



Rear view

QuantaPlex T42S-2U (4Node)

Ample Performance Multi-Node server

- **Unleashing Computing Performance**
- **Additional M.2 SSD for OS Installation**
- **Shared Infrastructure Provides Better Space and Energy Utilization**
- **Easy Service and Maintenance**

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



Intel Inside®. New Possibilities Outside.

Unleashing Computing Performance

- Faster socket interconnect, 1.5x memory bandwidth and 2x FLOPs peak performance capability with Intel® Xeon® Processor Scalable Family.
- Up to 440 vCPUs per server and 3.9x higher virtualized throughput compared with previous platform based on Intel® Xeon® processor E5.

2X FLOPs Capability 1.5X Memory Bandwidth



Additional M.2 SSD for OS Installation



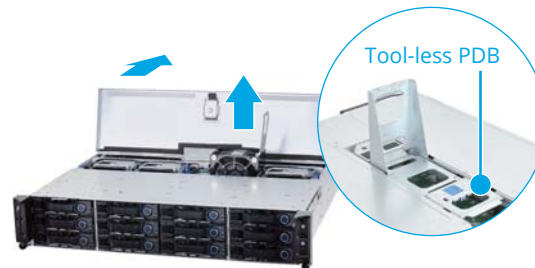
- Extra M.2 riser equipped on each MB sled provides a faster and larger boot disk options and allocates PCIe I/O slots and drive bay for other uses
- Flexible to support both SATA and PCIe M.2 devices

Shared Infrastructure Provides Better Space and Energy Utilization

- Double compute density compared to regular 1U rackmount servers
- Shared power supplies and cooling system further boosts resource utilization
- Smart chassis management to distribute precise airflow and power to each node dynamically
- Support for the industry's most efficient 80 Plus Platinum PSU options



Easy Service and Maintenance



- Hot-pluggable PSU, FAN, HDD trays
- Easy-swappable MB sleds spare technicians the need of removing the whole server chassis from the rack
- Tool-less power distribution board (PDB) and fan cage modules minimize service down time
- Intuitive data center management with QCT System Manager (QSM) via integration with industry standard RESTful API and Intel® Rack Scale Design (RSD)



QuantaPlex T42S-2U (4Node) Specifications

Processor	Processor Type: Intel® Xeon® Processor Scalable Family Max. TDP Support: 165W Number of Processors: (2) per node Internal Interconnect: 9.6/10.4 GT/s	Power Supply	Option 1: (2) High efficiency hot-plug 1600W PSU, 80 Plus Platinum Option 2: (2) High efficiency hot-plug 2200W PSU, 80 Plus Platinum
Form Factor	2U	Onboard Storage	Option 1: (1) PCIe M.2 per node Option 2: (1) SATA M.2 per node
Dimensions	W x H x D (inch): 17.48 x 3.44 x 31.1 W x H x D (mm): 444 x 87.5 x 790	Fan	(4) system fans
Chipset	Intel® C621, Intel® C624	Video	Integrated ASPEED AST2500 16MB DDR4 video memory
Storage	Default Configuration: 2.5" Hot-plug SKU - #1 : (24) 2.5" hot-plug SATA/SAS HDD/SSD SKU - #2 : (12) 3.5"/2.5" hot-plug SATA/SAS HDD/SSD	System Management	Redfish v2.1 IPMI v2.0 Compliant, on board "KVM over IP" support QCT System Manager (QSM) v1.8 (Optional)
Memory	Total Slots: (16) slots per node Capacity: Up to 512GB RDIMM Memory Type: 2666 MHz DDR4 RDIMM Memory Size: 32GB, 16GB, 8GB RDIMM (64GB is coming soon)	Rear I/O	(2) USB 3.0 ports (1) VGA port (1) RS232 serial Port (1) 10/100/1000 RJ45 magement port
Expansion Slot	Default Configuration: (1) PCIe Gen3 x16 LP MD-2 (1) PCIe Gen3 x8 for SAS Mezz (1) PCIe Gen3 x16 for OCP Mezz (1) PCIe Gen3 x2 for 2280/22110 M.2	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
Network Controller	Optional NIC: Quanta Intel® X527 10G SFP+ dual/quad-port OCP PHY mezzanine or Quanta Intel® X557 10G RJ45 dual/quad-port OCP PHY mezzanine or Quanta Intel® I357 1G RJ45 dual/quad-port OCP PHY mezzanine or (more options refer to the CCL)	TPM	TPM 2.0
Front I/O	(1) USB 2.0 per node	Weight (Max. Configuration)	31.8 kg / (69.96 lb)
Storage Controller	Onboard: Intel® C621 or C624: 4x sSATA 6Gb/s ports 2x SATA 6Gb/s ports SATA RAID 0, 1, 10 Optional Controller: Quanta Broadcom® 3008A-IR 12Gb/s SAS mezzanine, RAID 0,1,10 Quanta Broadcom® 3008A-IR 12Gb/s SAS mezzanine, RAID 0,1,10 Quanta Broadcom® 3108A 12Gb/s RAID mezzanine, RAID 0, 1, 5, 10, 50, 60. (Coming soon)		



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