

# STRATOS S215 Series S215-X1M2Z

OCP, AMD Open 3.0  
Compliant 1U Server



# Quanta®

The QCT STRATOS S215-X1M2Z is a versatile and reliable 1U server based on Open Compute Project (OCP), AMD Open 3.0 Modular Server architecture. It is designed for financial services, enterprise applications, HPC, and storage processing workloads.

### **Up to 32 Cores/ 2 Sockets, High Processing Power in 1U Chassis**

The QCT STRATOS S215-X1M2Z is optimized for demands of the computing-constrained datacenter environments. It supports up to two 16-core AMD Opteron™ 6200/ 6300 series processors, providing the highest core density and computing power to handle multi-threaded workloads such as cloud computing, High Performance Computing (HPC), database, and real-time financial transactions. 24 DIMM slots offer up to 768GB of memory capacity.

### **Open-Standard Server Management**

The QCT STRATOS S215-X1M2Z uses Boardcom's TruManage technology which is built on a scalable Ethernet controller architecture that combines highly optimized hardware, firmware, and software to enable extremely low power and cost-effective management for in-band, out-of-band, and out-of-service environments.

### **Flexible I/O Scalability**

The QCT STRATOS S215-X1M2Z provides flexible I/O scalability for datacenters' diverse applications. It supports 4x 3.5" or 10x 2.5" hard drive bays for HDDs/SSDs, 2x GbE RJ45 ports, plus two standard PCIe x8 slots and one x8 mezzanine slot for OCP mezzanine adaptor.

### **About Quanta Cloud Technology (QCT)**

Quanta Cloud Technology (QCT) provides advanced hardware systems to cloud datacenters worldwide. Product lines include servers, storage, network switches, and integrated rack systems. QCT customers want the same innovative cloud hardware technology in use by hyperscale cloud datacenter operators, but in off-the-shelf SKUs with global services. QCT sells cloud hardware that delivers hyperscale performance, efficiency and advanced engineering, with flexible product configuration, rack integration, performance tuning and engineering consulting services to help customers deploy optimized cloud solutions for their unique cloud workloads.

QCT's parent is Quanta Computer, Inc., a Fortune Global 500 company with more than 100,000 employees located at engineering, manufacturing and services facilities worldwide. <http://www.QuantaQCT.com>



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<b>Form Factor</b> ( L x W x H )	1U chassis 744.2mmx 438mm x 43.2mm 29.3" x 17.24" x 1.7"
<b>MB Size</b> ( W x L )	16.7" x 16", 12 Layer
<b>Processor</b>	(2) AMD Opteron™ 6200/6300 product processors, up to 140W TDP
<b>Chipset</b>	AMD SR5670 + SP5100
<b>Memory</b>	(24) DDR3 1066/1333/1600 MHz ECC UDIMM/RDIMM/LRDIMM slots
<b>Storage</b>	(4) 3.5" hot-plug HDD/SSD bays or (10) 2.5" hot-plug HDD/SSD bays
<b>Onboard Storage Device</b>	(6) SATA 3Gbps connectors signal from SP5100
<b>HDD Backplane</b>	1 to 1 or expander
<b>PCIe Expansion Slot</b>	(2) PCIe Gen2 x8 slots (1) PCIe Gen2 x8 mezzanine slot for OCP mezzanine cards
<b>SW RAID Options</b>	QCT LSI SAS 2008 for RAID 0/1/10 (optional) QCT LSI SAS 2308 + LSI RAID 6 Key for RAID 0/1/10 (optional)
<b>HW RAID Options</b>	QCT LSI SAS 2108 PD mezzanine card for RAID 0/1/10/5 (optional) QCT LSI SAS 2108 PD mezzanine card + LSI RAID 6 Key for RAID 0/1/10/5/6/50/60 (optional) QCT LSI SAS 2208 PD mezzanine card for RAID 0/1/10/5 (optional) QCT LSI SAS 2208 PD mezzanine card + LSI RAID 6 Key for RAID 0/1/10/5/6/50/60 (optional)
<b>Network</b>	(2) Broadcom 5720 GbE RJ45 ports (1) OCP network card expansion slot (optional)
<b>Management Port</b>	(1) Dedicated GbE management port with lite BMC via BCM5725
<b>Integrated Graphics (BMC)</b>	Aspeed AST2300 8MB DDR3 video memory as AMD Horned Toad IMC module (optional)
<b>Rear I/O</b>	(2) USB 2.0 ports (2) GbE RJ45 ports (1) GbE RJ45 management port (1) OCP debug port
<b>Power Supply</b>	(2) High efficiency redundant 470/750W PSUs, 80plus gold
<b>TPM</b>	Yes (optional)
<b>RoHS</b>	Yes

<b>System Management</b>	IPMI v2.0 compliant. OCP Open Management via Broadcom 5725 KVM support required optional IMC module
<b>Operating Environment</b>	Operating temperature: 5°C to 35°C (41°F to 95°F) Non-operating temperature: -40°C to 65°C (-40°F to 149°F) Operating relative humidity: 50% to 85%RH Non-operating relative humidity: 20% to 90%RH
<b>L10 Weight</b>	24 Kg



QCT LLC.  
47709 Fremont Boulevard, Fremont CA 94538  
E-mail: sales@QuantaQCT.com  
Main: +1-510-270-6111 Fax: +1-510-270-6161 Support: +1-510-270-6216  
Toll Free: 1-855-QCT-MUST  
For more information, please visit <http://www.QuantaQCT.com>  
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