**QCT Launches Next Generation Central Office Solutions**

**Cloud Enabler Extends its Footprint to Telco for Innovative 5G Infrastructure**

[**San Jose, California**] January 24, 2019 - Quanta Cloud Technology (QCT), a global data center solution provider, held its Next Generation Central Office (NGCO) solution launch with its partners at the QCT Solution Center in San Jose. This event brought together industry leaders like Intel, Red Hat**®**, Broadcom**®**, KGP, and best-in-class virtual network function (VNF) partners to reveal cutting-edge open infrastructure and optimized network function virtualization infrastructure (NFVI) platforms that enable the network transformation of traditional central offices at both the core networks and the edge to pave the way for 5G.

# Traditional central offices have difficulties offering the required computing power, agility, scalability, and speed to support new 5G services at a sustainable cost. Telco operators have long been looking for innovative performance-optimized infrastructures and platforms built with open technologies, disaggregated hardware/software, and a lower TCO to enable 5G applications and services. These are the key principles of QCT’s Next-Generation Central Office (NGCO) vision and is fully-aligned with Intel’s technology direction. Industry-leading NGCO’s built with QCT technology will deliver more immersive experiences at lower latencies, with more bandwidth, and with larger storage capacities. By leveraging their cloud computing expertise and experience, QCT is extending its industry footprint from Cloud Service Providers (CSP) to Telcos by creating an ecosystem that provides end-to-end solutions to expedite network transformation in central offices.

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# At the launch event with the theme "Enabling Network Transformation with QCT NGCO Solutions", QCT aims to play a critical role as an 5G ecosystem enabler to work with industry leading partners to drive fundamental changes in the way Telcos plan, deploy, and manage their infrastructure. QCT has spearheaded the integration efforts together with Intel by leveraging their best of breed edge to cloud CPU’s and bringing innovative NFVI and VNF technologies, products, and solutions to realize a truly software centric network infrastructure for next generation central offices, converging fixed-line and mobile networks in a unified platform.

# In addition to Intel, the additional market-leading innovative partners QCT has been working with showcased their solutions at the event:

# Access networking: Radisys and Baicells spoke on vRAN at the edge with pooled BBU

* Core networking: ASTRI and NetElastic presented 4G vEPC, 5G core, and vBNG with control and user plane separation (CUPS)
* For NFVI:
  + Red Hat demonstrated their widely adopted OpenStack platform
  + Netcope introduced VNF data plane acceleration with Intel FPGA.
* Network automation and management: Lumina introduced their SDN controller powered by OpenDaylight
* Verification: Spirent introduced their reliability testing and benchmarking capabilities
* Security: F5 presented a complete suite of solutions to secure every layer in the network and which scale along with the highest performance
* Use case: Qwilt, as a vCDN provider, shared their experiences with next generation networks

# On the hardware side: For NGCO architecture, QCT introduced D52B-1U and D52BQ-2U by using the Intel® Xeon® Scalable Processor. Also, QCT announced their latest QuantaGrid SD2H-1U and QuantaGrid SD2HQ-2U edged servers, both based on the Intel® Xeon® D processors, with flexible compute, networking, and storage modules, along with their new networking portfolio additions, the QuantaMesh T7080-IXA and QuantaMesh T9032-IX9, which are also based on the Intel**®** Xeon**®** D processor and Intel Atom**®** processors.

“QCT is proud to have developed 5G solutions with our ecosystem partners to transform a traditional central office to an open, and virtualized infrastructure,” said Mike Yang, President of QCT. “For the upcoming 5G era, QCT aims to expand our solution portfolio to Telco segments based on our strong footprint in the CSP space with proven server, storage, switch, and rack systems. With these NGCO solutions, Telco operators can enjoy innovations for their 5G applications with a faster time-to-market and lower TCO.”

QCT NGCO solutions are based on the following Intel products and technologies:

# DPDK with DDP (dynamic device personalization) profile in XXV710 NIC for offloading LTE GTP, PPPoE and QinQ packet classification to network controller.

# Intel® QuickAssist Technology (Intel® QAT) for improving VPN decryption and encryption performance by hardware acceleration technology.

“Intel sees NGCO as a strategic opportunity to transform the central offices into mini data centers. These mini data centers are capable of hosting both fixed and mobile networking and have the ability to run all sorts of new and enhanced 5G and edge services that require low latency, high bandwidth and greater levels of privacy.” said Dan Rodriguez, vice president of the Data Center Group and general manager of the Network Compute Division at Intel. “With 5G and Edge emerging while network transformation continues to ramp, Intel is collaborating with QCT to shift to the edge of the network and to enable the modernization of central offices with innovative Intel products and technologies.”

For the latest updates follow QCT on [Facebook](https://www.facebook.com/quantacloudtechnology), [Twitter](https://twitter.com/QuantaQCT) and [LinkedIn](https://www.linkedin.com/company/qct).

**About Quanta Cloud Technology (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 hyperconverged and software-defined data center solutions as well as servers, storage, switches and 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.

For more information, visit the QCT website at [www.QCT.io](https://www.qct.io/).