QuantaPlex T41SP-2U

2U 4-Node Server Featuring NVMe SSD

Rear view

- Next Generation Platform with DDR4 technology
- Great Performance with NVMe SSD
- Shared Infrastructure Delivers Space and Energy Effeciency
- Various OCP Network Option

QuantaPlex T41SP-2U is an ultra-dense design equipped with four independent nodes. It creates the flexibility to set up different workloads independently in one 2U shared infrastructure, providing optimal data center performance per dollar. Each node supports two NVMe SSDs,which are three times as fast as conventional high-end 12Gbps SAS SSDs.

Lastest Generation Platform with DDR4 Technology

QuantaPlex T41SP-2U operates with the latest Intel® E5-2600 v3, v4 product family and the newest DDR4 memory technology. It provides maximum 18-core count CPU with enhanced QPI bandwidth to 9.6GT/s, a 20 percent improvement from the previous generation. With up to 1024 GB memory capacity, the system performance has a Linpack score up to 80 percent increase and is optimized to run the most demanding of applications.

Great performance with NVMe SSD

NVMe provides a PCIe interface that makes it more than three times as fast as a conventional high-end 12Gbps SAS SSD. The T41SP-2U delivers fast results in high-performance computing applications, such as tasks involving big data. With the help of extreme low-latency SSD, customers get excellent IOPS performance in all applications. NVMe also supports a hot-plug feature for convenience similar to a SAS HDD/SSD.

Space and Energy Efficiency

QuantaPlex T41SP-2U provides a 2U four-node system with sufficient IO expansion for storage and networking increases. With shared infrastructure, like cooling and power supply, the total cost of ownership (TCO) is lower than four regular 1U servers. The QuantaPlex T41SP-2U is a great solution for increasing the number of servers per square foot in a limited space.

Various OCP Network Options

QCT uses the modular design concept to optimize system interoperability, flexibility and serviceability. QCT's flexible network mezzanine cards are designed to fit into every QCT server/storage system to reduce the complexity and uncertainty of the system availability options.

High Serviceability

The QuantaPlex T41SP-2U consistently delivers high serviceability to reduce service time and costs. Its module design concept for the fan cage and the PDB cage reduces cable routing.

About QCT

QCT (Quanta Cloud Technology) is a global datacenter solution provider extending the power of hyperscale datacenter design in standard and open SKUs to all datacenter customers.

Product lines include servers, storage, network switches, integrated rack systems and cloud solutions, all delivering hyperscale efficiency, scalability, reliability, manageability, serviceability and optimized performance for each workload.

QCT offers a full spectrum of datacenter products and services from engineering, integration and optimization to global supply chain support, all under one roof.

The parent of QCT is Quanta Computer Inc., a Fortune Global 500 technology engineering and manufacturing company.

http://www.QCT.io

Powered by Intel® Xeon® processor
Intel Inside®. Powerful Data Center Outside.

Found at: www.QCT.io/wheretobuy

QuantaPlex T41SP-2U (4-Node)

Processor	**Processor Type:** Intel® Xeon® processor E5-2600 v3, v4 product family **Max. TDP Support:** 135W or 145W * **Number of Processors:** 2 **Internal Interconnect:** 6.4 / 8.0/ 9.6 GT/s **L3 Cache:** Up to 45MB
Chipset	Intel® C610
Memory	**Total Slots:** 16 **Capacity:** Up to 512GB RDIMM Up to 1024GB LRDIMM **Memory Type**: 2133/2400 MHz DDR4 RDIMM/ LRDIMM **Memory Size:** 32GB, 16GB, 8GB RDIMM 64GB, 32GB LRDIMM
Network Controller	**LOM:** Option 1: Intel® I350 dual-port 1 GbE per node Dedicated 10/100 management port per node Option 2: Intel® X540 dual-port 10GbE BASE-T per node * Dedicated 10/100 management port per node Option 3: Intel® 82599ES dual-port 10G SFP+ per node Dedicated 10/100 management port per node **Optional NIC (more options refer to the CCL):** Please refer to our Compatible Component List for more information
Storage Controller	**Onboard:** Intel® C610: (6) SATA 6Gb/s ports; SATA RAID 0, 1, 10 **Optional Controller (more options refer to the CCL):** Please refer to our Compatible Component List for more information
Onboard Storage	Spport UFM
Video	Integrated AST2400 with 8MB DDR3 video memory
Rear I/O	(2) USB 3.0 ports (1) VGA port (1) RS232 serial Port (2) 1 GbE or 10G BASE-T RJ45 port (1) 10/100 RJ45 magement port
TPM	TPM 1.2 (Option)
Form Factor	2U Rack Mount, 4 nodes
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
Storage	(24) 2.5" hot-plug (8x NVMe SSDs)
Expansion Slot	(1) PCIe Gen3 x16 Low profile MD-2 (1) PCIe Gen3 x8 mezzanine slot (1) PCIe Gen3 x8 OCP LAN mezzanine slot
Front I/O	(1) USB 2.0
Power Supply	(2) high efficiency hot-plug 1600W PSU, 80 Plus Platinum (200V-240V) *
Fan	(4) hot-plug system fans *
System Management	IPMI v2.0 Compliant, onboard "KVM over IP", Quanta System Manager (QSM)/ Quanta DataCenter Manager(QDCM) (optional) support
Operating Environment	Operating temperature: 5°C to 35°C (41°F to 95°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: 40% to 90%RH

* Restriction applies. Please contact QCT Sales representive regarding 145W support
* Restriction applies. Please contact QCT Sales representive regarding Intel® X540 dual-port 10GbE BASE-T support
* Maximum Output Power = 1023W at 100V-120V~ Input
* Maximum Output Power = 1200W at 200V-240V~ Input
* Cable management arm (CMA) is required for fans hot-pluggable feature

Found at: www.QCT.io/wheretobuy

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