



QuantaGrid SD2H-1U

Ultimate I/O Flexibility for vRAN/MEC Edge Server

- **Exclusive MEC platform**
- **Highly serviceable and configurable design**
- **NEBS Level3 compliant to fully meet Telco environment requirements**

About QCT

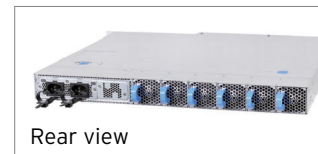
Quanta Cloud Technology (QCT) is a global datacenter solution provider. We combine the efficiency of hyperscale hardware with infrastructure software from a diversity of industry leaders to solve next-generation datacenter design and operation challenges. QCT serves cloud service providers, telecoms 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.

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Powered by Intel® Xeon® Processors

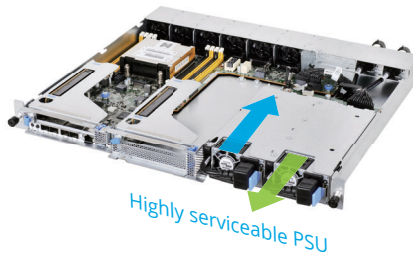


Exclusive MEC platform

- SD2H-1U can rapidly process content at the very edge of the mobile network, delivering an experience that is ultra-responsive.
- For MEC edge applications, an ultra short depth 400mm chassis design can fit into different kinds of edge environments.
- High security platform through the integration with Intel QuickAssist Technology(QAT) to crypto and accelerate packet processing.



Highly serviceable and configurable design



- Supports both front & rear power inlets with a front PSU design and reserve AC sockets on the rear side.
- Screwless designs including MB, riser card slots, drives, hot swappable fans, and PSU makes SD2H-1U has the highest serviceability.
- By flexible module design, SD2H-1U is a highly configurable system which can support FPGA, GPU, NIC card and SAS mezzanine card.

NEBS Level 3 compliant to fully meet Telco environment requirements

- Efficient power and thermal design enable the QuantaGrid SD2H-1U to operate in tough environments.
- Support NEBS level 3 which guarantees the maximum reliability and safety requirements for telco environments.
- For NEBS level3, SD2H-1U has NEBS GR63 and GR1089 certifications.

QuantaGrid SD2H-1U Specifications

Processor	Processor Type: Intel® Xeon® Processor D Max. TDP Support: 110W Number of Processors: 1 Processor Internal Interconnect: N/A
Form Factor	1U Rack Mount
Dimensions	W x H x D (inch): 17.63 x 1.67 x 15.75 W x H x D (mm): 447.8 x 42.5 x 400
Chipset	SoC
Storage	Default Configuration: (2) PCIe Gen3 x 4 M.2 SSD SKU - #1 : NA SKU - #2 : (2) 2.5" hot-plug NVMe/SATA drives
Memory	Total Slots: 8 Capacity: Up to 512GB RDIMM Memory Type: 2666 MHz DDR4 RDIMM Memory Size: 64GB, 32GB, 16GB, 8GB RDIMM (128GB is coming soon)
Expansion Slot	SKU - #1 : (1) PCIe Gen3 x16 FH(3/4)L, (1) PCIe Gen3 x16 FHHLL SKU - #2 : (1) PCIe Gen3 x16 FHHLL
Network Controller	LOM: (4) 10GbE SFP+ port
Front I/O	(1) Power LED button (1) ID LED button (1) Status LED (2) USB 3.0 (4) 10GbE SFP+ port (1) RJ45 Management Port (1) Micro USB2.0 BMC debug port
Power Supply	(1+1) high-efficiency hot-plug 1600W AC PSU
Onboard Storage	(2) PCIe Gen3 x 4 M.2 SSD
Fan	(6) single rotor fans (N+1 redundant)
Video	Integrated ASPED AST2500 16MB DDR4 video memory

System	IPMI v2.0 Compliant, on board "KVM over IP" support
Management	IP" support
Rear I/O	(2) AC PSU socket
Operating Environment	Normal Operation Temp. 5°~ 40° (1829M/Fan Failure) Short-term Operation Temp. -5°~ 50° Storage Temp. -40°~ 70° Humidity 5% ~ 85% Acoustic requirement 75dB NEBS Level 3 - GR1089/GR63
TPM	TPM 1.2/2.0 SPI module
Weight (Max. Configuration)	15 (kg)



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