



Versatile, Flexible and Intelligent Edge Computing

QuantaEdge EGX63IS-1U

Carrier-Grade Multi-Access Edge Computing (MEC) Server

- 3rd Gen Intel® Xeon Scalable processor Ice Lake Single Socket empowered
- Front access design for centralized/distributed Radio Access Network (RAN)
- Distinguished, flexible I/O design supports up to three PCIe Gen4 expansion slots
- 400mm ultra-short depth for footprint minimization
- NEBS Level 3 and ORAN/OTII compliant
- Thermal enhancements for -5~55°C critical environment

About QCT

Quanta Cloud Technology (QCT) is a global data center solution provider. We combine the efficiency of hyperscale hardware with infrastructure software from a diversity of industry leaders to solve next-generation data center 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 data center 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 company of QCT is Quanta Computer, Inc., a Fortune Global 500 corporation.

Found at: www.QCT.io/wheretobuy



Powered by 3rd Gen Intel® Xeon® Scalable Processors

- 3rd Gen Intel® Xeon Scalable processor Ice Lake Single Socket empowered
- Advance system cooling supports up to 225W CPU TDP
- 4x25GbE SFP28 LOM and up to 3 PCIe Gen4 expansion slots for advanced networking
- TPM / QAT / PFR /GNSS optional
- AC / DC Power redundancy and efficiency
- NEBS / ORAN / OTII compliant

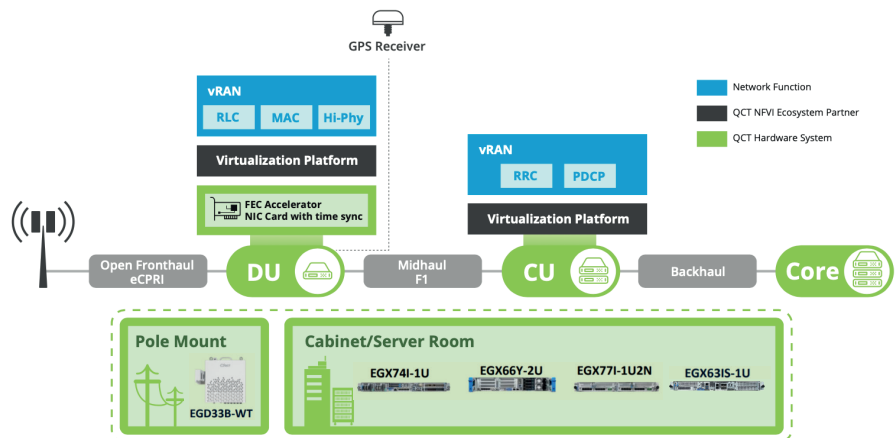
Flexible and Scalable Configurations

Config 1 Expansion SKU		
PCIe Expansions Expansion SKU: 1 x FHHL PCIe Gen 4*16	Networking 2 x 1GbE RJ45 ports 4 x 25GbE SFP28 ports	PCIe Expansions Expansion SKU: 2 x FHHL PCIe Gen 4*16
Config 2 Storage SKU		
PCIe Expansions Storage SKU: 2 x 2.5" SATA SSD	Networking 2 x 1GbE RJ45 ports 4 x 25GbE SFP28 ports	PCIe Expansions Storage SKU: 2 x FHHL PCIe Gen 4*16

Tailor-Made for 5G Telco and MEC Edge Servers

Open RAN transforms the architecture of mobile networks by bringing NFVi cloud, AI inference and optimized management into the radio access networks, enabling unlimited orchestration possibilities with future new applications and eventually assembling the ultimate 5G world.

QuantaEdge is the product line QCT builds for realizing the Open RAN in different scenarios, including Centralized RAN and Distributed RAN. The server design is tailor-made for vRAN workloads with O-RAN function split option 7-2, advanced time synchronization and virtualization.



The QuantaEdge EGX63IS-1U is a 3rd Gen Intel® Xeon® Scalable Processor Single Socket based short depth MEC server. High Performance, I/O expandability and power efficiency provides best-in-class open platform for 5G Open RAN, private 5G networks, and a broad range of 5G MEC applications. EGX63IS-1U design is driven by ORAN and OTII, also meets NEBS level 3 and Earthquake zone 4.

Certification



Enhanced Security

Chassis intrusion triggered when top cover removed while AC/DC on, to alert and log any possible breach to your QCT servers.



Easy Management with Orquestra



- Secure and dynamic data administration of data center resources with Orquestra.
- Monitor up to 5000 devices per QST (QCT Service Tool).

QuantaEdge EGX63IS-1U Specifications

Processor	<p>Processor Family: Intel®Xeon® Processor Scalable Family</p> <p>Processor Type: Intel®Xeon® Processor Scalable Family</p> <p>Max. TDP Support: 225W</p> <p>Number of Processors: 1 Processor</p>	Power Supply	800W 73.5mm Platinum AC/DC redundant power supplies
Form Factor	1U	Fan	(5) 40x28mm single rotor fans (N+1 redundant)
Dimensions	<p>W x H x D (inch): 17.6 x 1.7 x 16.5</p> <p>W x H x D (mm): 447.8 x 42.8 x 400</p>	System Management	IPMI v2.0 Compliance, Redfish v1.8 Compliance, QCT Orquestra v1.1 (Optional)
Storage	<p>SKU - #1 : Expansion SKU - (2) NVME / SATA3 M.2 2280</p> <p>SKU - #2 : Storage SKU - (2) NVME / SATA3 M.2 2280 (2) 2.5" U.2 SSD</p>	Operating Environment	<p>Operating temperature: -5°C to 55°C</p> <p>Non-operating temperature: -40°C to 70°C</p> <p>Operating relative humidity: 5% to 85%RH</p> <p>Non-operating relative humidity: 10% to 95%RH</p>
Memory	<p>Total Slots: 8</p> <p>Capacity: Up to 512GB of memory for RDIMM/LRDIMM</p> <p>Memory Type: 2933 MHz DDR4 RDIMM/LRDIMM 3200 MHz DDR4 RDIMM/LRDIMM</p> <p>Memory Size: 16G, 32G, 64G, 128G RDIMM/LRDIMM</p>	TPM	SPI 2.0
Expansion Slot	<p>SKU - #1 : Expansion SKU:</p> <p>(1) FHFL PCIe Gen4 x16 (2) FHFL PCIe Gen4 x16</p> <p>SKU - #2 : Storage SKU:</p> <p>(2) FHFL PCIe Gen4 x16</p>	Weight (Max. Configuration)	10 KG
Front I/O	<p>(2) USB 3.0 type-A ports (1) VGA (via RunBMC AST2500) (2) HDD LED on each HDD tray (ACT & LOC/ERR LED) (1) ID Button/ LED (1) Power Button/ LED (1) PFR Status LED (1) Status LED (1) RJ45 Management Port (2) LAN Ports 1GbE RJ45 (4) 25GbE SFP28 (1) Micro SD (1) COM port for serial port (micro-USB Type-B)</p>		



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 © 2023 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.