Learn more: https://go.qct.io/telco/
Powered by Intel® Technology.

TELCO

PRODUCT PORTFOLIO

IT

AI

5G

Cloud

Headquarters/Locations

QCT is headquartered in Taoyuan, Taiwan, with two offices in the United States (San Jose, CA; Seattle, WA); two in China (Beijing and Hangzhou); one in Germany (Düsseldorf); one in Korea (Seoul); one in Japan (Tokyo); and one in Singapore.

President/Leadership

Mike Yang is the president of QCT and senior vice president and general manager of the cloud business unit of Quanta Computer Inc.

Employees

QCT has employees worldwide, including engineers, architects, sales & marketing, business development, and service personnel.

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.

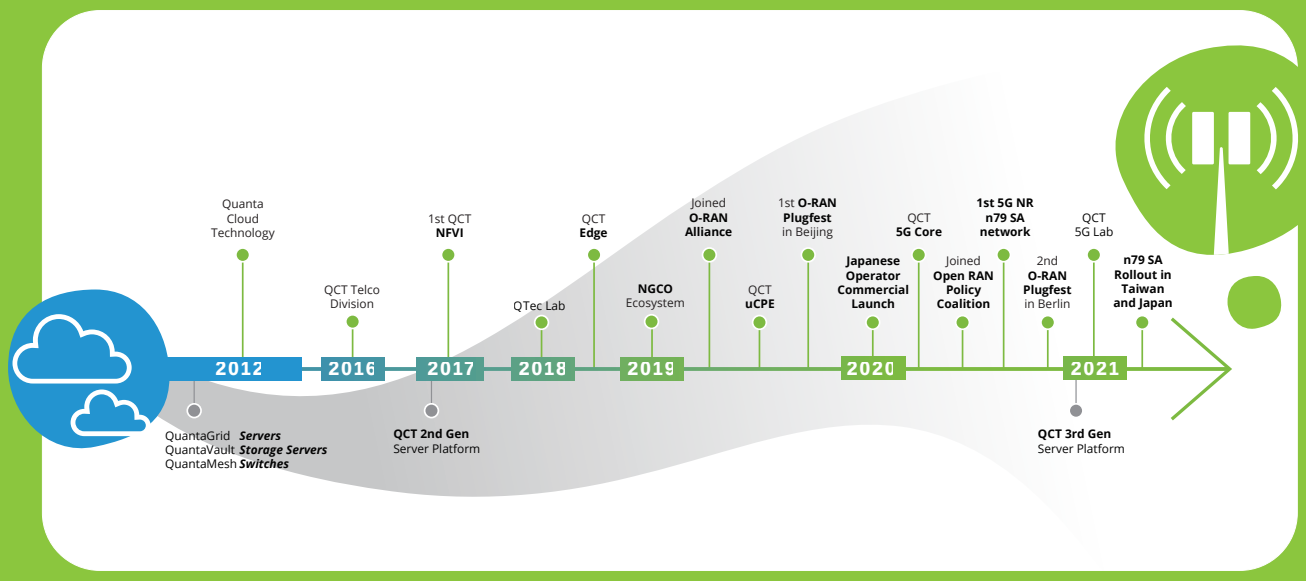
Quanta has been recognized as one of the Clarivate Top 100 Global Innovators. Clarivate Analytics is a Philadelphia-based global information solutions provider whose focus is on intellectual property and the sciences. Quanta and QCT's commitment to innovation has resulted in hundreds of patents filed in cloud computing since 2014. Quanta's patent success rate and global reach were identified as outstanding, marking the recognition in consecutive years since 2018. Quanta has also been named among Fortune Magazine's World's Most Admired Companies 2021.

THE WORLD'S MOST ADMIRED COMPANIES

TOP 100 GLOBAL INNOVATOR

Clarivate Analytics

QCT Telco Cloud Journey



Learn more: https://go.qct.io/telco/

Telco Infrastructure Solution

QCT offers 5G end-to-end solutions spanning from data center, core network, access network deployment, to on-premise applications, as well as full-spectrum off-the-shelf hardware including storage, NFVI, DU/CU servers and uCPE, to drive fundamental changes in the way telco operators plan, deploy, and manage their infrastructure with greater flexibility, scalability and cost-effectiveness.



Architecture from Data Center (Core) to Edge (RAN) with Ecosystem

IronInfra Solutions for Public Network

IronBox: flexiWAN

IronEdge: Open RAN Policy Coalition, O-RAN Alliance, Telecom Infra Project

IronCloud: Red Hat, ROBIN, WINDRIVER

End-to-End Virtualization: ROBIN, Red Hat, WINDRIVER, vmware, openstack, kubernetes

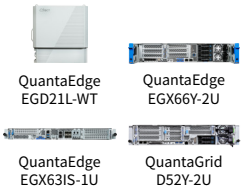
uCPE



QuantaEdge EGT23D-DT

Module, Wifi, 4G LTE, 5G

Edge Server



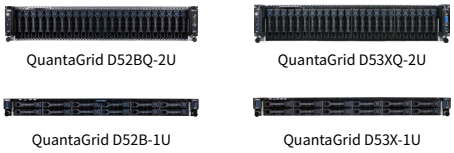
QuantaEdge EGD21L-WT

QuantaEdge EGX66Y-2U

QuantaEdge EGX63IS-1U

QuantaGrid D52Y-2U

NFV / Cloud-Native Infrastructure



QuantaGrid D52BQ-2U

QuantaGrid D53XQ-2U

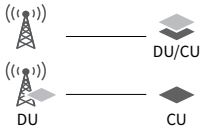
QuantaGrid D52B-1U

QuantaGrid D53X-1U

On-Premise



Access / Edge



Access Network

Core



Core Network

Cloud



Data Center

OmniPOD Solutions for Private Network

End-to-End Integration and Validation

OmniView (OAM)

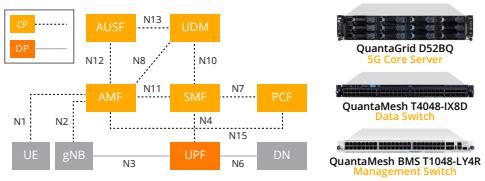


OmniRAN (5G RAN)



Layer 3	SDAP / RRC
Layer 2	PDCP / MAC / RLC
Layer 1	High-PHY / Low-PHY

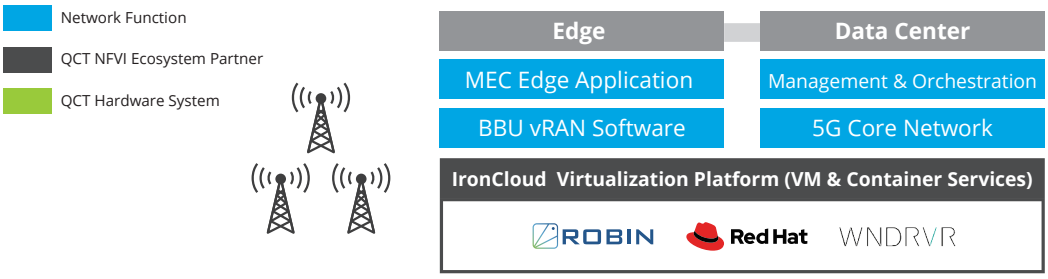
OmniCore (5G CN)



IronCloud- NFV Infrastructure Platform from Data Center to Edge

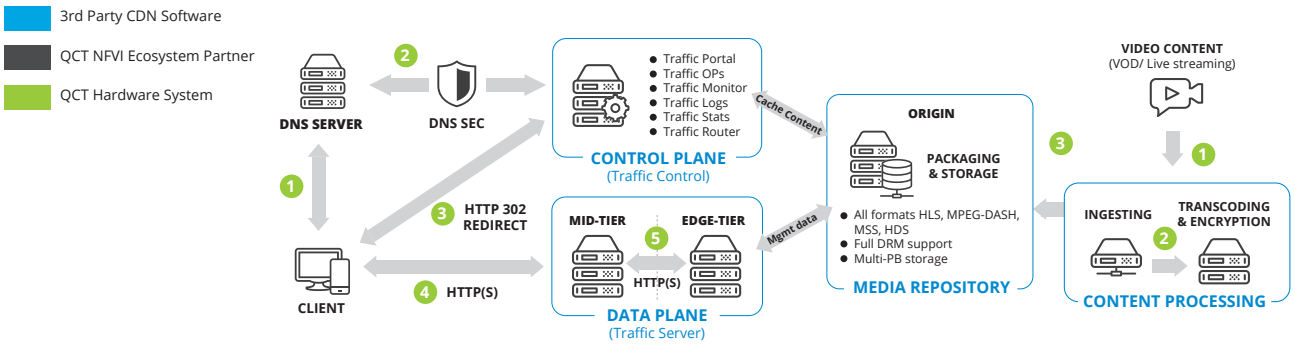
IronCloud is QCT's Network Function Virtualization Infrastructure (NFVI) product line for telecom operators. Under strong partnership and collaboration with NFV ecosystem partners including Robin.io, Red Hat, and Wind River, QCT IronCloud is built to decouple numerous functions, such as 4G EPC, 5G Core, BBU vRAN software, Content-Delivery Network (CDN) and Multi-Access Edge Computing Service (MEC), from dedicated hardware, and allows easy migration from legacy network infrastructure to virtual machines (VM) and containers, reducing operators' costs and accelerating service deployment.

Telco Network Function Virtualization Infrastructure (NFVI)



	QCT Edge Server	QCT Data Center Server
Server Characteristics	High performance server that offers low latency and high throughput	High performance server with multiple NICs to offer high throughput along with data disks for hyper-converged or disaggregated architecture
Hardware Requirement	• Short depth, low power consumption, high expandability • Single/ Dual sockets • NEBS Level 3	• NUMA-balanced design • Large amount of PCIe expansion slots and disk slots • Enhanced platform awareness • Security
QCT Servers	**Intel 2nd Gen Platform:** D52Y-2U, D52BE-2U **Intel 3rd Gen Platform:** EGX63IS-1U, EGX66Y-2U	**Intel 2nd Gen Platform:** D52B-1U, D52BQ-2U **Intel 3rd Gen Platform:** D53X-1U, D53XQ-2U

Cloud Platform for Content Deliver Network (CDN)



	Traffic Control Server	Edge- Tier Server	Mid-Tier Server	Origin Server	Content processing Server
Server Characteristics	High performance server with multiple NIC offering low latency and HA.	High performance server offering low latency and high throughput.	Large storage and memory supporting media content cache.	Large storage supporting huge media content.	High performance server with fast content processing and data encryption.
Hardware Requirement	All-flash SSD/ NVMe + Optane/ AEP	All-flash SSD/ NVMe + Optane/ AEP	Big box: 3.5" HDDs + SSD/ NVMe	Big box: 3.5" HDDs	QAT, VCA2
QCT Servers	**D53X-1U (All-flash SKU)** **D52B-1U (All-flash SKU)**	**D53XQ-2U (All-flash SKU)** **D52BQ-2U (All-flash SKU)**	**D53XQ-2U (Hybrid SKU)** **D52BQ-2U (Hybrid SKU)**	**D53XQ-2U (3.5")** **D52BQ-2U (3.5")**	**D53XQ-2U** **D52BQ-2U**

Learn more: https://go.qct.io/telco/

IronCloud- NFVI Cloud Ready

Open & Flexible

Under the scope of NFV architecture defined by ETSI, IronCloud is an open and standardized NFVI platform that supports various NFV use cases.

Integration & Optimization

IronCloud is a turnkey solution built on pre-qualified, pre-validated QCT hardware and integrated with Robin.io, Wind River, and Red Hat software. It can

- Shorten time-to-market
- Offload engineering burden

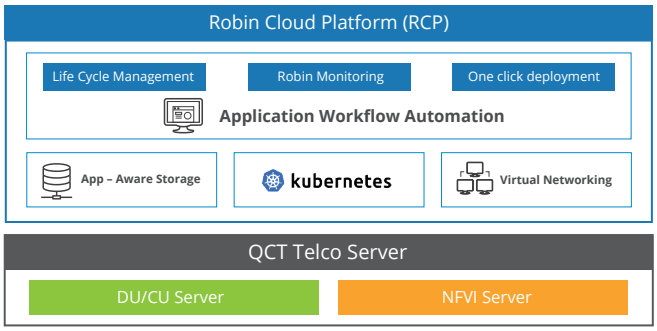
Enhanced Platform Awareness (EPA) Design

IronCloud adopts EPA designs and fully takes advantage of QCT NUMA-balanced systems to improve network performance.

IronCloud- Robin Cloud-Native Platform

ROBIN

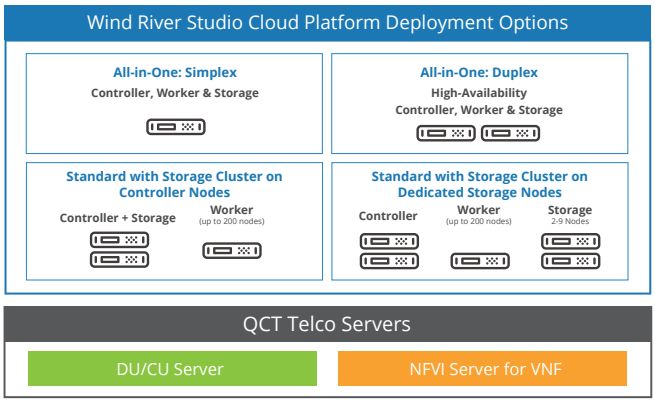
- Cloud-native end-to-end orchestration with automated service delivery
- Application-aware infrastructure with QCT NUMA-balanced hardware
- Optimized QCT hardware with an elastic and agile application platform



IronCloud- Wind River Studio Cloud Platform

WNDRVR

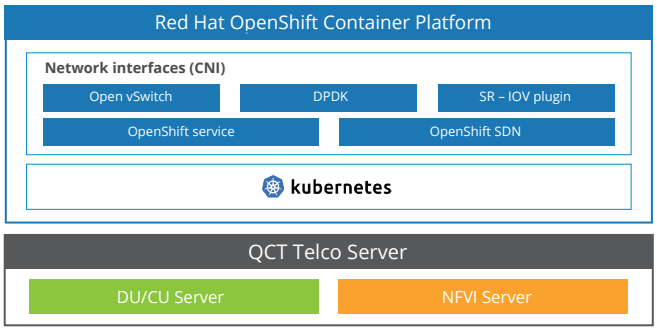
- Pre-validated solution on top of QCT's optimized servers for telco operators
- Carrier-grade networking
- Supports small-footprint, single-node deployment for edge environments



IronCloud- Red Hat OpenShift Platform

Red Hat

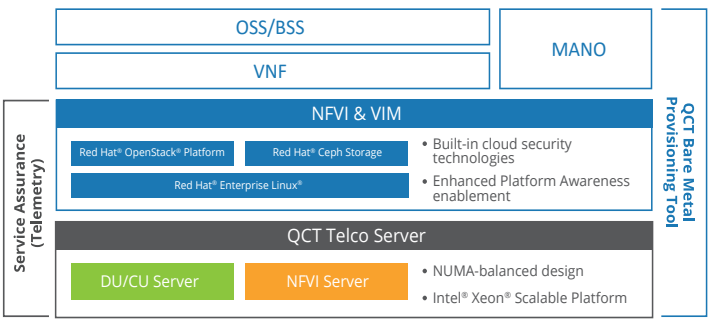
- Hybrid cloud platform with management and auto-scaling flexibility
- Scalable, secure, and enterprise-grade application platform
- Optimized cloud-native platform on QCT Telco Server



IronCloud- Red Hat OpenStack Platform

Red Hat

- Provides reliable virtualization computing cloud platform with QCT's optimized servers
- Achieves optimal network performance via an enhanced platform awareness (EPA) design
- Has built-in cloud security technologies such as SELinux to prevent intrusions and protect data



IronCloud- Server Lists

Data Center

3rd Gen Intel® Xeon® Scalable Platform with PCIe 4.0





QuantaGrid D53X-1U			
SKU	**All Flash SKU**	**SFF Tiered SKU**	**Hybrid SKU**
Processor	(2) 3rd Gen Intel® Xeon® Scalable Processors Family, up to 270W		
Chipset	Intel® C621A		
Memory	Up to 8TB RDIMM/LRDIMM (32) 3200 MHz DDR4 RDIMM/LRDIMM		
Storage	(12) 2.5" hot-plug SATA/NVMe drives	(4) 2.5" hot-plug SATA/SAS drives (8) 2.5" hot-plug NVMe/SATA/SAS drives	(4) 3.5"/2.5" hot-plug SATA/SAS drives + (4) 7mm NVMe/SATA/SAS drives (optional)
Network Controller	(1) OCP 3.0 mezzanine SFF (1) Dedicated 1 GbE management port		
Expansion Slot	**Option 1 (3 PCIe/HHHL Slots):** (1) PCIe Gen4 x8 SAS mezzanine slot (1) PCIe Gen4 x8 OCP 3.0 mezz SFF slot (3) PCIe Gen4 x16 HHHL (ex- GPU T4)[1]	**Option 2 (2 PCIe/FHHL Slots):** (1) PCIe Gen4 x8 SAS mezzanine slot (1) PCIe Gen4 x8 OCP 3.0 mezz SFF slot (2) PCIe Gen4 x16 HHHL (ex- GPU T4)[1]	
Form Factor	1U Rackmount		
Dimensions	(W) 440mm x (H) 43.2mm x (D) 780mm		
Operating Temperature	5°C to 40°C		

Note 1: GPU T4 support with limitations





QuantaGrid D53XQ-2U				
SKU	**3.5" Tiered**	**2.5" Expander**	**2.5" Pass Through**	**2.5" All Flash**
Processor	(2) 3rd Gen Intel® Xeon® Scalable Processors Family, up to 270W			
Chipset	Intel® C621A			
Memory	Up to 12TB memory capacity with (32) DDR4 DIMM slots and Intel PMEM 200 Series, supporting 3200 MHz			
UPI	2 UPI			
Storage	**Front :** (12) 3.5" SATA/SAS drives including (8) NVMe slot **Optional Rear :** (2) 2.5" SATA/SAS/NVMe drives	**Front :** (24) 2.5" SATA/SAS drives including (8) NVMe slot **Optional Rear :** (2) 2.5" SATA/SAS/NVMe drives	**Front :** (16) 2.5" SATA/SAS drives + (8) NVMe SSD **Optional Rear :** (2) 2.5" NVMe SSD	**Front :** (24) NVMe SSD **Optional Rear :** (2) NVMe SSD
Network Controller	(1) 1 GbE dedicated management port			
Expansion Slot	**Option 1** (2) FHHL PCIe 4.0 x16 slots + (4) FHHL PCIe 4.0 x8 slots Optional (2) HHHL PCIe 4.0 x16 slots	**Option 2** (2) FHFL PCIe 4.0 x16 slots (Support dual width GPUs) (2) FHHL PCIe 4.0 x16 slots Optional (2) HHHL PCIe 4.0 x16 slots	**Option 3** (4) FHFL PCIe 4.0 x16 slots (support single width GPUs) Optional (2) HHHL PCIe 4.0 x16 slots	
Form Factor	2U Rackmount			
Dimensions	(W) 440mm x (H) 87.5mm x (D) 780mm			
Operating Temperature	5°C to 35°C			

QuantaEdge EGX63IS-1U

400mm Ultra Short Depth with 3rd Gen Intel® Xeon® Scalable Processors. This model supports flexible expansion slots, wide operation temperature and system validated with Open RAN accelerators and NIC card.



Form Factor	CPU Number	Memory Number
1U	1	8

Processor	3rd Gen Intel® Xeon® Scalable Processors Family, up to 205W	
Memory	(8) 3200 MHz DDR4 RDIMM / LRDIMM up to 512GB	
Storage	(2) NVME / SATA3 M.2 2280 (2) 2.5" SATA3 SSD (optional)	
Network Controller	(4) 25GbE SFP28 with Intel® E810 LoM (2) 1 GbE RJ45 with Intel® I210 LoM (1) 1 GbE RJ45 dedicated management port	
Expansion Slot	**Storage SKU** (2) 2.5" SATA3 SSD (2) FHFL PCIe Gen4 x16	**Expansion SKU** (1) FHHL PCIe Gen4 x16 (2) FHFL PCIe Gen4 x16
Form Factor	1U Rackmount	
Dimensions	(W) 447.8mm x (H) 42.8mm x (D) 400mm	
Operating Temperature	-5°C to 55°C	

QuantaEdge EGX66Y-2U

Support 400mm ultra short depth. Flexible expansion slot validated FPGA Accelerator and GPU cards. It can perform Open RAN server as well as the MEC Server.



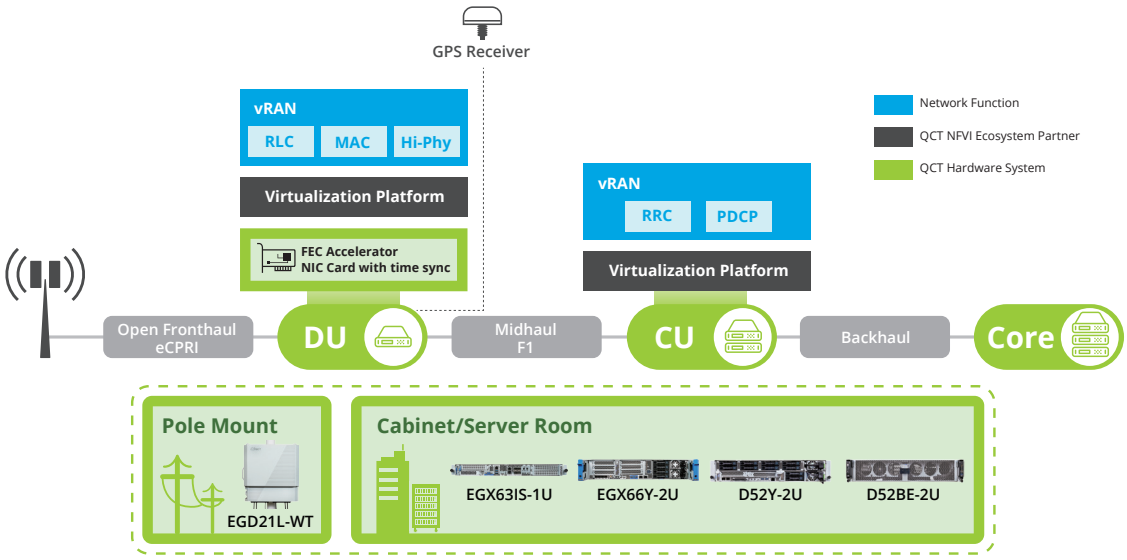
Form Factor	CPU Number	Memory Number
2U	2	16

Processor	(2) 3rd Gen Intel® Xeon® Scalable Processors Family, up to 225W	
Memory	(16) 3200 MHz DDR4 RDIMM / LRDIMM up to 2TB	
Storage	(2) NVMe/SATA3 M.2 2280/22110 (4) 2.5" NVMe / SAS / SATA3 SSD* (1) Internal RAID card (optional)	
Network Controller	(4) 25GbE SFP28 with Intel® E810 LoM (1) 1 GbE RJ45 with Intel® I210 LoM (1) 1 GbE RJ45 dedicated management port	
Expansion Slot	**GPU SKU** (2) FH3/4L Dual Width PCIe Gen4 x16** (2) FHHL PCIe Gen4 x16	**6 Expansion SKU** (4) FH3/4L PCIe Gen4 x16** (1) FHHL PCIe Gen4 x16 (1) FHHL PCIe Gen4 x8
Form Factor	2U Rackmount	
Dimensions	(W) 447.8mm x (H) 86.3mm x (D) 400mm	
Operating Temperature	-5°C to 55°C	

* *Note : Supports up to 6 NVMe/SATA3 SSD*
** *Note : (FH3/4L) supports 266.7mm length GPU*

IronEdge- CU/DU Server for Open RAN

Open RAN transforms the architecture of mobile network by bringing cloud, AI and machine learning into the radio access network, optimize the management, bring unlimited possibility to synergy with new applications and eventually construct 5G world. IronEdge is the product line QCT build for supporting the Open RAN in different scenarios, including Centralized RAN and Distributed RAN. The server design supports the capacity required by vRAN workloads with O-RAN function split option 7-2, time synchronization, virtualization. In addition, the server leaves flexibility for future expansion including MEC application. All these key features make QCT IronEdge series perfect for Open RAN.



Open RAN centric COTS Design

- Optimized Expansion Slots for maximum I/O ports
- System Validated with Accelerator and NIC card with time synchronization function
- System Validated with latest selected Intel CPU
- <450mm short depth fitting Telco cabinet
- Lower power consumption

Integration and Optimization

- Workload optimized Intel Select vRAN Configuration

Environmental Robust

- Wide Operation Temperature Range
- System comply with NEBS Level 3
- MTBF 100,000 hours

Management

- Support Redfish v1.8
- Customized BMC and BIOS Setup supports Virtualized Platform and Open RAN Requirement
- Technology of failure precautious

Community Involvement

Open RAN POLICY COALITION

O-RAN ALLIANCE

TELECOM INFRA PROJECT

IronEdge- CU/DU Server for Open RAN

Indoor Server

3rd Gen Intel® Xeon® Scalable Platform with PCIe 4.0

QuantaEdge EGX63IS-1U

400mm Ultra Short Depth with 3rd Gen Intel® Xeon® Scalable Processors. This model supports flexible expansion slots, wide operation temperature and system validated with Open RAN accelerators and NIC card.



Form Factor	CPU Number	Memory Number
1U	1	8

Processor	3rd Gen Intel® Xeon® Scalable Processors Family, up to 205W	
Memory	(8) 3200 MHz DDR4 RDIMM / LRDIMM up to 512GB	
Storage	(2) NVME / SATA3 M.2 2280 (2) 2.5" SATA3 SSD (optional)	
Network Controller	(4) 25GbE SFP28 with Intel® E810 LoM (2) 1 GbE RJ45 with Intel® I210 LoM (1) 1 GbE RJ45 dedicated management port	
Expansion Slot	**Storage SKU** (2) 2.5" SATA3 SSD (2) FHFL PCIE Gen4 x16	**Expansion SKU** (1) FHHL PCIe Gen4 x16 (2) FHFL PCIE Gen4 x16
Form Factor	1U Rackmount	
Dimensions	(W) 447.8mm x (H) 42.8mm x (D) 400mm	
Operating Temperature	-5°C to 55°C	

QuantaEdge EGX66Y-2U

Support 400mm ultra short depth. Flexible expansion slot validated FPGA Accelerator and GPU cards. It can perform Open RAN server as well as the MEC Server.



Form Factor	CPU Number	Memory Number
2U	2	16

Processor	(2) 3rd Gen Intel® Xeon® Scalable Processors Family, up to 225W	
Memory	(16) 3200 MHz DDR4 RDIMM / LRDIMM up to 2TB	
Storage	(2) NVMe/SATA3 M.2 2280/22110 (4) 2.5" NVMe / SAS / SATA3 SSD* (1) Internal RAID card (optional)	
Network Controller	(4) 25GbE SFP28 with Intel® E810 LoM (1) 1 GbE RJ45 with Intel® I210 LoM (1) 1 GbE RJ45 dedicated management port	
Expansion Slot	**GPU SKU** (2) FH3/4L Dual Width PCIe Gen4 x16** (2) FHHL PCIe Gen4 x16	**6 Expansion SKU** (4) FH3/4L PCIe Gen4 x16** (1) FHHL PCIe Gen4 x16 (1) FHHL PCIe Gen4 x8
Form Factor	2U Rackmount	
Dimensions	(W) 447.8mm x (H) 86.3mm x (D) 400mm	
Operating Temperature	-5°C to 55°C	

* *Note : Supports up to 6 NVMe/SATA3 SSD*
** *Note : (FH3/4L) supports 266.7mm length GPU*

Indoor Server

2nd Gen Intel® Xeon® Scalable Platform with PCIe 3.0

QuantaGrid D52Y-2U

420mm Ultra Short Depth and NUMA-balanced design with 2nd Gen Intel® Xeon® Scalable Processors. The expansion slot offers flexibility for building RAN and MEC services.



Form Factor	CPU Number	Memory Number
2U	2	16

SKU	PCIe SKU	Storage SKU
Processor	(2) Intel® Xeon® Scalable Processors Family	
Chipset	Intel® C621/C624	
Memory	(16) 2933MHz DDR4 RDIMM/LRDIMM per node	
Storage	(2) 2.5" hot-plug NVMe/SATA/SAS drives	(10) 2.5" hot-plug NVMe/SATA/SAS drives
Network Controller	(1) 1 GbE dedicated management port	
Expansion Slot	(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	(1) FHHL PCIe Gen3x16 **[CPU1]** (1) FHHL PCIe Gen3x16 or (1) SAS Mezz adapter
Form Factor	2U Rackmount	
Dimensions	(W) 447.8mm x (H) 86.3mm x (D) 420mm	
Operating Temperature	5°C to 40°C	

QuantaGrid D52BE-2U

D52BE-2U supports shorter chassis for deployment in limited spaces. It's NUMA-balanced design perfectly for implement workload require lower latency. The server is qualified by NEBS, suitable to operate in Telco environment



Form Factor	CPU Number	Memory Number
2U	2	24

Processor	(2) Intel® Xeon® Scalable Processors, up to 205W
Chipset	Intel® C621/C624
Memory	Up to 3TB RDIMM/LRDIMM (24) 2666 MHz DDR4 RDIMM/LRDIMM
UPI	3 UPI
Storage	**Front Storage :** No Front Storage **Rear Storage :** (2) 2.5" hot-plug
Network Controller	(1) OCP 2.0 mezzanine or PHY card (1) 1 GbE dedicated management port
Expansion Slot	(1) PCIe Gen3 x8 SAS mezzanine slot (1) PCIe Gen3 x8 OCP 2.0 mezzanine slot or PHY card (1) PCIe Gen3 x16 FHHL or (2) PCIe Gen3 x8 FHHL (1) PCIe Gen3 x16 FHHL (2) PCIe Gen3 x16 HHHL (2) 22110/2280 SATA M.2 slots
Form Factor	2U Rackmount
Dimensions	(W) 447mm x (H) 87.5mm x (D) 579mm
Operating Temperature	5°C to 40°C

Outdoor Server

2nd Gen Intel® Xeon® Scalable Platform with PCIe 3.0

QuantaEdge EGD21L-WT



EGD21L-WT is outdoor server that supports IP67 with fanless design. This server is easy to be installed with less than 20kg weight. The server perfectly for severe Telco environment.

CPU Number	Memory Number
1	1

Processor	Intel® Xeon® Processor D-2100 Series, up to 110W
Memory	32GB ECC DDR4 on board
Storage	(2) NVME / SATA3 M.2 2280
Network Controller	(4) 10GbE SFP+ (1) 1 GbE RJ45 with Intel® I210 LoM (1) 1 GbE RJ45 dedicated management port
Expansion Slot	(2) PCIe Gen3 x16 FH3/4L
Form Factor	Pole Mount / Wall Mount Type
Dimensions	(W) 415mm x (H) 450mm x (D) 180mm
Operating temperature	-40°C to 55°C

Learn more: https://go.qct.io/telco/

IronBox uCPE

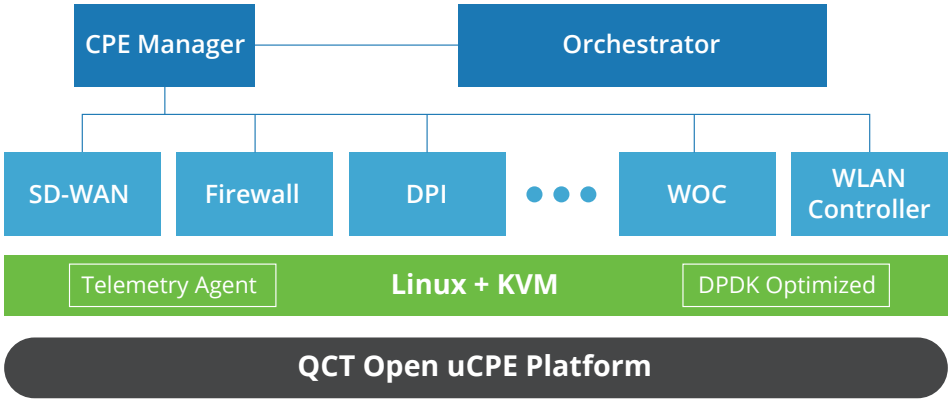
flexiWAN Certified SD-WAN Solution

EGT23D-DT 2 / 4 / 8 / 12-Core
uCPE with Intel Atom® C3000 SoC

Connectivity: WAN, LAN, Wireless and LTE/5G
Fanless Design: Noiseless for office environment

IronBox uCPE with flexiwan SD-WAN Solution reduces Multi-Protocol Label Switching (MPLS) usage and creates a dedicated line between branches and headquarter for network communication.

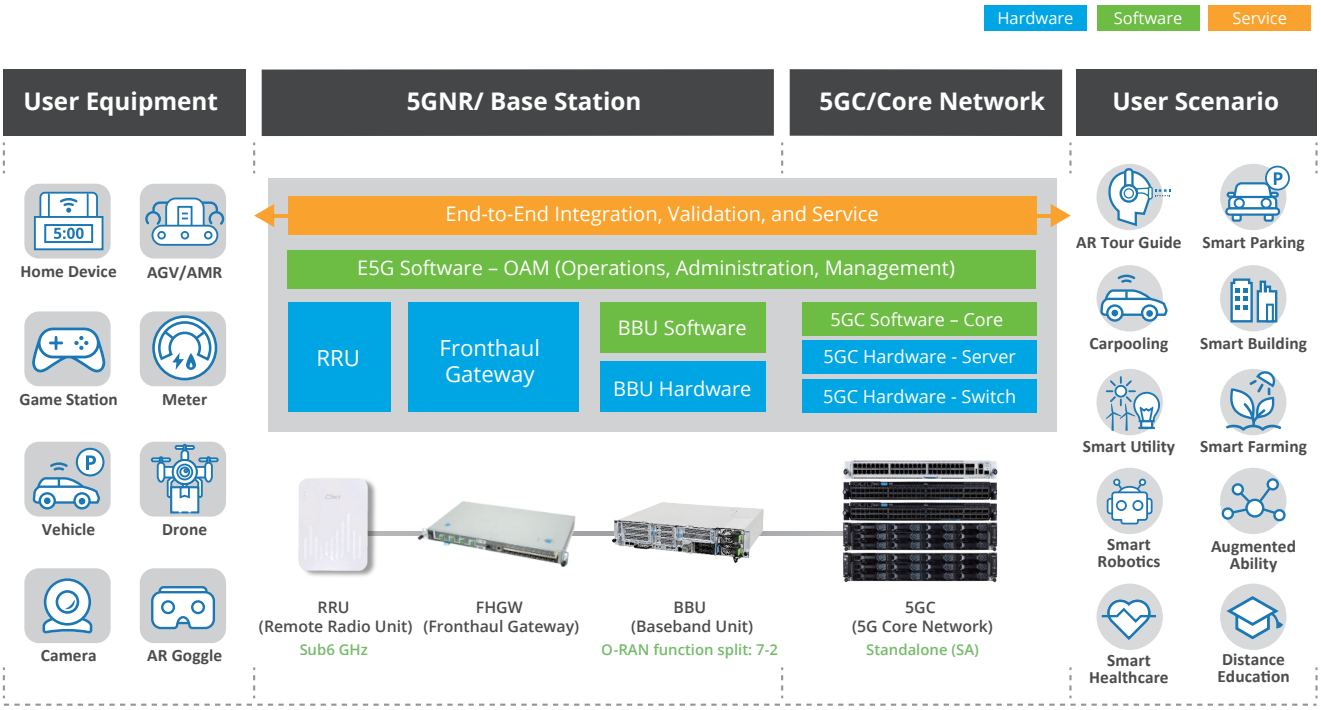




QuantaEdge EGT23D-DT	
Processor	Intel Atom® Processor C3000 Series, up to 25W
Memory	(1) 2400MHz DDR4 SO-DIMM ECC / non ECC up to 32GB
Storage	(1) 16GB eMMC (1) SATA3 2.5" SSD
Network Controller	(2) 1 GbE RJ45 with Intel® I210 LoM (4) 1 GbE RJ45 with Marvell 88E1543 LoM (1 pair bypass optional) (1) 1 GbE RJ45 console port
Expansion Slot	(1) Mini-PCIe for Wi-Fi (1) M.2 B Key for LTE/5G
Form Factor	Tabletop
Dimensions	(W) 270mm x (H) 46mm x (D) 180mm
Operating Temperature	0°C to 45°C

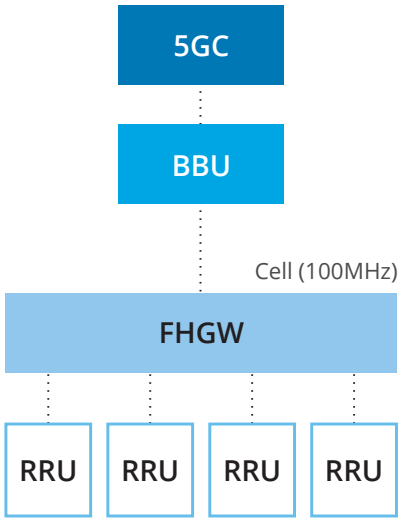
QCT OmniPOD Enterprise 5G Solution

QCT OmniPOD Enterprise 5G consists of three essential components: OmniCore (5G Core), OmniRAN (5G RAN), and OmniView (OAM). It is an ideal solution for businesses looking to transition to standalone (SA) 5G Core and RAN networks, making possible a whole new range of 5G services from enhanced mobile broadband (eMBB), massive machine-type communication (mMTC), to ultra-reliable low latency (uRLLC).



QCT OmniPOD Enterprise 5G Coverage & Capacity

QCT OmniPOD Enterprise 5G is a standards-compliant (3GPP R15, O-RAN, TIP), enterprise-grade private 5G network solution, including a high-availability design for 5GC to address core network reliability demands and a flexible system configuration for RAN to fulfill diverse coverage and capacity requirements.



Design & Compliancy

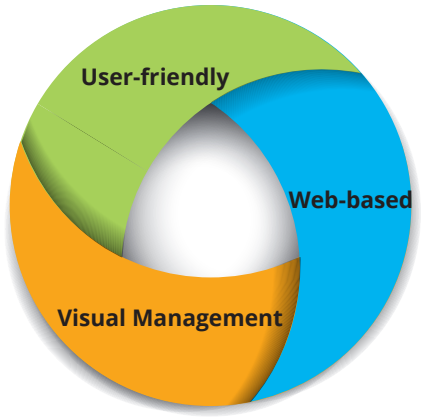
- 3GPP Release 15 compliant
- Standalone (SA) mode
- High Availability (HA) design
- Control & User Plane separation (CUPs)

Capacity & Features

- O-RAN 7-2 Function Split
- Sub6 GHz
- 1 BBU can support 1 FHGW cell with 100MHz 4x4 MIMO
- 1 BBU can connect to 4 RRUs via 1 FHGW
- Time synchronization: IEEE1588, GPS
- Flexible UL/DL adjustments
- RRU Ceiling Mount and Wall Mount options

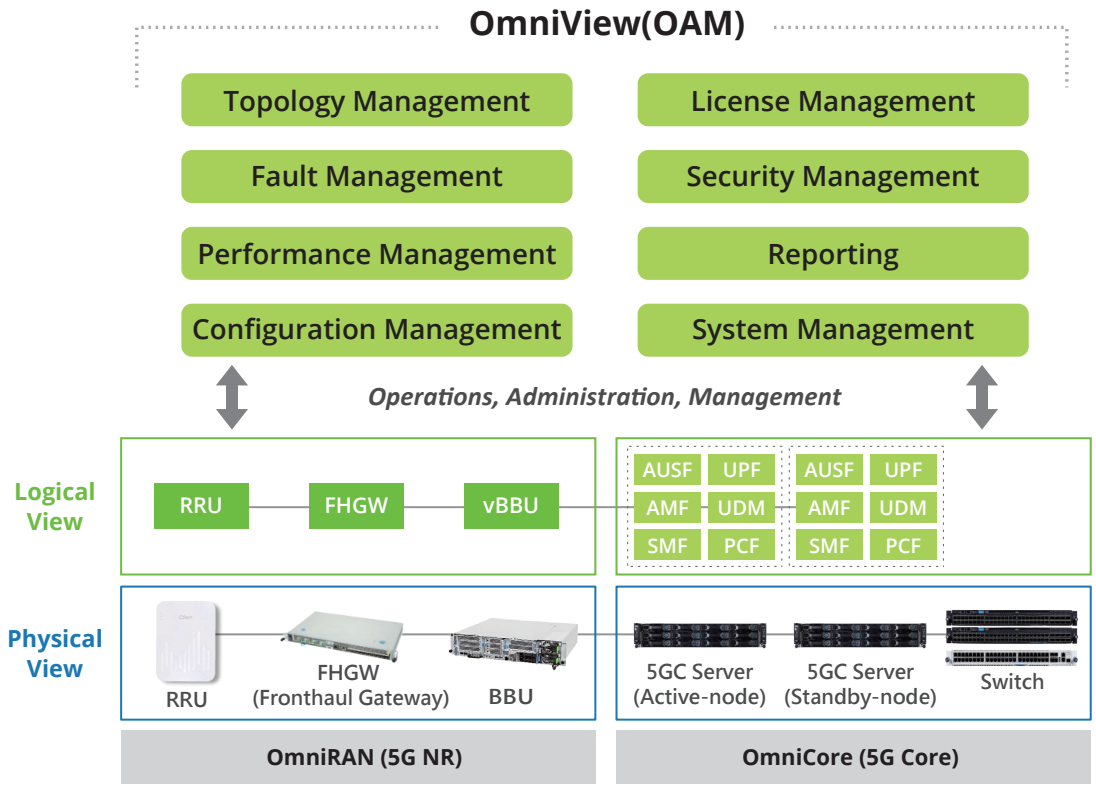
Learn more: https://go.qct.io/telco/

QCT OmniView Overview



QCT OmniView is a network management system for monitoring QCT OmniPOD hardware and software.

It serves as a pair of eyes overseeing the overall network system, providing 8 major functions with user-friendly, web-based, and visualized management.



QCT OmniView Dashboard at a Glance



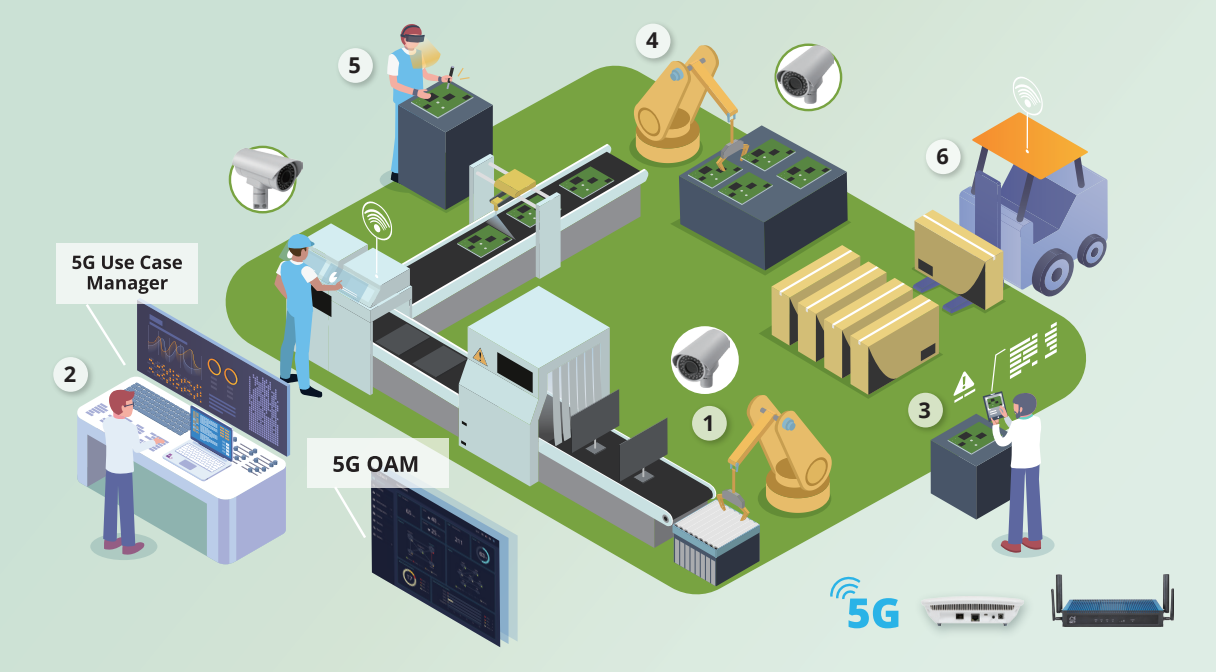
Dashboard displays the current performance indicators, topology status, and alarm overview.

Dashboard allows users to monitor, observe, and manage the network system in a quick, easy, and clear way.

Dashboard reduces the complexity and increases the efficiency of managing OmniView.

QCT Enterprise 5G PoC Use Case

With a comprehensive hardware portfolio and solution deployment know-how, QCT is taking the lead in helping enterprises capture the value of 5G private networks, unlocking a whole world of use cases for businesses to stay ahead of the game in this age of rapid digital transformation.

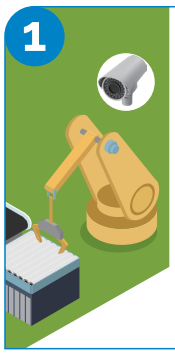


QCT helps customers realize smart factories with its Enterprise 5G solutions.

Taking advantage of the high bandwidth and low latency of 5G, QCT's Enterprise 5G solutions ensure the real-time transmission of large-scale data to meet varying customer demands.

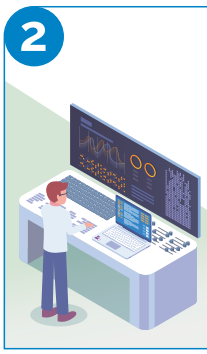
- ✓ **IoT**
- ✓ **Security**
- ✓ **Automation**
- ✓ **Quality Control**

QCT's Successful Smart Manufacturing Use Cases



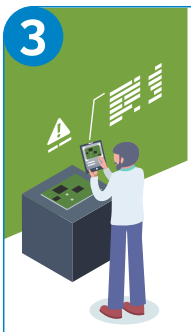
1 Safety AI

To ensure workplace safety and security, image recognition technology is used for real-time monitoring to detect noncompliance of safety regulations, generate automated alerts, and halt dangerous machinery when trespassing occurs; a safety AI dashboard is used for easy management.



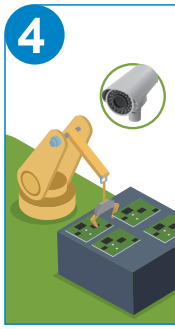
2 AR Information Visualization

To easily monitor the production line status at a glance, AR technology is used display production equipment operating and product assembly statuses in real time.



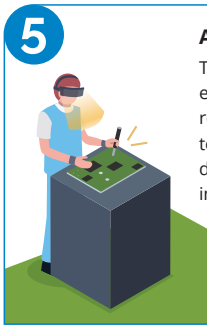
3 AR Identification

To lower the specialist background threshold required, image recognition and AR technology are used to display product model information and installation instructions.



4 Image Archiving

To provide control for future maintenance needs, high-resolution images of all products are recorded by industrial-grade cameras.



5 AR Repair

To improve maintenance efficiency, image recognition and AR technology are used to display fault and repair instructions.



6 AGV Transportation

Through the deployment of 5G signals throughout the factory, AGVs can be controlled by a central management system for parts and equipment transportation.

Learn more: https://go.qct.io/telco/

intel Powered by Intel® Technology.



United States
Quanta Cloud Technology USA LLC., Silicon Valley Office
1010 Rincon Circle, San Jose, CA 95131
TOLL-FREE: 1-855-QCT-MUST
TEL: +1-510-270-6111
FAX: +1-510 -270-6161
Support: +1-510-270-6216

Quanta Cloud Technology USA LLC., Seattle Office
13810 SE Eastgate Way, Suite 190, Building 1,
Bellevue, WA 98005
TEL: +1-425-633-1620
FAX: +1-425-633-1621

China
云达科技 , 北京办公室 (Quanta Cloud Technology)
北京市朝阳区东大桥路 12 号润诚中心 2 号楼
TEL: +86-10-5920-7600
FAX: +86-10-5981-7958

云达科技 , 杭州办公室 (Quanta Cloud Technology)
浙江省杭州市西湖区古墩路浙商财富中心 4 号楼 501 室
TEL: +86-571-2819-8650

Japan
Quanta Cloud Technology Japan 株式會社
東京都港区芝大門 2-5-8 芝大門牧田ビル 3F, 105-0012
TEL: +81-3-5777-0818
FAX: +81-3-5777-0819

Germany
Quanta Cloud Technology Germany GmbH
Hamborner Str. 55, 40472 Düsseldorf
TEL: +49-211-74077-300

Korea
QCT Korea, Inc. (주식회사 큐씨티코리아)
서울특별시 영등포구 의사당대로 97 교보증권빌딩 10 층 , 07327
TEL: +82-10-5397-1412
FAX: +82-2-6336-6710

Singapore
Quanta Cloud Technology Singapore Pte. Ltd.
8 Cross Street, #28-01 Manulife Tower, Singapore, 048424
TEL: +65-6850-7850

Taiwan/ Other Regions
雲達科技 (Quanta Cloud Technology)
桃園市龜山區文化二路 211 號 1 樓
1F, No. 211 Wenhua 2nd Rd., Guishan Dist.,
Taoyuan City 33377, Taiwan
TEL: +886-3-286-0707
FAX: +886-3-327-0001

Learn more about
QCT Telco Solution

© 2022 Quanta Computer Inc. All rights reserved. Specifications and figures are subject to change without prior notice. All other brand trademarks, logos, and names are the property of their respective owners. All campaign statements and product images contained herein are copyrighted and may not be reprinted and/or reproduced, in whole or in part without the written consent of Quanta Computer Inc.

QCT, the QCT logo, Rackgo, Quanta, and the Quanta logo are trademarks or registered trademarks of Quanta Computer Inc. QCT shall not be liable for technical or editorial errors or omissions contained herein.

Powered by
Intel® Technology.

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