QuantaEdge EGX74I-1U

1U1N Carrier-Grade Edge Server Ultra Short Depth Rackmount Server

- **Intel 4th Gen Intel® Xeon® Scalable Processors w/ Intel® vRAN Boost**
- **Ultra 400mm Short Depth, + cabling < 450mm**
- **3x PCIe Expansions**
- **GR63 Level 3 -5~+55 ° C**
- **GR3108 Class 2 -40~+65 ° C**
- **Power Efficiency (smart fan control, power redundancy)**

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
4th Gen Intel® Xeon®
Scalable Processors

Delivering Next Tier Computational Performance, Acceleration, Bandwidth, and Connectivity

The growing prevalence of Open RAN has enabled numerous innovations in the space of wireless connectivity, driving service and supply chain diversity as the disaggregation of radio access networks facilitates the implementation of open interfaces.

QCT is dedicated to accelerating Open RAN deployments to reach the economies of scale. QCT offered a series of QuantaEdge servers with Intel's latest Xeon Scalable processors for efficiency improvement and the workload performance optimization on 5G network transformation Journey with Intel.
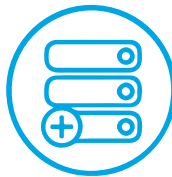
QuantaEdge EGX74I-1U is a short-depth, low power consumption, highly expandable Multi-Access Edge Computing server featuring the 4th Gen Intel Xeon Scalable Processor and up to 512GB of memory for centralized and distributed Radio Access Networks that are ORAN, TIP, and NEBS GR63 Level 3 and GR3108 Class 2 compliant for 5G services.

Open RAN Centric Design	Environmentally Robust	Pre-integrated & Pre-optimized
Featuring flexible expansion slot designs and numerous CPU options, QCT's DU/CU servers deliver best-fit capacity and performance for Open RAN scenarios.	NEBS compliant and environmentally robust, QCT's telco servers are designed with a wide range of operating temperatures in mind to meet rigid environmental requirements of telecom solutions.	QCT's telco servers are pre-integrated and pre-optimized to meet the interoperability and flexibility needs of open RAN solutions.

Expansion SKU

Storages	On-board LAN	PCIe Expansions
2x SATA/NVMe M.2 2280	4x 25 GbE SFP28 ports (NCSI) 1x GbE RJ45 management port	2x FH3/4L PCIe Gen 5*16 1x FHHL PCIe Gen 5*16

Storage SKU

Storages	On-board LAN	PCIe Expansions
2x SATA/NVMe M.2 2280 2x 2.5" U.2 SSD	4x 25 GbE SFP28 ports (NCSI) 1x GbE RJ45 management port	2x FH3/4L PCIe Gen 5*16

Easy Management with Orqestra

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

QuantaEdge EGX74I-1U Specifications

Processor	**Processor Family:** Intel®Xeon® Processor Scalable Family
	Processor Type: Intel®Xeon® Processor Scalable Family
	Max. TDP Support: Up to 250W for Intel Sapphire Rapids-SP MCC, 215W for Sapphire Rapids-EE MCC
	Number of Processors: 1 Processor
Form Factor	1U
Dimensions	**W x H x D (inch):** 17.6 x 1.7 x 16.5
	W x H x D (mm): 447.8 x 42.8 x 400
Storage	*SKU - #1 :* **Expansion SKU** - (2) NVME / SATA3 M.2 2280
	SKU - #2 : **Storage SKU** - (2) NVME / SATA3 M.2 2280 (2) 2.5" U.2 SSD
Memory	**Total Slots:** 8
	Capacity: Up to 512GB of memory for RDIMM
	Memory Type: 4800 MHz DDR5 RDIMM
	Memory Size: 16G, 32G, 64G RDIMM
Expansion Slot	*SKU - #1 :* **Expansion SKU:** (1) FHHL PCIe Gen5 x16 (2) FH3/4L PCIe Gen5 x16
	SKU - #2 : **Storage SKU:** (2) FH3/4L PCIe Gen5 x16
Front I/O	(1) Power button/ LED (1) ID LED (1) Status LED/Heater LED (1) HDD LED on HDD tray (2) USB3.0 Type A ports (1) PFR LED (1) VGA port from BMC (4) 25GbE SFP28 LOM (1G supporting depends on transceiver module) (1) 1GbE RJ45 port, dedicated management (1) micro-USB type-B port (COM port)

Power Supply	1200W AC/DC single/redundant PSUs
Fan	(8) 40x28mm Single Rotors Hot-swappable Fan
System Management	IPMI v2.0 Compliance, Redfish v1.11 Compliance QCT Orquestra (Optional)
Operating Environment	**Operating temperature:** -5°C to 55°C；-40 to 65° C (optional)
	Non-operating temperature: -40°C to 70°C
	Operating relative humidity: 5% to 85%RH
	Non-operating relative humidity: 10% to 95%RH
TPM	SPI 2.0
Weight (Max. Configuration)	20 KG

Contact Us   **www.QCT.io**