

STRATOS S210 Series S210-X2A2J

Incredible Parallel Computing Power



Quanta

Product Highlights

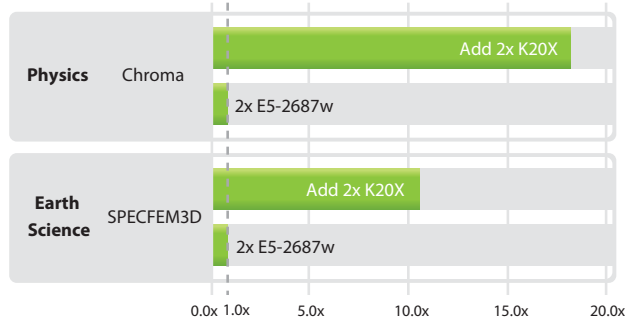
- Supports up to 4 x NVIDIA GPUs or 4 x Intel® Xeon Phi™ coprocessors
- Provides great performance on highly parallel applications
- End-to-End 56Gb/s InfiniBand Networking
- Front-access hot-swappable fans for easy serviceability

Setting up one simple management server with scalable high performance capability is the right way to go for an extremely high performance, demanding company with a constrained IT budget. The Quanta S210-X2A2J equipped with up to 4x NVIDIA GPUs or Intel® Xeon Phi™ coprocessors can significantly enhance performance by using parallel computing power for various applications, such as Oil & Gas, Defense, Financial Service, Research, Manufacturing, Media & Entertainment, etc.

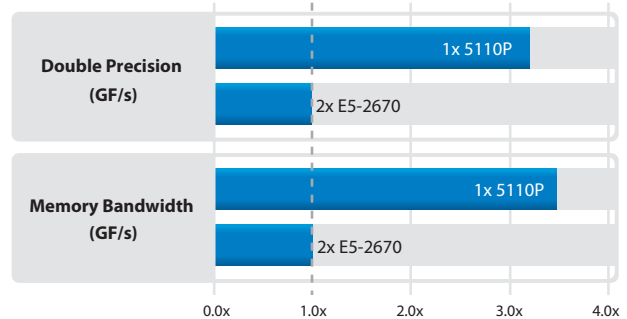
Accelerate Computational Research

To survive in a competitive world, getting computing results more precisely and quickly is a critical factor for success in all industries. Quanta S210-X2A2J supports the latest NVIDIA Tesla GPU accelerators. As an example, when the K20 GPU accelerator is added to S210-X2A2J, CUDA-enabled applications are typically accelerated up to 10x. In terms of coprocessors, adding an Intel® Xeon Phi™ 5110P can get up to 3.2x higher peak floating-point operations per second (FLOPS) compared to 2x Intel® Xeon® E5-2670 processors.

NVIDIA Tesla K20X



Intel® Xeon Phi™ 5110P



Great enterprise 3D VDI experience

Within a virtual desktop environment, the NVIDIA GRID GPUs in S210-X2A2J offers users excellent VDI experience with instant data access on any device, anytime, and anywhere. In addition to accessibility advantages, VDI provides enterprises with high-security IP protection. Furthermore, NVIDIA GRID is on the forefront for enabling smooth 3D virtual desktop which can not be achieved in traditional VDI.

Enhanced Networking Ability

The STRATOS S210-X2A2J network choices include 2x Ethernet and 1x QDR or FDR InfiniBand connectivity. It provides End-to-End 56Gb/s InfiniBand networking which performs at extreme speed to transfer big data in public or private cloud.

Front-access hot-swappable fan design

Considering the easier serviceability to replace fans, S210-X2A2J employs front-access fans with Quanta's unique hot-swappable design. There is no need to shut down, uncover the chassis, or disconnect the fan power cable; it is easy to swap the fan directly.

STRATOS S210 Series S210-X2A2J



Form Factor (L x W x H)	2U Chassis 731 x 438 x 87.1 mm 28.8" x 17.25" x 3.43"
MB Size (W x L)	480 x 173 mm 19" x 6.8"
Processor	(2) Intel® Xeon® processor E5-2600 v2 product family
Chipset	Intel® C602 chipset
Memory	(16) DDR3 800/1066/1333/1600/1866MHz RDIMM slots
Drive Bay	(4) 2.5" hot-plug SATA hard drive bays
Onboard Storage Device	(1) miniSAS connector signals from Intel® C602 chipset (1) SATA connector for optional SATADOM
HDD Backplane	1 to 1
PCIe Expansion Slot	(4) PCIe Gen3 x16 slots for NVIDIA Tesla GPU accelerator: M2090/K10/K20/K20X NVIDIA GRID GPUs: K1/K2 Intel® Xeon Phi™ coprocessor: 7120P/5110P/3120P <i>Note: for Latest NVIDIA GPUs or Intel® Xeon Phi™ coprocessors support list, pls visit website http://www.quantaqct.com/</i>
Network	(2) Intel® Powerville I350 GbE RJ45 ports (1) Mellanox CX3 Infiniband QDR or FDR QSFP+ port
Management Port	Share NIC GbE10/100 Mbps for management on NIC1
Integrated GraphicsSupport	Aspeed AST2300 8MB DDR3 video memory
Rear I/O	(2) USB 2.0 ports (1) VGA port (2) GbE RJ45 ports (1) Infiniband QDR or FDR QSFP+ port
Power Supply	(1) 1600W high efficiency PSU, 80+ Platinum, 200-240VAC 50/60Hz (1) 1600W high efficiency redundant PSU, 80+ Platinum, 200-240VAC 50/60Hz (optional)
RoHS Compliance	Yes
Intel® Node Management Support	Yes

System Management	IPMI v2.0 compliant, on board "KVM over IP" support
Operating Environment	Operating temperature: 10°C to 35°C (50°F to 95°F) Non-operating temperature: -40°C to 70°C (-40°F to 158°F) Operating relative humidity: 50% to 90%RH. Non-operating relative humidity: 20% to 95%RH



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