

STRATOS S100 Series S100-X1S1N

Compact 1U Server with
Extra Storage Expandability



The Quanta STRATOS S100-X1S1N is a one-socket 1U server tailored for applications requiring large local storage in space-constrained datacenters. It supports up to twelve drive bays in a compact 22.5" deep 1U chassis.

Energy Efficiency without Compromising Performance

Based on the latest energy-efficient Intel® Xeon® processor E3-1200 v3 product family, the new Integrated VRM module can precisely control power consumption of each computing core, graphics core, system agent, and interconnection buses within the chip independently.

Large Disk Capacity

The 2.5" disk SKU supports 10x 2.5" hot swappable SATA/SAS drives bays and 2 additional fixed 2.5" HDD/SSDs. The 3.5" disk SKU supports 4x 3.5" or 2.5" hot swappable SATA/SAS drives bays and 2 additional fixed 2.5" SSDs.

Flexible I/O Scalability

The Quanta STRATOS S100-X1S1N provides flexible I/O scalability for datacenters' diverse applications. In addition to various disk options and expandability, it supports two GbE RJ45 ports and two PCIe x8 slots for potential I/O expansion.

Quanta, Leading Datacenter Solution Provider

For years, Quanta has successfully developed and customized its advanced engineered products for enterprise datacenters, service providers, and top-tier multinational firms worldwide. Based on the rich experiences, Quanta is dedicated on development of "best Performance-per-Watt and per-Dollar" solutions to fulfill ever-growing datacenter demands for all budgets. The STRATOS S100 series servers are designed for large/medium-size datacenters & cloud service providers with lower CAPEX, OPEX, and satisfying overall performance.

Quanta®



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Form Factor (L x W x H)	X1S (1U Chassis) 57.15mm x 438mm x 43.2mm 22.5" x 17.24" x 1.7"	Rear I/O	(2) USB 2.0 ports (1) VGA port (1) RS232 serial port (2) GbE RJ45 ports (1) 10/100 RJ45 management port (2) 10GbE SFP+ ports (optional)
MB Size (W x L)	9.6" x 9.6", 4 Layer	Power Supply	(1) High efficiency 400W PSU, 80plus gold
Processor	(1) Intel® Xeon® processor E3-1200 v3 product family	TPM	Yes (optional)
Chipset	Intel® C222 chipset	RoHS	Yes
SAS Controller	[LSI SAS controller] <SAS 6G> Quanta LSI SAS 2008/2308 mezzanine card (optional) Quanta LSI SAS 2108/2208 mezzanine card (optional)	Intel Node Management Support	N/A
Memory	(4) DDR3 1333/1600MHz ECC UDIMM slots	System Management	IPMI v2.0 compliant, on board "KVM over IP" support
System Drive Bay	<3.5" chassis sku only> (4) 3.5" or 2.5" SATA/SAS hot-plug HDD/SSD bays (2) 2.5" SATA/SAS fixed HDD bays (2) 2.5" SATA fixed SSD bays <2.5" chassis sku only> (10) 2.5" SATA/SAS hot-plug HDD/SSD bays (2) 2.5" SATA/SAS fixed HDD bays	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
Onboard Storage Device	(2) SATA 6Gbs connectors signal from Intel® C222 (4) SATA 3Gbs connectors signal from Intel® C222 (one can be used for optional SATADOM)		
HDD Backplane	1 to 1		
PCIe Expansion Slot	(2) PCIe G3 x8 mezzanine slots (x 8 signals) for Quanta LSI SAS and 10GbE SFP+ mezzanine cards		
SW RAID Options	[Intel® SW RAID] Intel® RSTe SATA RAID 0/1/10 or [LSI SW RAID] Quanta LSI SAS 2008 for RAID 0/1/10 (optional) Quanta LSI SAS 2308 for RAID 0/1/10 (optional)		
HW RAID Options	Quanta LSI SAS 2108 PD-8 mezzanine card for RAID 0/1/10/5/50 (optional) Quanta LSI SAS 2208 PD-8 mezzanine card for RAID 0/1/10/5/50 (optional)		
Network	(2) Intel® I210 GbE RJ45 ports (1) Quanta 10GbE SFP+ dual port mezzanine card (optional)		
Management Port	(1) Dedicated 10/100 BASE-T RJ45 management port		
Integrated Graphics (BMC)	Aspeed AST2300 8MB DDR3 video memory		



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