



# QuantaGrid SD2H-1U

## Ultimate Compute and Storage Density 2-Socket 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



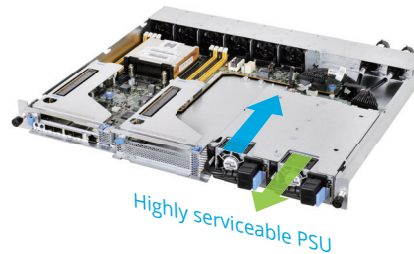
Rear view

### 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 compliance 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

<b>Processor</b>	<b>Processor Type:</b> Intel® Xeon® Processor D <b>Max. TDP Support:</b> 110W <b>Number of Processors:</b> 1 Processor <b>Internal Interconnect:</b> N/A	<b>System</b>	IPMI v2.0 Compliant, on board "KVM over IP" support
<b>Form Factor</b>	1U Rack Mount	<b>Management</b>	IP" support
<b>Dimensions</b>	<b>W x H x D (inch):</b> 17.63 x 1.67 x 15.75 <b>W x H x D (mm):</b> 447.8 x 42.5 x 400	<b>Rear I/O</b>	(2) AC PSU socket
<b>Chipset</b>	SoC	<b>Operating Environment</b>	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
<b>Storage</b>	<b>Default Configuration:</b> (2) PCIe Gen3 x 4 M.2 SSD <b>SKU - #1 :</b> NA <b>SKU - #2 :</b> (2) 2.5" hot-plug NVMe/SATA drives	<b>TPM</b>	TPM 1.2/2.0 SPI module
<b>Memory</b>	<b>Total Slots:</b> 8 <b>Capacity:</b> Up to 512GB RDIMM <b>Memory Type:</b> 2666 MHz DDR4 RDIMM <b>Memory Size:</b> 64GB, 32GB, 16GB, 8GB RDIMM (128GB is coming soon)	<b>Weight (Max. Configuration)</b>	15 (kg)
<b>Expansion Slot</b>	<b>SKU - #1 :</b> (1) PCIe Gen3 x16 FH(3/4)L, (1) PCIe Gen3 x16 FHHL <b>SKU - #2 :</b> (1) PCIe Gen3 x16 FHHL		
<b>Network Controller</b>	<b>LOM:</b> (4) 10GbE SFP+ port		
<b>Front I/O</b>	(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		
<b>Power Supply</b>	(1+1) high-efficiency hot-plug 1600W AC PSU		
<b>Onboard Storage</b>	(2) PCIe Gen3 x 4 M.2 SSD		
<b>Fan</b>	(6) single rotor fans (N+1 redundant)		
<b>Video</b>	Integrated ASPED AST2500 16MB DDR4 video memory		



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