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INTRODUCING THE ALL NEW QCT 2nd GENERATION SERVER PLATFORMS

The Foundation for Today & Tomorrow's Mission-critical Workloads.



| The Latest Intel® Xeon® Scalable Processors | Most Efficient Power Conversion | Insanely Fast SSDs



Screwless One-Click Designs

Intel Inside®. New Possibilities Outside.
Intel® Xeon® Scalable Processors

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QuantaGrid D52B-1U



Defying Physical Limitations

- Ultimate Compute and Storage Density
- Flexible and Scalable I/O Options
- Enhanced Serviceability with tool-less drive bays, PCIe expansion slots

	All Flash SKU	SFF Tiered SKU	Hybrid SKU
Processor	(2) Intel® Xeon® Scalable Processors (Skylake-SP/F), Up to 165W TDP		
Chipset	Intel® C621/C624 chipset		
Memory	Up to 3TB (128Gx24) of memory for DDR4 RDIMM/LRDIMM		
Storage	(12) 2.5" hot-plug SATA/NVMe SSD	(8) 2.5" hot-plug SATA/SAS drives + (4) 2.5" hot-plug NVMe/SATA/SAS drives	Option 1 (3PCIe) (4) 3.5"/2.5" hot-plug SATA/SAS drives, (4) 9mm NVMe/SATA/SAS drives (optional) Option 2 (2PCIe) (4) 3.5"/2.5" hot-plug SATA/SAS drives, (4) 9mm SATA/SAS drives (optional)
Network Controller	(1) OCP 2.0 mezzanine or PHY card (1) Dedicated 1 GbE management port		
Expansion Slot	(2PCIe) (1) PCIe Gen3 x16 OCP 2.0 mezzanine slot or PHY card (1) PCIe Gen3 x16 LP MD-2 (1) PCIe Gen3 x8 FHHL	Option 1 (3PCIe) (1) PCIe Gen3 x16 SAS mezzanine slot (1) PCIe Gen3 x16 OCP 2.0 mezzanine slot or PHY card (1) PCIe Gen3 x16 LP MD-2 (2) PCIe Gen3 x 8 LP MD-2 Option 2 (2PCIe) (1) PCIe Gen3 x16 SAS mezzanine slot (1) PCIe Gen3 x16 OCP 2.0 mezzanine slot or PHY card (1) PCIe Gen3 x 8 FHHL (1) PCIe Gen3 x16 LP-MD-2	Option 1 (3PCIe) (1) PCIe Gen3 x16 SAS mezzanine slot (1) PCIe Gen3 x16 OCP 2.0 mezzanine slot or PHY card (1) PCIe Gen3 x16 LP MD-2 (2) PCIe Gen3 x 8 LP MD-2 Option 2 (2PCIe) (1) PCIe Gen3 x16 SAS mezzanine slot (1) PCIe Gen3 x16 OCP 2.0 mezzanine slot or PHY card (1) PCIe Gen3 x16 FHHL (1) PCIe Gen3 x16 LP-MD-2
Form Factor	1U Rackmount		

QuantaGrid D52BQ-2U



Scale Along with Your Business

- Versatile and Scalable Configurations
- Optimized for Software Defined Storage
- Enhanced Serviceability with tool-less drive bays, PCIe expansion slots

LFF SATA/SAS SKU	LFF Tiered SKU	SFF Pass-through SKU	SFF SAS3224 Paddle SKU	SFF SAS35x40 Expander SKU
(2) Intel® Xeon® Scalable Processors (Skylake-SP/F), Up to 205W TDP				
Intel® C621/C624 chipset				
Up to 3TB (128Gx24) of memory for DDR4 RDIMM/LRDIMM				
Front Storage: (12) 3.5"/2.5" hot-plug SATA/ SAS drives Rear Storage: (2) 2.5" hot-plug NVMe/SATA/SAS drives (optional)	Front Storage: (8) 3.5"/2.5" hot-plug SATA/SAS drives + (4) 2.5" hot-plug NVMe/SATA/SAS drives Rear Storage: (2) 2.5" hot-plug NVMe/SATA/SAS drives (optional)	Front Storage: (16) 2.5" hot-plug SATA/SAS drives + (8) 2.5" hot-plug NVMe drives Rear Storage: (2) 2.5" hot-plug SATA drives (optional)	Front Storage: (24) 2.5" hot-plug SATA/SAS drives w/ SAS3224 Rear Storage: (2) 2.5" hot-plug NVMe/SATA drives (optional)	Option 1 Front Storage: (24) 2.5" hot-plug SATA/SAS drives Rear Storage: (2) 2.5" hot-plug NVMe drives (optional) Option 2 Front Storage: (24) 2.5" hot-plug SATA/SAS drives Rear Storage: (2) 2.5" hot-plug SATA/SAS drives (optional)
(1) OCP 2.0 mezzanine or PHY card (1) Dedicated 1 GbE management port				
(1) PCIe Gen3 x16 SAS mezzanine slot (1) PCIe Gen3 x16 OCP 2.0 mezzanine slot or PHY card (2) PCIe Gen3 x 8 FHHL or (1) PCIe Gen3 x16 FHHL (3) PCIe Gen3 x 8 FHHL or (1) PCIe Gen3 x16 + x 8 FHHL (1) PCIe Gen3 x16 LP MD-2	(1) PCIe Gen3 x16 SAS mezzanine slot (1) PCIe Gen3 x16 OCP 2.0 mezzanine slot or PHY card (1) PCIe Gen3 x 8 FHHL (3) PCIe Gen3 x 8 FHHL or (1) PCIe Gen3 x16 + x 8 FHHL (1) PCIe Gen3 x16 LP MD-2	(1) PCIe Gen3 x16 OCP 2.0 mezzanine slot or PHY card (2) PCIe Gen3 x 8 FHHL or (1) PCIe Gen3 x16 FHHL (1) PCIe Gen3 x16 LP MD-2' Note!: must be with SAS add-on card	(1) PCIe Gen3 x16 OCP 2.0 mezzanine slot or PHY card (2) PCIe Gen3 x 8 FHHL or (1) PCIe Gen3 x16 FHHL (3) PCIe Gen3 x 8 FHHL or (1) PCIe Gen3 x16 + x 8 FHHL (1) PCIe Gen3 x16 LP MD-2	Option 1 (1) PCIe Gen3 x16 SAS mezzanine slot (1) PCIe Gen3 x16 OCP 2.0 mezzanine slot or PHY card (2) PCIe Gen3 x 8 FHHL or (1) PCIe Gen3 x16 FHHL (3) PCIe Gen3 x 8 FHHL or (1) PCIe Gen3 x16 + x 8 FHHL (1) PCIe Gen3 x16 LP MD-2 Option 2 (1) PCIe Gen3 x16 SAS mezzanine slot or PHY card (2) PCIe Gen3 x 8 FHHL or (1) PCIe Gen3 x16 FHHL (3) PCIe Gen3 x 8 FHHL or (1) PCIe Gen3 x16 + x 8 FHHL (3) PCIe Gen3 x 8 LP MD-2 or (1) PCIe Gen3 x16 + x 8 LP MD-2
Form Factor				
1U Rackmount			2U Rackmount	

QuantaPlex T42S-2U



Ample Performance Multi-Node Server

- 16x DIMM slots per node
- High Density and Easy Service 2U 4-node System
- Shared Infrastructure Delivers Space and Energy Efficiency

Processor	(2) Intel® Xeon® Scalable Processors (Skylake-SP) per node, Up to 165W TDP
Chipset	Intel® C621/C624 chipset
Memory	(16) 2666 MHz DDR4 RDIMM
Storage	Option 1: (4) MBs with 24x 2.5" hot-plug SATA/SAS HDD/SSD Option 2: (4) MBs with 12x 3.5"/2.5" hot-plug SATA/SAS HDD/SSD
Network Controller	Dedicated 10/100/1000 management port per node Options (by OCP mezzanine or LP MD-2 or PHY board): 1/10/25/40/50/100 Gbps, 1/2/4 port
Expansion Slot	(1) PCIe Gen3 x16 LP MD-2 (1) PCIe Gen3 x8 for SAS mezzanine (1) PCIe Gen3 x16 for OCP mezzanine (1) PCIe Gen3 x2 for SATA/PCIe M.2
Form Factor	2U Rackmount, 4 Nodes

QuantaPlex T42SP-2U



Ample Performance Multi-Node Server with Additional NVMe Tier

- 16x DIMM slots per node
- With NVMe Cache Tier to Accelerate Data IOPS
- Shared Infrastructure Delivers Space and Energy Efficiency

Processor	(2) Intel® Xeon® Scalable Processors (Skylake-SP) per node, Up to 165W TDP
Chipset	Intel® C621/C624 chipset
Memory	(16) 2666 MHz DDR4 RDIMM
Storage	(4) MBs with 16x 2.5" hot-plug SATA/SAS HDD/SSD + 8x 2.5" hot-plug U.2
Network Controller	Dedicated 10/100/1000 management port per node Options (by OCP mezzanine or LP MD-2 or PHY board): 1/10/25/40/50/100 Gbps, 1/2/4 port
Expansion Slot	(1) PCIe Gen3 x16 LP MD-2 (1) PCIe Gen3 x8 for SAS mezzanine (1) PCIe Gen3 x16 for OCP mezzanine (1) PCIe Gen3 x2 for SATA/PCIe M.2
Form Factor	2U Rackmount, 4 Nodes

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.

www.QCT.io

The Latest Intel® Xeon® Scalable Processors

- 2x improvement in floating point operations per second per clock-cycle as well as peak performance capability increases
- Scale up to 112 virtual CPUs per 2-socket systems with hyper-threading

Most Efficient Power Conversion

- Following advancements and new energy standards, the QCT's server platforms deliver power at an all-time-high conversion rate with minimal energy loss
- QCT next-generation server platforms can sustain amazingly low power consumption at system idle

Insanely Fast SSDs

- QCT widely utilizes latest generation NVMe SSDs in place of SATA drives in a variety of forms, multiplying the platform's speed and performance exponentially to deliver the fastest bandwidth, greater IOPS, and lower latency.



Found at: www.QCT.io/wheretobuy

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QCT 2nd GENERATION SERVER PLATFORMS

High Efficiency Compute Server



QuantaGrid D52B-1U

1U/ Dual Socket

#Compute #HPC #NFV #HCI



QuantaGrid D52BQ-2U

2U/ Dual Socket

#Compute #HPC #SDS #HCI



QuantaGrid Q72D-2U

2U/ Quad Socket

#Compute #HPC #IMDB

High Density Multi-Node Server



QuantaPlex T42S-2U (4-node)

16x DIMM per node

#Compute #CDN #VDI



QuantaPlex T42SP-2U (4-node)

16x DIMM per node/ NVMe Tiered Storage

#Compute #vSAN #VDI



QuantaPlex T42D-2U (4-node)

24x DIMM per node/ All NVMe Flash

#Compute #VDI #Enterprise #IMDB



QuantaPlex T22SF-1U (2-node)

16x DIMM per node/ Front Access/ High MTBF

#Compute #HyperScale

High Scalability AI Acceleration Server



QuantaGrid D52BV-2U

4x GPU/ Xeon Phi™

#HPC #Machine Learning #VDI



QuantaGrid D52G-4U

8x GPU/ Xeon Phi™

#HPC #Machine Learning

High Capacity Storage Servers



QuantaGrid D52T-1ULH

12x LFF + 4x SSD

#Hadoop #Ceph #Enterprise Storage #SDS



QuantaGrid T22P-4U

78x LFF

#Big Data #HyperScale Storage



QuantaGrid D52PL-4U

102x LFF

#Big Data #HyperScale Storage

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