



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.

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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



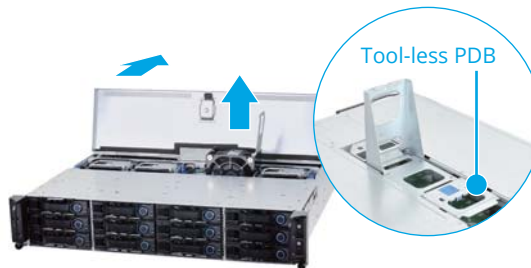
- Extra M.2 riser equipped on each MB sled provides a faster and larger boot disk options and allocates PCIe I/O slots and drive bay for other uses
- Flexible to support both SATA and PCIe M.2 devices

### 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

<b>Processor</b>	<b>Processor Type:</b> Intel® Xeon® Processor Scalable Family <b>Max. TDP Support:</b> 165W <b>Number of Processors:</b> (2) per node <b>Internal Interconnect:</b> 9.6/10.4 GT/s	<b>Power Supply</b>	Option 1: (2) High efficiency hot-plug 1600W PSU, 80 Plus Platinum Option 2: (2) High efficiency hot-plug 2200W PSU, 80 Plus Platinum
<b>Form Factor</b>	2U	<b>Onboard Storage</b>	Option 1: (1) PCIe M.2 per node Option 2: (1) SATA M.2 per node
<b>Dimensions</b>	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	<b>Fan</b>	(4) system fans
<b>Chipset</b>	Intel® C621, Intel® C624	<b>Video</b>	Integrated ASPEED AST2500 16MB DDR4 video memory
<b>Storage</b>	<b>Default Configuration:</b> 2.5" Hot-plug <b>SKU - #1 :</b> (24) 2.5" hot-plug SATA/SAS HDD/SSD <b>SKU - #2 :</b> (12) 3.5"/2.5" hot-plug SATA/SAS HDD/SSD	<b>System Management</b>	Redfish v2.1 IPMI v2.0 Compliant, on board "KVM over IP" support QCT System Manager (QSM) v1.8 (Optional)
<b>Memory</b>	<b>Total Slots:</b> (16) slots per node <b>Capacity:</b> Up to 512GB RDIMM <b>Memory Type:</b> 2666 MHz DDR4 RDIMM <b>Memory Size:</b> 32GB, 16GB, 8GB RDIMM ( 64GB is coming soon)	<b>Rear I/O</b>	(2) USB 3.0 ports (1) VGA port (1) RS232 serial Port (1) 10/100/1000 RJ45 magement port
<b>Expansion Slot</b>	<b>Default Configuration:</b> (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	<b>Operating Environment</b>	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
<b>Network Controller</b>	<b>Optional NIC:</b> 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)	<b>TPM</b>	TPM 2.0
<b>Front I/O</b>	(1) USB 2.0 per node	<b>Weight (Max. Configuration)</b>	31.8 kg / (69.96 lb)
<b>Storage Controller</b>	<b>Onboard:</b> Intel® C621 or C624: 4x sSATA 6Gb/s ports 2x SATA 6Gb/s ports SATA RAID 0, 1, 10 <b>Optional Controller:</b> 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)		



Found at:  
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