



QuantaPlex T42E-2U

Cost Effective High
Density Server

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

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



Intel Inside®. New
Possibilities Outside.



Rear view

Unleashing Computing Performance

- Faster socket interconnects, 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

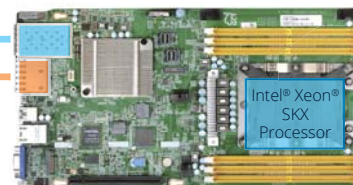
Additional M.2 SSD for OS Installation

- Extra M.2 slot 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.

Cost optimized of onboard Network solution

- Flexible to support both 10Gb SFP+ and Dual 1GbE RJ45 LoM
- Replacing extra OCP Phy board

2x 10Gb SFP+
2x 1GbE RJ45



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



- Tool-less power distribution board (PDB) and fan cage modules minimize service down time



Tool-Less PDB

- Easy-swappable MB sleds spare technicians the need of removing the whole server chassis from the rack
- Intuitive data center management with QCT System Manager (QSM) via integration with industry standard RESTful API and Intel® Rack Scale Design (RSD)

QuantaPlex T42E-2U Specifications

Processor	Processor Type: Intel®Xeon® Processor Scalable Family Max. TDP Support: Up to 140W Number of Processors: (2) per node Internal Interconnect: 9.6GT/s, 10.4GT/s L3 Cache: Up to 38.5MB	Video	Integrated AST2400 with 8MB DDR3 video memory
Form Factor	2U Rack Mount, 4 nodes	System Magement	Redfish v2.1 IPMI v2.0 Compliant, on board "KVM over IP" support QCT System Manager (QSM) v1.8 (Optional)
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	Rear I/O	(2) USB 3.0 ports per node (1) VGA port per node (1) RS232 serial Port per node (1) 10/100/1000 RJ45 magement port per node
Chipset	Intel® C622	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
Storage	Option 1: 24x 2.5" hot pluggable SAS/SATA HDD/SSD Option 2: 12x 3.5" hot pluggable SAS/SATA HDD/SSD	TPM	TPM 1.2/2.0 SPI module
Memory	Total Slots: (12) slots per node Capacity: Up to 768GB RDIMM Memory Type: 2666 MHz DDR4 RDIMM Memory Size: 64GB, 32GB, 16GB, 8GB RDIMM (Refer to CCL)	Weight (Max. Configuration)	39.87 (kg)
Expansion Slot	(1) PCIe Gen3 x16 LP MD-2 per node (1) PCIe Gen3 x2 for 2280/22110 M.2 per node		
Network Controller	LOM: Lewisburg Integrated Network Solution 10G*2 + 1G*2 (2) 10 GbE SFP+ (2) 1000BASE-T using Marvell* 88E1514 external PHY		
Front I/O	(1) USB 2.0 per node		
Storage Controller	Onboard: Intel® C622: (6) SATA 6Gb/s ports SATA RAID 0, 1 Optional Controller: Please refer to our Compatible Component List for more information		
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 (200V-240V)		
Onboard Storage	Option 1: (1) PCIe M.2 per node Option 2: (1) SATA M.2 per node		
Fan	(4) system fans		



Found at:
www.QCT.io/wheretobuy

All specifications and figures are subject to change without prior notice.
Actual products may look different from the photos.

QCT, the QCT logo, Rackgo, Quanta, and the Quanta logo are trademarks or registered trademarks of Quanta Computer Inc.

All trademarks and logos are the properties of their respective holders.

Copyright © 2018 Quanta Computer Inc. All rights reserved.

United States
QCT LLC., Silicon Valley office
1010 Rincon Circle, San Jose, CA 95131
TOLL-FREE: 1-855-QCT-MUST
TEL: +1-510-270-6111
FAX: +1-510-270-6161
Support: +1-510-270-6216

Japan
Quanta Cloud Technology Japan 株式会社
日本国東京都港区芝大門二丁目五番八号
牧田ビル3階
TEL: +81-3-5777-0818
FAX: +81-3-5777-0819

Germany
Quanta Cloud Technology Germany GmbH
Hamborner Str. 55, 40472 Düsseldorf
TEL: +49-2405-4083-1300

Other regions
Quanta Cloud Technology
No. 211 Wenhua 2nd Rd., Guishan Dist.,
Taoyuan City 33377, Taiwan
TEL: +886-3-327-2345
FAX: +886-3-397-4770



Intel Inside®.
New Possibilities Outside.

Intel, the Intel logo, Xeon, and Xeon Inside are trademarks or registered trademarks of Intel Corporation in the U.S. and/or other countries.