



QuantaGrid D52Y-2U

Performance Upgraded for vRAN/ MEC Edge Server

- **NUMA-Balanced infrastructures to provide lower latency transportation for telecom ecosystems**
- **Distinguished, flexible I/O design supports up to five PCIe expansion slots for GPU or FPGA accelerator cards**
- **NEBS GR-63-CORE and GR-1089-CORE compliance edge server can be deployed in extreme environments**
- **Supported AC or -48V DC power supply with both front and rear power inlets for different kinds of datacenter design**
- **420mm ultra-short chassis fits various environments and is perfect for footprint minimization**
- **Optional filter design implement prevents system malfunction from airborne contaminants**

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.

Found at: www.QCT.io/wheretobuy



Powered by Intel® Xeon® Scalable Processors



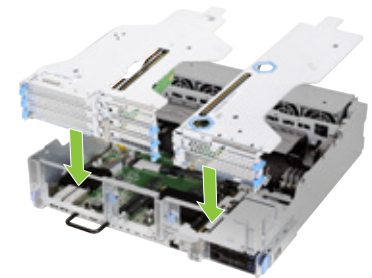
Performance Upgraded



- NUMA-Balanced infrastructures to provide lower latency transportation for telecom ecosystems and also a performance upgrade for CDN and MEC edge servers. The first NUMA-Balanced design with three UPIs allows more balance for the I/O transparency, which provides optimum computing performance.
- Leading technology for graphic card and accelerator card support on the edge, which is optimized for machine-learning-in -edge -sites. Up to five PCIe expansion slots on the telco server, 1.5 times more than general purpose servers, ensures that bottlenecks for data transferring and processing do not occur.

Distinguished Flexible Design

- 420mm ultra-short chassis, which fits various environments; can be placed very close to walls; and offers a small footprint.
- D52Y-2U-tailored with flexible front I/O and all screw-less design for the best serviceability. We have two different SKUs supporting different applications: the PCIe SKU, which is optimized for NFVi; and the machine-learning in edge, storage SKU, which can fulfil CDN application requirements.
- Front I/O access design provides a user-friendly experience and enhances serviceability.
- Supported AC or -48V DC power supply with both front and rear power inlets for different kinds of datacenter design. DC PSU support for specific telecom customer requirements.
- Removable mounting ear, which can be placed very close to walls.



NEBS Compliance for Telecom Application

- NEBS GR-63-CORE and GR-1089-CORE compliance edge server, which can be deployed in extreme environments. Optional filter design implement also prevents system malfunction from airborne contaminants arising in critical operating conditions.



QuantaGrid D52Y-2U Specifications

Processor	Processor Type: Intel® Xeon® Processor Scalable Family Max. TDP Support: 205W Number of Processors: 2 Processor	
Form Factor	2U Rack Mount	
Dimensions	W x H x D (inch): 17.6 x 3.39 x 16.5 W x H x D (mm): 447.8 x 86.3 x 420	
MB specification	366mm x 345.2mm, 14 layers	
Storage	PCIe SKU (2) 2.5" hot-plug Drives	Storage SKU (10) 2.5" hot-plug Drives
Memory	Total Slots: 16 Capacity: Up to 2TB (128Gx16) of memory for RDIMM/LRDIMM Memory Type: Up to 2933 MHz DDR4 RDIMM Memory Size: 128GB, 64GB, 32GB, 16GB, 8GB RDIMM (more options refer to the CCL)	
Expansion Slot	PCIe SKU [CPU0] (1) FHFL PCIe Gen3x16 (1) FHHL PCIe Gen3x16 [CPU1] (1) FHFL PCIe Gen3x16 (1) HHHL PCIe Gen3x16 or (2) HHHL PCIe Gen3x8 or (1) SAS Mezz adapter	Storage SKU [CPU0] (1) FHHL PCIe Gen3x16 [CPU1] (1) FHHL PCIe Gen3x16 or (1) SAS Mezz adapter
Front I/O	(2) USB 3.0 (1) Front COM port (2) Broadcom chip BCM57417 25G (SFP28) (1) Power button/ LED (1) Health (Status) LED (1) Dedicated 1 GbE management port	
Power Supply	1+1 High efficiency redundant hot-plug 1600W PSU	
Fan	(5) N+1 hot-plug dual rotor fans	
System Management	IPMI v2.0 Compliant, on board "KVM over IP" support QCT System Manager (QSM) v1.9 (Optional)	
Operating Environment	Normal Operation Temp. 5° ~ 40° (1829M/Fan Failure) Short-term Operation Temp. -5° ~ 50° Storage Temp. -40° ~ 70° Humidity 5% ~ 90% Acoustic requirement 75dB NEBS Level 3 - GR1089/GR63	
TPM	SPI 2.0 (option)	
Weight	Net weight: 25 KG	
Storage Controller	Optional Controller Quanta LSI® 3008 12Gb/s SAS mezzanine Intel® VROC Upgrade Module for PCIe SSD	
Note	(2) PCIe/SATA M.2 support for boot disk (option)	

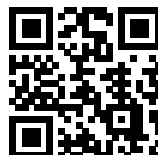


All specifications and figures are subject to change without prior notice. Actual products may look different from the photos. QCT, the QCT logo, Rackgo, Quanta, and the Quanta logo are trademarks or registered trademarks of Quanta Computer Inc. All trademarks and logos are the properties of their respective holders. Copyright © 2020 Quanta Computer Inc. All rights reserved.

Contact Us



www.QCT.io



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