

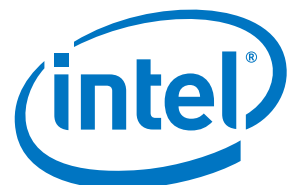


**QCT.**  
We're the **power**  
behind the magic of  
**cloud technology.**

# QCT Product Portfolio

Servers | Storage | Networking | Rack Systems | Solutions

Powered by Intel® Technology  
Found at: [www.QuantaQCT.com/wheretobuy](http://www.QuantaQCT.com/wheretobuy)





# Servers

QCT server product line is designed for cloud datacenters that look for the optimized capital and operational efficiency.

QCT 1U/2U/4U rack mount servers provide flexible choices of Intel microprocessor systems at the industry standard form factor. These highly scalable server systems provide flexible computing & storage options with the highest levels of energy efficiency and performance.

QCT multi-node product line delivers the best performance per watt with its industry leading shared Fan & PSU design. The 2U/3U high density product line offers extensive selection of hot-plug server nodes optimized for high-density computing workloads.

## ▶ 1U Server

### QuantaGrid D51B-1U

Full-Featured Energy Efficient 2-Socket Server



<b>Processor</b>	(2) Intel® Xeon® processor E5-2600 v3 product family
<b>Chipset</b>	Intel® C610
<b>Memory</b>	(24) 2133 MHz DDR4 RDIMM/ LRDIMM
<b>Storage</b>	Option 1: (10) 2.5" hot-plug (including (2) optional 2.5" NVMe PCIe SSD) Option 2: (10) 2.5" hot-plug (require additional LSI SAS/ MegaRAID card to connect to the expander backplane) Option 3: (4) 3.5" hot-plug, (2) 2.5" fixed SSD
<b>Network Controller</b>	Option 1: Intel® I350 dual-port 1 GbE Dedicated 1 GbE management port Option 2: Intel® X540 dual-port 10GbE BASE-T Dedicated 1 GbE management port
<b>Expansion Slot</b>	Option 1 (default): (1) PCIe Gen3 x8 SAS mezzanine slot (1) PCIe Gen3 x16 FHHL (1) PCIe Gen3 x8 OCP LAN mezzanine slot Option 2: (1) PCIe Gen3 x16 LP MD-2 (1) PCIe Gen3 x16 FHHL (1) PCIe Gen3 x8 OCP LAN mezzanine slot
<b>Form Factor</b>	1U rack mount

### QuantaGrid D51BP-1U

Energy Efficient 2-Socket Server with Extreme Storage IOP/S



<b>Processor</b>	(2) Intel® Xeon® processor E5-2600 v3 product family
<b>Chipset</b>	Intel® C610
<b>Memory</b>	(20) 2133 MHz DDR4 RDIMM/ LRDIMM
<b>Storage</b>	(10) 2.5" hot-plug (support PCIe-based interface)
<b>Network Controller</b>	Option 1: Intel® I350 dual-port 1 GbE Dedicated 1 GbE management port Option 2: Intel® X540 dual-port 10GbE BASE-T Dedicated 1 GbE management port
<b>Expansion Slot</b>	Option 1 (default): (1) PCIe Gen3 x8 SAS mezzanine slot (1) PCIe Gen3 x8 OCP LAN mezzanine slot (2) PCIe Gen3 x8 LP MD-2 Option 2 (this sku does not support any 2.5" PCIe SSD): (1) PCIe Gen3 x8 SAS mezzanine slot (1) PCIe Gen3 x8 OCP LAN mezzanine slot (2) PCIe Gen3 x16 LP MD-2
<b>Form Factor</b>	1U rack mount

## QuantaGrid D51PS-1U

Powerful Compact 2-Socket Server



<b>Processor</b>	(2) Intel® Xeon® processor E5-2600 v3 product family
<b>Chipset</b>	Intel® C610
<b>Memory</b>	(16) 2133 MHz DDR4 RDIMM/ LRDIMM
<b>Storage</b>	Option 1: (10) 2.5" hot-plug Option 2: (4) 3.5" hot-plug (2) 2.5" fixed SSD
<b>Network</b>	Intel® I350 dual-port 1 GbE
<b>Controller</b>	Dedicated 1 GbE management port
<b>Expansion Slot</b>	Option 1 (default): (1) PCIe Gen3 x8 SAS mezzanine slot (1) PCIe Gen3 x16 OCP LAN mezzanine slot Option 2: (1) PCIe Gen3 x8 QCT LAN mezzanine slot (1) PCIe Gen3 x16 OCP LAN mezzanine slot
<b>Form Factor</b>	1U rack mount

## QuantaGrid D51PC-1U

Versatile Compact 2-Socket Server



<b>Processor</b>	(2) Intel® Xeon® processor E5-2600 v3 product family
<b>Chipset</b>	Intel® C610
<b>Memory</b>	(8) 2133 MHz DDR4 RDIMM/ LRDIMM
<b>Storage</b>	Option 1: (10) 2.5" hot-plug Option 2: (4) 3.5" hot-plug (2) 2.5" fixed SSD
<b>Network</b>	Option 1: Intel® I210 single port 1 GbE Option 2: Intel® I210 single port 1 GbE + Intel® I350 dual-port 1 GbE
<b>Controller</b>	Dedicated 1 GbE management port Dedicated 1 GbE management port
<b>Expansion Slot</b>	Option 1 (default): (1) PCIe Gen3 x8 SAS mezzanine slot (1) PCIe Gen3 x8 Low profile MD-2 (1) PCIe Gen3 x8 OCP LAN mezzanine slot Option 2: (1) PCIe Gen3 x8 QCT LAN mezzanine slot (1) PCIe Gen3 x8 Low profile MD-2 (1) PCIe Gen3 x8 OCP LAN mezzanine slot
<b>Form Factor</b>	1U rack mount

## QuantaGrid S51G-1U

The Densest 1U Scale Out Computing Storage Server



<b>Processor</b>	(1) Intel® Xeon® processor E5-2600 v2 product family
<b>Chipset</b>	Intel® C602
<b>Memory</b>	(8) 1866/1600/1333 MHz DDR3 RDIMM, or (8) 1600 MHz DDR3 LRDIMM
<b>Storage</b>	(12) 3.5" or 2.5" fixed SAS/SATA
<b>Network</b>	(1) Intel® I350 dual port 1 GbE
<b>Controller</b>	(1) Intel® 82599 10Gb single port SFP+ Dedicated 10/100/1000 management port
<b>Expansion Slot</b>	(1) PCIe Gen3 x16 slot (full height)
<b>Form Factor</b>	1U rack mount

## STRATOS S100-L11D

The Densest 1U Scale Out Storage Server



<b>Processor</b>	(1) Intel® Xeon® processor E3-1200 v3 product family
<b>Chipset</b>	Intel® C226
<b>Memory</b>	(4) 1600/1333 MHz DDR3 ECC UDIMM
<b>Storage</b>	(12) 3.5" or 2.5" fixed SATA
<b>Network</b>	(1) Intel® 82599ES single port 10G SFP+
<b>Controller</b>	(4) Intel® I210 1 GbE Dedicated 10/100 management port
<b>Expansion Slot</b>	(1) PCIe Gen3 x8 LP MD-2
<b>Form Factor</b>	1U rack mount

## STRATOS S100-X1S1N

Compact 1U Server with  
Extra Storage Expandability



<b>Processor</b>	(1) Intel® Xeon® processor E3-1200 v3 product family
<b>Chipset</b>	Intel® C222
<b>Memory</b>	(4) 1600/1333 MHz DDR3 ECC UDIMM
<b>Storage</b>	Option 1: (10) 2.5" hot-plug (2) 2.5" fixed SSD Option 2: (4) 3.5" hot-plug (2) 2.5" fixed SSD (2) 2.5" fixed HDD
<b>Network Controller</b>	Intel® I210 dual port 1 GbE
<b>Expansion Slot</b>	Option 1: (2) PCIe Gen3 x8 mezzanine Slots (incl. (1) SAS and (1) OCP mezz) Option 2: (1) PCIe Gen3 x8 LP-MD2 (1) PCIe Gen3 x8 OCP mezzanine Slots
<b>Form Factor</b>	1U rack mount

## STRATOS S210-X12RS

2-Socket High Memory 1U  
Rackmount Server



<b>Processor</b>	(2) Intel® Xeon® processor E5-2600, E5-2600 v2 product family
<b>Chipset</b>	Intel® C602
<b>Memory</b>	(24) 1866/1600/1333 MHz DDR3 RDIMM, or (24) 1600 MHz DDR3 LRDIMM
<b>Storage</b>	Option 1: (10) 2.5" hot-plug Option 2: (4) 3.5" hot-plug
<b>Network Controller</b>	Option 1: Intel® I350 dual-port 1 GbE Dedicated 1 GbE management port Option 2: Intel® X540 dual-port 10GbE BASE-T Dedicated 1 GbE management port
<b>Expansion Slot</b>	(1) PCIe Gen3 x16 FHHL (2) PCIe Gen3 x8 mezzanine Slots
<b>Form Factor</b>	1U rack mount

## STRATOS S215-X1M2Z

OCP, AMD Open 3.0 Compliant  
1U Server



<b>Processor</b>	(2) AMD Opteron™ 6200, 6300 product family
<b>Chipset</b>	AMD SR5670 + SP5100
<b>Memory</b>	(24) 1600/1333 MHz DDR3 RDIMM
<b>Storage</b>	Option 1: (10) 2.5" hot-plug Option 2: (4) 3.5" hot-plug
<b>Network Controller</b>	Broadcom 5720 dual-port 1 GbE
<b>Expansion Slot</b>	(2) PCIe Gen2 x8 LP MD-2 (1) PCIe Gen3 x8 OCP mezzanine slot
<b>Form Factor</b>	1U rack mount

▶ 2U Server

## QuantaGrid D51B-2U

Full-Featured Energy  
Efficient 2-Socket Server



<b>Processor</b>	(2) Intel® Xeon® processor E5-2600 v3 product family
<b>Chipset</b>	Intel® C610
<b>Memory</b>	(24) 2133 MHz DDR4 RDIMM/ LRDIMM
<b>Storage</b>	Option 1: (24) 2.5" hot-plug (2) optional rear 2.5" hot-plug (2) optional rear 2.5" hot-plug PCIe SSD Option 2: (12) 3.5" hot-plug (2) optional rear 2.5" hot-plug (2) optional rear 2.5" hot-plug PCIe SSD
<b>Network Controller</b>	Option 1: Intel® I350 dual-port 1 GbE Dedicated 1 GbE management port Option 2: Intel® X540 dual-port 10GbE BASE-T Dedicated 1 GbE management port
<b>Expansion Slot</b>	Option 1 (default): (1) PCIe Gen3 x8 SAS mezzanine slot (2) PCIe Gen3 x8 LP MD-2 (1) PCIe Gen3 x8 FHHL (1) PCIe Gen3 x16 FHHL (1) PCIe Gen3 x8 OCP LAN mezzanine slot Option 2: (1) PCIe Gen3 x16 LP MD-2 (2) PCIe Gen3 x8 FHHL (1) PCIe Gen3 x16 FHHL (1) PCIe Gen3 x8 OCP LAN mezzanine slot
<b>Form Factor</b>	2U rack mount

## STRATOS S210-X22RQ

2-Socket High Memory 2U  
Rackmount Server



<b>Processor</b>	(2) Intel® Xeon® processor E5-2600, E5-2600 v2 product family
<b>Chipset</b>	Intel® C602
<b>Memory</b>	(24) 1866/1600/1333 MHz DDR3 RDIMM, or (24) 1600 MHz DDR3 LRDIMM
<b>Storage</b>	Option 1: (24) 2.5" hot-plug (2) optional rear 2.5" hot-plug Option 2: (12) 3.5" hot-plug (2) optional rear 2.5" hot-plug
<b>Network Controller</b>	Option 1: Intel® I350 dual-port 1 GbE Dedicated 1 GbE management port Option 2: Intel® X540 dual-port 10GbE BASE-T Dedicated 1 GbE management port
<b>Expansion Slot</b>	(1) PCIe Gen3 x8, FHHL (3) PCIe Gen3 x8, LP MD-2 (1) PCIe Gen3 x4, LP MD-2 (2) PCIe Gen3 x8 mezzanine slots
<b>Form Factor</b>	2U rack mount

▶ 4U Server

## QuantaGrid Q71L-4U

Powerful Enterprise Grade  
4U 4-Socket Server with  
Unprecedented RAS and  
Scalability



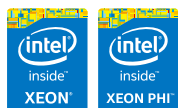
<b>Processor</b>	(4) Intel® Xeon® processor E7-4800 v2 /E7-4800 v3 /E7-8800 v3 product family
<b>Chipset</b>	Intel® C602J
<b>Memory</b>	E7-4800 v2 : (96) 1600 /1333 MHz DDR3 RDIMM E7-4800 v3 /8800 v3 : (96) 1866 MHz DDR4 RDIMM
<b>Storage</b>	(12) 2.5" hot-plug (*up to (2) hot-plug PCIe SSD support)
<b>Network Controller</b>	Option 1: Intel® I350 dual-port 1 GbE Dedicated 1 GbE management port Option 2: Intel® X540 dual-port 10GbE BASE-T Dedicated 1 GbE management port
<b>Expansion Slot</b>	(2) PCIe Gen3 x16 HH 3/4L ((1) has HS feature) (8) PCIe Gen3 x8 HHHL ((3) has HS feature) (1) PCIe Gen3 x8 dedicated storage mezzanine slot (1) PCIe Gen3 x8 dedicated network mezzanine slot
<b>Form Factor</b>	4U rack mount

\* (2) NVMe PCIe SSD supported onboard, (2) additional available with add-on PCIe card.

▶ GPGPU Server

## QuantaGrid D51BV-2U

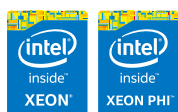
Energy Efficient 2-Socket  
GPU/ Intel® Xeon Phi™  
Server



<b>Processor</b>	(2) Intel® Xeon® processor E5-2600 v3 product family
<b>Chipset</b>	Intel® C610
<b>Memory</b>	(24) 2133 MHz DDR4 RDIMM/ LRDIMM
<b>Storage</b>	Option 1: (10) 3.5" hot-plug SATA 6Gb/s Option 2: (12) 3.5" hot-plug (require additional SAS/ RAID card)
<b>Network Controller</b>	Option 1: Intel® I350 dual-port 1 GbE Dedicated 1 GbE management port Option 2: Intel® X540 dual-port 10GbE BASE-T Dedicated 1 GbE management port
<b>Expansion Slot</b>	(2) PCIe Gen3 x16 double-width FHFL (2) PCIe Gen3 x8 LP MD-2 (1) PCIe Gen3 x8 OCP LAN mezzanine slot
<b>Form Factor</b>	2U rack mount

## STRATOS S210-X2A2J

Incredible Parallel Computing  
Power



<b>Processor</b>	(2) Intel® Xeon® processor E5-2600, E5-2600 v2 product family
<b>Chipset</b>	Intel® C602
<b>Memory</b>	(16) 1866/1600/1333 MHz DDR3 RDIMM or (16) 1600 MHz DDR3 LRDIMM
<b>Storage</b>	(4) 2.5" hot-plug
<b>Network Controller</b>	Option 1: Intel® I350 dual-port 1 GbE Shared NIC 10/100 Mbps for management on NIC1 Option 2: Intel® I350 dual-port 1 GbE, Mellanox CX3 IB QDR QSFP+ port Shared NIC 10/100 Mbps for management on NIC1 Option 3: Intel® I350 dual-port 1 GbE, Mellanox CX3 IB FDR QSFP+ port Shared NIC 10/100 Mbps for management on NIC1
<b>Expansion Slot</b>	(4) PCIe Gen3 x16 FHFL
<b>Form Factor</b>	2U rack mount

## ► Microserver

### STRATOS S910-X31E

High Density and Energy Efficient 3U Microserver



	9-Node	12-Node
<b>Processor</b>	(1) Intel® Xeon® processor E3-1200 v3 product family per node	
<b>Chipset</b>	Intel® C226	
<b>Memory</b>	(4) 1600/1333 MHz ECC UDIMM per node	(4) 1600/1333 MHz ECC VLP UDIMM per node
<b>Storage</b>	(2) 3.5" per node, or (4) 2.5" per node	
<b>Network Controller</b>	Intel® I350 dual port 1 GbE per node	
<b>Expansion Slot</b>	(1) PCIe Gen3 x8 mezzanine slot	None
<b>Form Factor</b>	3U rack mount, (9) nodes	3U rack mount, (12) nodes

## ► Multi-Node Server

### QuantaPlex T41S-2U (4-Node)

2U 4-Node Server Featuring Highest Compute Density



<b>Processor</b>	(2) Intel® Xeon® processor E5-2600 v3 product family per node
<b>Chipset</b>	Intel® C610
<b>Memory</b>	(16) 2133 MHz DDR4 RDIMM/ LRDIMM per node
<b>Storage</b>	Option 1: (6) 2.5" hot plug per node Option 2: (3) 3.5" hot plug per node
<b>Network Controller</b>	Option 1: Intel® I350 dual-port 1 GbE per node Dedicated 10/100 management port per node Option 2: Intel® X540 dual-port 10GbE BASE-T per node Dedicated 10/100 management port per node Option 3: Intel® 82599ES dual-port 10G SFP+ per node Dedicated 10/100 management port per node
<b>Expansion Slot</b>	(1) PCIe Gen3 x16 LP MD-2 per node (1) PCIe Gen3 x8 mezzanine slot per node
<b>Form Factor</b>	2U rack mount, (4) nodes

### QuantaPlex T41SP-2U (4-Node)

2U 4-Node Server Featuring NVMe SSD



<b>Processor</b>	(2) Intel® Xeon® processor E5-2600 v3 product family per node
<b>Chipset</b>	Intel® C610
<b>Memory</b>	(16) 2133 MHz DDR4 RDIMM/ LRDIMM per node
<b>Storage</b>	(6) 2.5" hot plug (2x NVMe SSD) per node
<b>Network Controller</b>	Option 1: Intel® I350 dual-port 1 GbE per node Dedicated 10/100 management port per node Option 2: Intel® X540 dual-port 10GbE BASE-T per node Dedicated 10/100 management port per node Option 3: Intel® 82599ES dual-port 10G SFP+ per node Dedicated 10/100 management port per node
<b>Expansion Slot</b>	(1) PCIe Gen3 x16 LP MD-2 per node (1) PCIe Gen3 x8 mezzanine slot per node
<b>Form Factor</b>	2U rack mount, (4) nodes

### STRATOS S810-X52L (4-Node)

Ultra Dense High Computing Multi-node 2U Rackmount Server

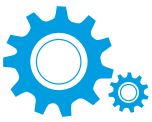


<b>Processor</b>	(2) Intel® Xeon® processor E5-2600, E5-2600 v2 product family per node
<b>Chipset</b>	Intel® C602
<b>Memory</b>	(16) 1866/1600/1333 MHz DDR3 RDIMM, or (16) 1600 MHz DDR3 LRDIMM per node
<b>Storage</b>	Option 1: (6) 2.5" hot plug per node Option 2: (3) 3.5" hot plug per node
<b>Network Controller</b>	Option 1: Intel® I350 dual-port 1 GbE per node Dedicated 10/100 management port per node Option 2: Intel® X540 dual-port 10GbE BASE-T per node Dedicated 10/100 management port per node
<b>Expansion Slot</b>	(1) PCIe Gen3 x16 LP MD-2 per node (1) PCIe Gen3 x16 mezzanine slot per node
<b>Form Factor</b>	2U Rack Mount, (4) nodes

## Broad Choice of Network/Storage Mezzanine Options

QCT has developed the most reliable network and SAS mezzanine cards with outstanding performance and power efficiency. The QCT network mezzanine cards are available from the conventional 1GbE/10GbE copper Ethernet for fail-over redundancy to the LoM, to the high performance 10GbE SFP+/40GbE QSFP+ and InfiniBand designed to increase the network throughput and bandwidth. With the explosive growth of data in cloud and enterprise storage requirement, The QCT latest 6Gbps/12Gbps SAS 3.0 mezzanine cards will satisfy the need for both cost efficient cold storage application and mission critical high performance data application.





# Quanta System Manager (QSM)

## Hyper Scale Datacenter Management with Intuitive Console



To eliminate infrastructure management complexity, Quanta System Manager is tailored with an intuitive systems management console solution optimized on monitoring and managing of QCT system hardware. Quanta System Manager not only helps consolidate numerous systems information but also simplify the management process, which is significantly reduce operation cost and maintenance time.

Quanta System Manager is agentless, and its manageability converges across computing servers (storage server) and networking.

### Ease-of-Use Intuitive Management Console

Quanta System Manager provides a secure and intuitive interface to review system hardware configuration and datacenter status information.

With a hierarchical structure view, Quanta System Manager helps administrators find out a specific system and identify where it located in datacenter easily. This design improves IT administrator working efficiency by converging management of server and networking devices.

### Upgrade Multiple Systems Firmware Simultaneously

Quanta System Manager displays real-time server health and system configuration information on the single-glass-of-pane dashboard, assists IT administrator on system firmware version maintenance, upgrading and numerous system thresholds monitoring. QSM also support simultaneously upgrade multiple systems in simple steps, which largely reduces system service and maintenance time in hyper scale data center.

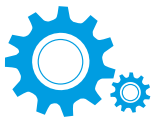
Quanta System Manager is delivered with QCT all series server product.\*

Quanta System Manager 90 days trial-run version is on QCT web-site for your experience.

\* Detail QSM price and supporting product please direct contact with sales.

Feature		Benefits	
■ <b>Intuitive Management Console</b>	Customized dashboard showing status of systems and events that are most important to administrator	● <i>Ease-of-Use Intuitive Management Console</i>	
■ <b>System Management</b>	Managing system firmware version control and hardware configuration information across compute and networking	● <i>Upgrade Multiple Systems Firmware Simultaneously</i>	
■ <b>Hyper Scale Management</b>	Categorized into four levels: Datacenter, Row, Rack, Device in hierarchical view	● <i>Real-Time Power and Thermal Information Monitoring</i>	
■ <b>Batch Firmware Update</b>	Upgrade multiple systems simultaneously in hyper scale environment	● <i>One-Click Inventory Data Collection for Further Analysis and Statistics</i>	
■ <b>Power and Thermal Management</b>	Cumulated real-time power consumption and thermal information monitoring from system, rack and datacenter		
■ <b>Event Monitoring/ Email Event Notification</b>	Email alert notification to notify administrators of system status instantly		
■ <b>Inventory Assistant</b>	Export server inventory data for further analysis and statistics		
■ <b>Multi Language Support</b>	Support English, Traditional Chinese and Simplified Chinese		
■ <b>Remote Control</b>	Remote power on/off and hardware health monitoring		
■ <b>RESTful API Access</b>	Provide RESTful API layer to easily integrate with third-party software		
■ <b>SSH Support</b>	Secure and remote access method supported		
		System Requirement	
			Windows server 2012 R2
		<b>Supported OS</b>	Ubuntu 14.04 (x64)
			RedHat7 (x64)
		<b>Browser Recommend</b>	Mozilla Firefox, 31 or above
			Google Chrome, 36 or above
		<b>Minimum HW Requirement</b>	Microsoft Internet Explorer, 10 or above
			x86-64 bit processor of 2.6GHz
			8GB RAM
			10GB of hard drive space or above





# Quanta Datacenter Manager

As energy demands and density continue to increase in the datacenter, datacenter managers are now looking for new solutions to face challenges like manageability and rising cost; Quanta Datacenter Manager (QDCM) provides the solution to help improve the manageability, energy usage and system utilization to your datacenter so datacenter managers can get better control of energy and resources with just a click.

Through QDCM, datacenter managers can monitor the real-time power usage and temperature at the dashboard, and manage any server's power consumption by power policies. QDCM also provides the energy optimization function. By tracking and analyzing energy usage history and cooling analysis, QDCM can give you recommendations like consolidating workloads from low utilized servers or cooling your datacenter more efficiently to save more energy.



## QDCM Dashboard

QDCM Dashboard displays the overall status of managed nodes, including temperature, power consumption, space usage, and custom/system events in one page.

## QDCM Hierarchical Datacenter Management

Datacenter Manager displays all managed entities in QDCM Console. The summary shows the status of selected rack or a single server, including temperature, power consumption, space usage and custom/system events. In this page, users also can get server's inventory data or set power policies to limit the consumed power.



## QDCM Energy Optimization

Energy Optimization analyzes many data sets to help user optimize the energy efficiency in their datacenter.

- Cooling Analysis provides the current cooling status which is evaluated with suggestions, along with possible actions and the benefits of taking these actions.
- Low-Utilization Servers function can identify under utilized servers and list them as potential targets for workload consolidation to optimize energy efficiency.
- Server Power Characteristics provides the information of power consumption to decide whether to upgrade or replace some servers to improve the power efficiency in their datacenter.



# Storage

QCT storage product line is designed with high availability and full redundancy, offering seamless data storage and backup solution suitable broadly for SMBs, enterprises, and cloud service providers.

QCT JBOD Series offer flexible, affordable, scalable, and highly available IT infrastructure. Users can easily scale up the storage capability when business grows, and access critical data with high reliability because of the redundant controller module, power supply, data path, and cooling module design.

## ▶ JBOD

### QuantaVault JB4602

The Most Sophisticated 4U  
60 HDDs JBOD



<b>Controller Module</b>	(2) External SAS Interface Modules (SIM) (4) Internal SAS Interface Modules (ISIM)
<b>External I/O Ports</b>	(4) 12Gb/s mini-SAS ports per SIM
<b>Storage</b>	(60) 3.5" or 2.5" hot-plug SASIII/SATAIII HDD/SSDs
<b>Management Port</b>	(1) Mini USB management port per SIM
<b>Fan</b>	(4) FAN modules, dual rotors per module
<b>Power Supply</b>	(2) 1400W 220VAC or (2) 1200W 100-220VAC PSUs, Platinum
<b>Form Factor</b>	4U rack mount

### MESOS M4600H

Ultra-Dense 4U Disk Expansion  
Unit



<b>Controller Module</b>	(2) SAS Interface Modules (SIM) (4) Internal SAS Interface Modules (ISIM)
<b>External I/O Ports</b>	(4) 6Gb/s mini-SAS ports per SIM
<b>Storage</b>	(60) 3.5" or 2.5" hot-plug SAS/SATA HDD/SSDs
<b>Management Port</b>	(1) Mini USB management port
<b>Fan</b>	(4) FAN modules, dual rotors per module
<b>Power Supply</b>	(2) 1400W 220VAC or (2) 1200W 100-220VAC PSUs
<b>Form Factor</b>	4U rack mount

### MESOS M4240H

High-Density 4U Disk Expansion  
Unit



<b>Controller Module</b>	(2) SAS Interface Modules (SIM)
<b>External I/O Ports</b>	(3) 6Gb/s mini-SAS ports per SIM - (2) Host ports - (1) Cascading ports
<b>Storage</b>	(24) 3.5" or 2.5" hot-plug SAS/SATA HDD/SSDs
<b>Management Port</b>	(1) RJ11 management port
<b>Fan</b>	(4) FAN modules, 2+2 redundant
<b>Power Supply</b>	(2) 760W redundant PSUs
<b>Form Factor</b>	4U rack mount

▶ Storage Server

## QuantaPlex T21P-4U (2-Node)

4U High Density and High Computing Storage Server



<b>Processor</b>	(2) Intel® Xeon® processor E5-2600 v3 product family
<b>Chipset</b>	Intel® C610
<b>Memory</b>	(16) 2133 MHz DDR4 RDIMM/ LRDIMM per node
<b>Storage</b>	Option 1: (2) MBs with (70) 3.5"/2.5" hot plug Option 2: (1) MB with (78) 3.5"/2.5" hot plug
<b>Network</b>	Intel® I350 dual-port 1 GbE
<b>Controller</b>	Dedicated 10/100 management port per node Options (by OCP Mezz): Intel® I350 dual-port 1 GbE Intel® X540 dual-port 10GbE BASE-T Intel® 82599ES dual-port 10G SFP+
<b>Expansion</b>	(1) PCIe Gen3 x16 FHHL
<b>Slot</b>	(1) PCIe Gen3 x8 HHHL (1) PCIe Gen3 x8 HHHL or SAS Mezz
<b>Form Factor</b>	4U Rack Mount

## QuantaGrid D51PH-1ULH

Hybrid Scale-out and Highly Computing Performance Cloud Storage Server



<b>Processor</b>	(2) Intel® Xeon® processor E5-2600 v3 product family
<b>Chipset</b>	Intel® C610
<b>Memory</b>	(16) 2133 MHz DDR4 RDIMM
<b>Storage</b>	(12) 3.5"/2.5" hot-plug 12Gb/s SAS or 6Gb/s SATA HDD (4) 2.5" hot-plug 7mm 6Gb/s SATA SSD (1) Internal SATA DOM
<b>Network</b>	Intel® I350 1GbE Dual-ports
<b>Controller</b>	(1) dedicated 1GbE management port
<b>Expansion</b>	(1) PCIe Gen3 x8 OCP LAN Mezzanine Slot
<b>Slot</b>	
<b>Form Factor</b>	1U Rack Mount, 34.68" depth

## QuantaPlex T21SR-2U (2-Node)

2U 2 Clustered Node High Availability Storage Server



<b>Processor</b>	(2) Intel® Xeon® processor E5-2600 v3 product family
<b>Chipset</b>	Intel® C610
<b>Memory</b>	(16) 2133 MHz DDR4 RDIMM/ LRDIMM per node
<b>Storage</b>	Option 1: (24) 2.5" shared storage, hot plug Option 2: (12) 3.5" shared storage, hot plug
<b>Network</b>	Option 1: Intel® I350 dual-port 1 GbE per node by OCP Mezz
<b>Controller</b>	Dedicated 10/100 management port per node Option 2: Intel® X540 dual-port 10GbE BASE-T per node by OCP Mezz Dedicated 10/100 management port per node Option 3: Intel® 82599ES dual-port 10G SFP+ per node by OCP Mezz Dedicated 10/100 management port per node
<b>Expansion Slot</b>	(3) PCIe Gen3 x8 LP MD-2
<b>Node</b>	
<b>Interconnection</b>	Intel® NTB and dual 10Gb
<b>Form Factor</b>	2U Rack Mount, (2) nodes
<b>Data Vaulting</b>	Battery Backup per node

## STRATOS S810-X52LR

Cluster-in-a-Box Server  
Provides In-chassis Shared  
Storage



<b>Processor</b>	(2) Intel® Xeon® processor E5-2600, E5-2600 v2 product family
<b>Chipset</b>	Intel® C602
<b>Memory</b>	(16) 1866/1600/1333 MHz DDR3 RDIMM per node
<b>Storage</b>	Option 1: (12) 3.5" or 2.5" hot-plug SAS HDDs, (2) 2.5" internal HDDs for OS installation per node (1x PCIe slot will be size constraint) Option 2: (12) 3.5" hot-plug SAS HDDs (1) USB Flash Module per system
<b>Network Controller</b>	Option 1: Intel® I350 dual-port 1 GbE, Dedicated 10/100 management port Option 2: Intel® X540 dual-port 10GbE BASE-T, Dedicated 10/100 management port
<b>Expansion Slot</b>	Option 1: (3) PCIe Gen3 x8 LP MD-2 per node Option 2: (1) PCIe Gen3 x8 mezzanine slot per node (1) PCIe Gen3 x8 LP MD-2 per node
<b>Node Interconnection</b>	1 Gb and NTB interconnection
<b>Form Factor</b>	2U rack mount, Dual clustered node

### ► Storage Appliance

## MESOS CB220

Converged Cluster-in-a-Box  
Network Attached Storage



	Value SKU	Performance SKU
<b>Operating System</b>	Windows Storage Server 2012 R2 Standard Edition	Windows Storage Server 2012 Standard Edition
<b>Processor (per node)</b>	(2) Intel® Xeon® E5-2609 per node	
<b>Memory (per node)</b>	32GB 1333MHz DDR3 RDIMM per node	64GB 1333MHz DDR3 RDIMM per node
<b>Storage</b>	Option 1: (12) 3.5" SASII HDD per system (2) 2.5" internal SATA HDD for OS installation per node Option 2: (12) 2.5" SASII HDD per system (2) 2.5" internal SATA HDD for OS installation per node	
<b>Network Controller (per node)</b>	Option 1: Intel® I350 dual-port 1 GbE Option 2: Intel® X540 dual-port 10 GbE	Option 1: Intel® I350 dual-port 1 GbE + 82599 dual-port 10 GbE SFP+ Option 2: Intel® I350 dual-port 1 GbE + X540 dual-port 10 GbE RJ-45
<b>RAID</b>	Windows Storage Spaces	LSI Syncro CS SAS 9271-8i
<b>Interconnection</b>	1 Gb and NTB	
<b>Form Factor</b>	2U rack mount, Dual clustered node	

# Networking

Emerging trends such as cloud computing, big data, and parallel calculation redefine the network infrastructure from three layers (core, aggregation and access) to two layers (spine and leaf). The QuantaMesh Ethernet switch product lineup is designed for two-layer architecture in modern datacenters. It features low latency, low power consumption, high density, high port count and offers various speed options from 1G, 10G, to 40G, and a wide range of software support including virtualization, L3 fabric, as well as Openflow-based SDN. Its fixed-ports configuration, redundant power supply and fan design, and software features such as Border Gateway Protocol (BGP), Multi-chassis Link Aggregation (MLAG), and Equal-cost Multi-path routing (ECMP) enable scalability, load balancing, and non-stop service for datacenters.

## QuantaMesh T1048-P02



### Gigabit Enterprise-Class Ethernet Switch

#### Physical Ports

Port Configuration	48 10/100/1000BASE-T 4 100/1000BASE-X SFP ports
Management Port	OOB port (10/100BASE-TX)
Console Port	1 (RJ-45)
USB	1 (Type A)

#### Performance

Switching Capacity	104Gbps
Maximum Forwarding Rate	77Mpps
Memory	1GB DDR3
Flash	32MB SPI and 1GB NAND
MAC	16K

## QuantaMesh T1048-P02S



### 1/10G Enterprise-Class Ethernet Switch

Port Configuration	48 10/100/1000BASE-T 4 1/10G SFP+ ports
Management Port	OOB port (10/100BASE-TX)
Console Port	1 (RJ-45)
USB	1 (Type A)

Switching Capacity	136Gbps
Maximum Forwarding Rate	102Mpps
Memory	1GB DDR3
Flash	32MB SPI and 1GB NAND
MAC	16K

## QuantaMesh T1048-LY4A



### 1/10G Enterprise-Class Ethernet Switch

#### Physical Ports

Port Configuration	48 10/100/1000BASE-T 2 1/10G SFP+ ports
Management Port	OOB port (10/100/1000BASE-T)
Console Port	1 (RJ-45)
USB	1 (Type A)

## QuantaMesh T1048-LY4B



### 1/10G Enterprise-Class Ethernet Switch

Port Configuration	48 10/100/1000BASE-T 4 100/1000BASE-X SFP ports
Management Port	OOB port (10/100/1000BASE-T)
Console Port	1 (RJ-45)
USB	1 (Type A)

Switching Capacity	104Gbps
Maximum Forwarding Rate	77Mpps
Latency	-
Memory	512MB DDR3
Flash	32MB
MAC	16K
Storage	-

## QuantaMesh T1048-LB9A



### 1/10G Enterprise-Class Ethernet Switch

Port Configuration	48 10/100/1000BASE-T 4 1/10G SFP+ ports
Management Port	OOB port (10/100/1000BASE-T)
Console Port	1 (RJ-45)
USB	-

Switching Capacity	176Gbps
Maximum Forwarding Rate	131Mpps
Latency	~3us
Memory	1GB DDR3
Flash	64MB
MAC	32K
Storage	2GB CF

### QuantaMesh T1048-LB9



1G/10G Datacenter & Enterprise-Class Ethernet Switch

### QuantaMesh T3024-P05



A Powerful Top-of-Rack Switch for Datacenter

### QuantaMesh T3040-LY3



A Powerful Top-of-Rack Switch for Datacenter

#### Physical Ports

Port Configuration	48 10/100/1000 BASE-T 4 1/10GbE SFP+ ports	24 1/10GbE SFP+ 2 40GbE QSFP+ ports	40 100/1000/10GBASE-T 8 1/10GbE SFP+ ports
Management Port	OOB port (10/100/1000BASE-T)	OOB port (10/100/1000BASE-T)	OOB port (10/100/1000BASE-T)
Console Port	1 (RJ-45)	1 (Mini USB)	1 (RJ-45)
USB	-	1 (Type A)	1 (Type A)

#### Performance

Switching Capacity	176Gbps	640Gbps	960Gbps
Maximum Forwarding Rate	131Mpps	476Mpps	714Mpps
Latency	~3us	<1us	<3us
Memory	1GB DDR3	4GB DDR3	2GB DDR3
Flash	64MB	128MB	64MB
MAC	32K	128K	128K
Storage	2GB CF	8GB Micro SD	2GB Micro SD

#### High Availability

Redundant Power Supply: 1+1	-	Redundant Power Supply: 1+1
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### QuantaMesh T3048-LY2R



A Powerful Top-of-Rack Switch for Datacenter

### QuantaMesh T3048-LY5A



A Powerful Spine/Leaf Switch for Datacenter

### QuantaMesh T3064-LY1R



A Powerful Top-of-Rack Switch for Datacenter

#### Physical Ports

Port Configuration	48 1/10GbE SFP+ 4 40GbE QSFP+ ports	48 1/10GbE SFP+ 12 40GbE QSFP+ ports	64 1/10GbE SFP+ ports
Management Port	OOB port (10/100/1000BASE-T)	OOB port (10/100/1000BASE-T)	OOB port (10/100/1000BASE-T)
Console Port	1 (RJ-45)	1 (RJ-45)	1 (RJ-45)
USB	1 (Type A)	1 (Type A)	1 (Type A)

#### Performance

Switching Capacity	1280Gbps	1920Gbps	1280Gbps
Maximum Forwarding Rate	952Mpps	1428Mpps	952Mpps
Latency	<1us	<600ns	<1us
Memory	2GB DDR3	4GB DDR3/ECC	2GB DDR3
Flash	128MB	128MB	128MB
MAC	128K	UFT*	128K
Storage	8GB Micro SD	8GB Micro SD	2GB Micro SD

\*UFT: Unified Forwarding Table that is flexible to dynamically allocate the L2 and L3 table size.

#### High Availability

Redundant Power Supply: 1+1 Hot-Swappable Fan Tray: N+1	Redundant Power Supply: 1+1 Hot-Swappable Fan Tray: N+1	Redundant Power Supply: 1+1 Hot-Swappable Fan Tray: N+1
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## QuantaMesh T3048-LY8



A Powerful Spine/Leaf Switch  
for Datacenter

## QuantaMesh T3048-LY9



A Powerful Spine/Leaf Switch  
for Datacenter

## QuantaMesh T5032-LY6



A Powerful Spine/Leaf Switch  
for Datacenter

### Physical Ports

Port Configuration	48 1/10GbE SFP+ 6 40GbE QSFP+ ports	48 100/1000/10G BASE-T 6 40GbE QSFP+ ports	32 40GbE QSFP+ ports
Management Port	OOB port (10/100/1000BASE-T)	OOB port (10/100/1000BASE-T)	OOB port (10/100/1000BASE-T)
Console Port	1 (RJ-45)	1 (RJ-45)	1 (RJ-45)
USB	1 (Type A)	1 (Type A)	1 (Type A)

### Performance

Switching Capacity	1440Gbps	1440Gbps	2560Gbps
Maximum Forwarding Rate	1071Mpps	1071Mpps	1920Mpps
Latency	<600ns	<3us	<600ns
CPU Board 1	CPU: P2020 Memory: 2GB DDR3/ECC Flash: 128MB	CPU: P2020 Memory: 2GB DDR3/ECC Flash: 128MB	CPU: P2020 Memory: 2GB DDR3/ECC Flash: 128MB
CPU Board 2	CPU: Intel® Rangeley Memory: 4GB DDR3/ECC Flash: 32GB SSD	CPU: Intel® Rangeley Memory: 4GB DDR3/ECC Flash: 32GB SSD	CPU: Intel® Rangeley Memory: 4GB DDR3/ECC Flash: 32GB SSD
MAC	UFT*	UFT*	UFT*
Storage	8GB Micro SD	8GB Micro SD	8GB Micro SD

\*UFT: Unified Forwarding Table that is flexible to dynamically allocate the L2 and L3 table size.

### High Availability

Redundant Power Supply: 1+1	Redundant Power Supply: 1+1	Redundant Power Supply: 1+1
Hot-Swappable Fan Tray: N+1	Hot-Swappable Fan Tray: N+1	Hot-Swappable Fan Tray: N+1

## QuantaMesh T5016-LB8D



A Powerful Top-of-Rack Switch  
for Datacenter

### Physical Ports

Port Configuration	16 40GbE QSFP+ ports
Management Port	OOB port (10/100/1000BASE-T)
Console Port	1 (RJ-45)

### Performance

Switching Capacity	1280Gbps
Maximum Forwarding Rate	952Mpps
Latency	<1.2us
Memory	2GB DDR3
Flash	64MB
MAC	128K
Storage	2GB Micro SD

### High Availability

Redundant Power Supply: 1+1
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# Rack Systems

The exponential growth in compute and storage requirement in datacenters has gone hand in hand with a strong increase in their power consumption over the past few years. In an attempt to keep operating budgets low, QCT has long been committed to providing ways of optimizing datacenter hardware architecture.

QCT rack systems offer revolutionary conventional system design for datacenters. While providing an unequalled level of power efficiency for the most demanding application, rack system modular architectures also offer datacenter the configuration flexibility and exceptional ease to upgrade.

With industry's best engineer team, QCT offers two completely different rack infrastructures in Rackgo X and Rackgo M. Each offers unique features which set benefit to your specific datacenter needs.

## Rackgo<sup>®</sup> M



QCT Rackgo M based on the OCP Open Cloud Server (OCS) specifications contributed by Microsoft<sup>®</sup> is an innovative solution for running business applications that is built to integrate server, storage and networking functionality with technology exchange and heterogeneous management. QCT Rackgo M offers ease, density, availability, affordability and scalability that are central to the blade technology promise. QCT Rackgo M shares the same design concept of blade servers with integrated storage, all in an easy-to-use package that is designed specifically for the office and distributed enterprise environment.

### Infrastructure Introduction

One Rackgo M chassis holds up to 24 compute and storage blades in any combination of your choice with integrated chassis management module in a mere 12U rack space. The chassis centralizes the high efficiency power suppliers (5+1 redundancy) for up to a pool of 8K watt power source, and utilizes large fan walls to reach the operational efficiency beyond the conventional servers currently available in the market.

### A Multiple Option of Blades

QCT Rackgo M offers two different types of blades. MC510 compute blade supports the latest Intel<sup>®</sup> Xeon<sup>®</sup> processor E5-2600 v3 product family to provide unprecedented computing performance. With up to eight 2.5" hard disks (four hot-swap and four fixed), MC510 blade provides astonishing compute and storage integration that is so easy-to-use. MS100 storage blade supports up to ten 3.5" 6TB fixed (non hot-swap) hard disks with the highest storage density in an 1/2U architecture, ideal for Hadoop and distributed software applications.

### Similarity to Blade Server

Furthermore, with both 40Gbps-ready (network) and 12G-SAS-ready (storage) tray backplane design, Rackgo M increases data transfer speed and efficiency across blade servers and networks. The shared single compute/storage tray backplane design and pre-configured rear cables function the same as the blade midplane to help reduce service complexity and allow enterprise businesses to run mission critical applications.

### Network and Storage Cabling Via Backplane Architecture

QCT Rackgo M offers an unique passive backplane for simplicity and signal integrity risk reduction, and architectural flexibility for multiple network types such as 10Gbe/40Gbe Copper/Optical. For any enterprise service teams, no cable touch required helps reduce the TCO during production operations and on-site support.



## MC510 Compute Blade

Open Cloud Server (OCS)  
Inspired Platform



<b>Processor</b>	(2) Intel® Xeon® processor E5-2600 v3 product family
<b>Chipset</b>	Intel® C610
<b>Memory</b>	(16) 2133 MHz DDR4 RDIMM/ LRDIMM
<b>Storage</b>	(4) 2.5" hot-plug, (4) 2.5" fixed SSD
<b>Network Controller</b>	Option 1: Intel® 82599ES dual-port 10GbE SFP+ mezzanine card Option 2: Mellanox® CX3-PRO dual-port 40GbE mezzanine card
<b>Expansion Slot</b>	Option 1: (1) PCIe Gen3 x8 QCT SAS mezzanine slot (1) PCIe Gen3 x8 QCT Network OCS mezzanine slot Option 2: (1) PCIe Gen3 x8 LP MD-2 (1) PCIe Gen3 x8 QCT Network OCS mezzanine slot
<b>Form Factor</b>	Half-width blade

## MS100 Storage Blade

High Density Half-Width  
JBOD with up to 6TB  
Storage Capacity



<b>Controller Module</b>	(1) SAS Interface Modules (SIM)
<b>External I/O Ports</b>	(2) 6Gb/s mini-SAS port
<b>Storage</b>	(10) 3.5" fixed SAS/SATA HDD/SSDs
<b>Form Factor</b>	Half-width blade

# Rackgo X



Rackgo X is a rack solution inspired by the Open Compute Project (OCP, <http://opencompute.org/>) standard. Designed for low CAPEX and OPEX with simplicity, energy and cooling efficiency, high density, serviceability, scalability, and manageability, Rackgo X is ideally suited for cloud service providers and large enterprise datacenters looking for the highest level of efficiency.

Like the LEGO concept, Rackgo X provides modular units to be built on each other. QCT Rackgo X includes four server options, one microserver, one JBOD storage and QuantaMesh network switches as the basic building blocks. Customers can choose components to fit the specific needs of their datacenter applications.



\* All specifications and figures are subject to change without prior notice.

## Rackgo X F06A (4-Node)

High Density 2U 4-Node System with Optimal IO Expansion



<b>Processor</b>	(2) Intel® Xeon® processor E5-2600 v3 product family
<b>Chipset</b>	Intel® C610
<b>Memory</b>	(16) 2133 Mhz DDR4 RDIMM / LRDIMM per node
<b>Drive Bay</b>	(2) 2.5" hot-plug per node
<b>Network</b>	QCT OCP network mezzanine options per node
<b>Controller</b>	*please refer to QCT Mezzanine Card Portfolio on website
<b>Expansion Slot</b>	(2) PCIe Gen3 x8 LP MD-2 per node
<b>Form Factor</b>	(4) nodes in 20U (Open Rack) rackmount

## Rackgo X F06D (4-Node)

Revolutionary Converged Multi-node Infrastructure



<b>Processor</b>	(2) Intel® Xeon® processor E5-2600 v3 product family
<b>Chipset</b>	Intel® C610
<b>Memory</b>	(16) 2133 Mhz DDR4 RDIMM / LRDIMM per node
<b>Drive Bay</b>	(8) 2.5" hot-plug per node
<b>Network</b>	QCT OCP network mezzanine options per node
<b>Controller</b>	*please refer to QCT Mezzanine Card Portfolio on website
<b>Expansion Slot</b>	(1) PCIe Gen3 x8 LP MD-2 per node (1) PCIe Gen3 x8 internal SAS mezzanine option per node
<b>Form Factor</b>	(4) nodes in 20U (Open Rack) rackmount

## Rackgo X F03A (4-Node)

High Density 2U4N System for Maximum Performance



<b>Processor</b>	(2) Intel® Xeon® processor E5-2600, E5-2600 v2 product family
<b>Chipset</b>	Intel® C602
<b>Memory</b>	(16) 1866/1600/1333 MHz DDR3 RDIMM per node
<b>Drive Bay</b>	Option 1: (4) 2.5" hot-plug per node Option 2: (2) 2.5" hot-plug per node
<b>Network</b>	QCT Mellanox® ConnectX-3 dual-port 10G SFP+ mezzanine card per node (optional)
<b>Controller</b>	
<b>Expansion Slot</b>	Option 1: (1) PCIe Gen3 x8 LP MD-2 per node Option 2: (2) PCIe Gen3 x8 LP MD-2 per node
<b>Form Factor</b>	(4) nodes in 20U (Open Rack) Rackmount

## Rackgo X F03C (3-Node)

2U3N Design is Ideally for the Balance Workload and Flexible IO Options



<b>Processor</b>	(2) Intel® Xeon® processor E5-2600, E5-2600 v2 product family
<b>Chipset</b>	Intel® C602
<b>Memory</b>	(16) 1866/1600/1333 MHz DDR3 RDIMM per node
<b>Drive Bay</b>	(1) 3.5" fixed SATA per node
<b>Network</b>	QCT Intel® 82599ES dual-port 10G SFP+ mezzanine card per node (optional)
<b>Controller</b>	
<b>Expansion Slot</b>	(2) PCIe Gen3 x8 LP MD-2 per node
<b>Form Factor</b>	(3) nodes in 20U (Open Rack) Rackmount

## Rackgo X S1M (42-Node)

World's Densest 42-Node Microserver System



<b>Processor</b>	(1) Intel® Atom™ processor C2000 product family
<b>Chipset</b>	Intel® Atom™ processor C2000 SoC
<b>Memory</b>	(4) 1333/1067 MHz DDR3 ECC SODIMM per node
<b>Storage</b>	(1) mSATA connector per node
<b>Network</b>	Intel® Atom™ processor C2000 SoC 2.5 Gb per node
<b>Controller</b>	node
<b>Form Factor</b>	20U (Open Rack) rackmount

## Rackgo X JBFA

High Density 2U JBOD with Tool-less Tray Design



<b>Controller Module</b>	(2) SAS Interface Modules (SIM)
<b>External I/O Ports</b>	(2) 12Gb/s mini-SAS port per SIM
<b>Storage</b>	(30) 3.5" and 2.5" SAS/SATA hot-pluggable HDDs
<b>Management Port</b>	(1) OCP debug management port
<b>Fan</b>	(6) Hot-swappable dual roter fan modules per system
<b>Form Factor</b>	20U (Open Rack) Rackmount

## Rackgo X JBR

High Density 2U JBOD with Tool-less Tray Design



<b>Controller Module</b>	(2) SAS Interface Modules (SIM)
<b>External I/O Ports</b>	(2) 6Gb/s mini-SAS port per SIM
<b>Storage</b>	(28) 3.5" or 2.5" hot-plug SAS/SATA HDD/SSDs
<b>Management Port</b>	(1) OCP debug management port
<b>Fan</b>	(6) Hot-swappable dual roter fan modules per system
<b>Form Factor</b>	20U (Open Rack) rackmount

To help customers get started with the Rackgo X rack solution quickly, QCT offers three rack architectures to suit different types of workloads. Datacenter customers can choose from the three rack configurations or build their own racks.



### X300

#### Compute Intensive

- 64 compute nodes
- 2 power zones
- 1052 kg



### X500

#### Storage Intensive

- 14 compute nodes
- 14 storage nodes
- 392 HDD/1.56PB
- 1 power zone
- 1108 kg



### X700

#### Balanced workloads

- 24 compute nodes
- 12 storage nodes
- 336 HDD/1.34PB
- 1 power zone
- 1086 kg

\* All specifications and figures are subject to change without prior notice.



## About QCT

QCT (Quanta Cloud Technology) is a global datacenter solution provider extending the power of hyperscale datacenter design in standard and open SKUs to all datacenter customers.

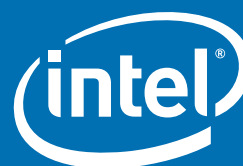
Product lines include servers, storage, network switches, integrated rack systems and cloud solutions, all delivering hyperscale efficiency, scalability, reliability, manageability, serviceability and optimized performance for each workload.

QCT offers a full spectrum of datacenter products and services from engineering, integration and optimization to global supply chain support, all under one roof.

The parent of QCT is Quanta Computer Inc., a Fortune Global 500 technology engineering and manufacturing company.

<http://www.QuantaQCT.com>

v5.0



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Found at: [www.QuantaQCT.com/wheretobuy](http://www.QuantaQCT.com/wheretobuy)

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