STRATOS S810 Series
S810-X52LR

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

Quanta

Designed for applications that require highly available cluster configuration, the STRATOS S810-X52LR is a 2U 2-node Cluster-in-a-Box server. Two server nodes are clustered via a GbE interconnection and share 12 disk drives in a 2U chassis. Each node is equipped with two Intel® Xeon® processor E5-2600 product family and 16 DIMM slots. Its CiB and shared storage design simplifies cable management and saves rack space by eliminating the need for external shared storage. In addition, the shared infrastructure design provides excellent power and cooling efficiency, as well as infrastructure investment savings.

Cluster-in-a-Box and shared storage design offers high density, high availability, simplified cable management, and energy savings

Two server nodes are interconnected with a heartbeat channel and can be configured as an active/active cluster for applications demanding high availability. Both nodes share the same in-chassis storage, offering space and complexity reductions compared to traditional clustered solutions that require external shared disk enclosure, numerous network cables, and complex system configurations.

Shared infrastructure design delivers energy & cooling efficiency

Both server nodes share the same chassis, redundant power supplies, and fan modules, which delivers energy and cooling efficiency, as well as infrastructure investment savings.

Enhanced I/O Scalability and Flexibility

The STRATOS S810-X52LR provides flexible and scalable I/O configurations. Its onboard network offers dual GbE or dual 10GbE RJ45 port options. Expansion options include (I) one standard PCIe slot plus one PCIe mezzanine slot for SAS/RAID or 10GbE SFP+ adaptor or (II) three standard PCIe slots.

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Form Factor (L x W x H)	X5 (2U chassis) 774.7mm x 447mm x 87.3mm 30.5" x 17.6" x 3.44" Net Weight : 22.5kg(49.6lb)
MB Size (W x L)	6.5" x 19.38" (half-width)
Processor	(2) Intel® Xeon® processor E5-2600 product family per node
Chipset	Intel® C602 Chipset
Memory	(16) DDR3 1333/1600Mhz ECC RDIMM/ LRDIMM slots per node
Disk Drive Bay	(12) 2.5" or 3.5" SASII hot-plug HDD/SSD bays per system (2) 2.5" internal SATA HDD/SSD bays for OS installation per node(optional)
Raw Capacity	Up to 48TB of internal capacity and can expand another 240TB externally with (1) Quanta MESOS M4600H disk enclosure
PCIe Expansion Slot	**<1PCIe + 1Mezz SKU>** (1) PCIe G3 x8 riser slot and (1) Mezz slot per node **<3PCIe SKU>** (3) PCIe G3 x8 riser slots per node Note: If using internal SATA disks with the hard drive bracket, one PCIe slot will not be accessible
Network	(2) Intel® I350 GbE RJ45 ports per node or (2) Intel® X540 10G BASE-T RJ45 ports per node
Node Interconnection	Intel® I350AM2 (SerDes x1)
Management Port	(1) dedicated 10/100BASE-TX RJ45 management port per node
Hardware Management	IPMI v2.0 compliant, on board "KVM over IP" support
Integrated Graphics (BMC)	Aspeed AST2300 8MB DDR3 video memory
Rear I/O	(2) USB 2.0 ports per node (1) VGA port per node (1) RS232 serial port per node (2) GbE or 10G BASE-T RJ45 ports per node (1) 10/100 BASE-T RJ45 management port per node (1) External Mini-SAS port per node

Power Supply	(2) 1100W high efficiency 80 plus platinum redundant PSUs, 100-240VAC 50/60Hz
OS supported	Windows Storage Server 2012, VMWare, Ubuntu, Red Hat, Solaris
RoHS	Yes
Operating Environment	Operating temperature: 10℃ to 35℃ (50°F to 95°F) Non-operating temperature: -40℃ to 70℃ (-40°F to 158°F) Operating relative humidity: 50% to 90%RH Non-operating relative humidity: 20% to 95%RH

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