***Found at: www.QCT.io/wheretobuy***

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.
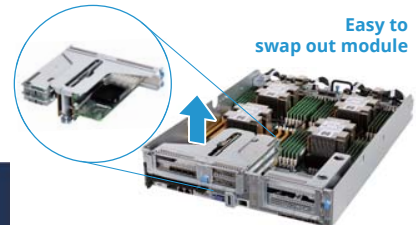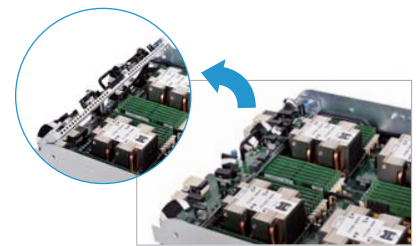

Adapt to Any Demanding Enterprise Applications

Save 55%
(Lower is better)

Upper 44%
(Upper is better)

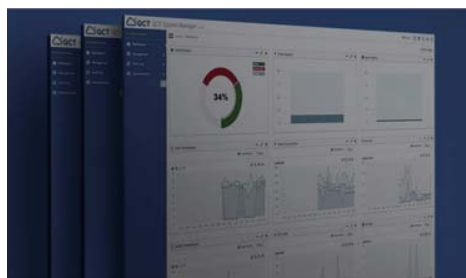■ QuantaGrid Q72D-2U　■ Previous Generation

- 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 integration with industry standard RESTful API and Intel Rack Scale Design(RSD).

Easy to swap out module

Intel Inside®. New Possibilities Outside.

QuantaGrid Q72D-2U Specifications

Processor	**Processor Type:** Intel® Xeon® Processor Scalable Family
	Max. TDP Support: 205W
	Number of Processors: 4 Processors
	Internal Interconnect: 9.6/10.4 GT/s
Form Factor	2U
Dimensions	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
Chipset	Intel® C621, Intel® C624
Storage	**SKU - #1 :** (16) NVMe/ SAS/ SATA SFF Drives
	SKU - #2 : (16) SAS/SATA HDD/SSD
Memory	**Total Slots:** 48
	Capacity: Up to 3TB RDIMM/LRDIMM
	Memory Type: 2666 MHz DDR4 RDIMM
	Memory Size: 64GB, 32GB, 16GB, 8GB RDIMM
Expansion Slot	**Default Configuration:**
	(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
Network Controller	**Optional NIC:**
	Please refer to our Compatible Component List for more information
Front I/O	(1) USB 2.0 ports
Storage Controller	**Optional Controller:**
	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
Power Supply	Option 2: (2) High efficiency hot-plug 2200W PSU, 80 Plus Platinum
Onboard Storage	(2) 2280/2210 SATA/PCIe M.2 (option)

Fan	(5) dual rotor fans (9+1 redundant)
Video	Integrated ASPEED AST2500 8MB DDR4 video memory
System Management	Redfish v1.0.2
	IPMI v2.0 Compliant, on board "KVM over IP" support
	QCT System Manager (QSM) v1.8 (Optional)
Operating Environment	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
TPM	Yes (With TPM 1.2/ 2.0 option)

Found at:
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intel® XEON PLATINUM inside™

Intel Inside®.
New Possibilities Outside.