

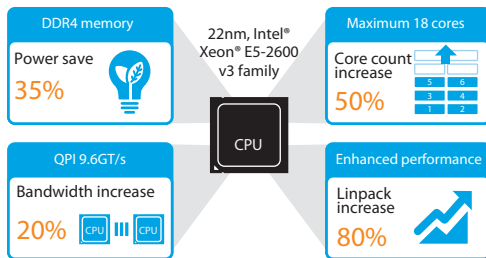
QuantaPlex T41S-2U



2U 4-Node Server
Featuring Highest
Compute Density

Quanta®

QuantaPlex T41S-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.



Lastest Generation Platform with DDR4 Technology

QuantaPlex T41S-2U operates with the latest Intel® Xeon® E5-2600 v3 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.

Space and Energy Efficiency

QuantaPlex T41S-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 T41S-2U is a great solution for increasing the number of servers per square foot in a limited space.

Various OCP Network Options

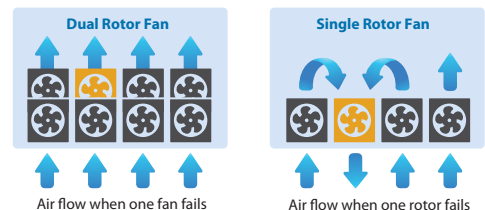
QCT uses the modular design concept to optimize system interoperability, flexibility and serviceability. QCT's flexible network mezzanine cards are designed to fit into every QCT server/storage system to reduce the complexity and uncertainty of the system availability options.

Dual Rotor Fan Design

QCT dual rotor fan maintains non-impact performance once any fan fails. Compared to a single fan design, a dual rotor fan keeps the system's internal air flowing in the right direction if one rotor fails, enhancing product stability and durability.

High Serviceability

The QuantaPlex T41S-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 Quanta Cloud Technology (QCT)

Quanta Cloud Technology (QCT) provides advanced hardware systems to cloud datacenters worldwide. Product lines include servers, storage, network switches, and integrated rack systems. QCT customers want the same innovative cloud hardware technology in use by hyperscale cloud datacenter operators, but in off-the-shelf SKUs with global services. QCT sells cloud hardware that delivers hyperscale performance, efficiency and advanced engineering, with flexible product configuration, rack integration, performance tuning and engineering consulting services to help customers deploy optimized cloud solutions for their unique cloud workloads.

QCT's parent is Quanta Computer, Inc., a Fortune Global 500 company with more than 100,000 employees located at engineering, manufacturing and services facilities worldwide. <http://www.QuantaQCT.com>

QuantaPlex T41S-2U



Build a more
secure Cloud with
Intel® Technology.

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
Expansion Slot	One x16 PCIe 3.0, LP MD-2 per node One x8 PCIe 3.0 mezzanine slot per node
Storage	<i>Option 1:</i> 24x 2.5" hot plug per node <i>Option 2:</i> 12x 3.5" hot plug per node
Front I/O	1x USB 2.0
Power Supply	<i>Option 1:</i> 2x high efficiency hot-plug 1200W PSU, 80 Plus Platinum <i>Option 2:</i> 2x high efficiency hot-plug 1600W PSU, 80 Plus Platinum
Fan	4x system fans
System Magement	IPMI v2.0 Compliant, on board "KVM over IP" 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: 50% to 85%RH Non-operating relative humidity: 20% to 90%RH
Weight	Net weight: 31.8 kg (69.96 lb)
Processor	Processor Type: Intel® Xeon® processor E5-2600 v3 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/ 1024GB LRDIMM Memory Type: 2133 MHz DDR4 RDIMM/ LRDIMM Memory Size: 32GB, 16GB, 8GB RDIMM/ 64GB, 32GB LRDIMM
Storage Controller	Onboard: Intel® 610: 6x SATA 6Gb/s ports; SATA RAID 0, 1, 10 Optional Controller: QCT LSI® 2108 6Gb/s RAID mezzanine, RAID 0, 1, 5, 10. (RAID 6 with additiol RAID key) QCT LSI® 2208 6Gb/s RAID mezzanine, RAID 0, 1, 5, 10. (RAID 6 with additiol RAID key) QCT LSI® 2308 6Gb/s SAS mezzanine, RAID 0,1,10 QCT LSI® 3008 12Gb/s SAS mezzanine, RAID 0,1,10
Network Controller	LOM: <i>Option 1:</i> Intel® I350 dual-port 1 GbE per node; Dedicated 10/100 management port per node <i>Option 2:</i> Intel® X540 dual-port 10GbE BASE-T per node**; Dedicated 10/100 management port per node <i>Option 3:</i> Intel® 82599ES dual-port 10G SFP+ per node; Dedicated 10/100 management port per node Optional NIC: QCT Intel® I350 dual-port mezzanine QCT Intel® X540 dual-port 10GbE BASE-T mezzanine QCT Intel® 82599ES dual-port 10G SFP+ mezzanine
Onboard Storage	Support UFM
Video	Integrated AST2400 with 8MB DDR3 video memory
Rear I/O	2x USB 3.0 ports, 1x VGA port, 1 x RS232 serial Port, 2x 1GbE or 10G BASE-T RJ45 or 10G SFP+ port, 1x 10/100 management port
TPM	Yes (with TPM 1.2/2.0 option)

* Restriction applies. Please contact QCT Sales representative regarding 145W support.

** Restriction applies. Please contact QCT Sales representative regarding Intel® X540 dual-port 10GbE BASE-T support.



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