

S251-300

Storage Server - 2U UP 26-Bay



Features

- 2nd Gen. Intel® Xeon® Scalable Processors
- Intel® Xeon® W-3200 Processor Family
- 6-Channel RDIMM/LRDIMM DDR4, 8 x DIMMs
- Supports Intel® Optane™ Persistent Memory
- Dual 1Gb/s LAN ports (Intel® I210-AT)
- 1 x Dedicated management port
- 24 x 3.5" SAS/SATA hot-swappable HDD/SSD bays
- 2 x 2.5" SATA hot-swappable HDD/SSD bays
- 1 x Ultra-Fast M.2 and with PCIe Gen3 x4 bandwidth
- 7 x PCIe Gen3 low profile expansion slots
- 1+1 1300W 80 PLUS Platinum redundant power supply

Specification

Dimensions	2U (W438 x H87 x D880 mm)	Backplane I/O	Left Side: CBPD2C0: 12 x 3.5" SAS/SATA ports with expander Right Side: CBPD2C1: 12 x 3.5" SAS/SATA ports Rear Side: CBPD020: 2 x 2.5" NVMe/SATA hybrid ports
Motherboard	MU71-SU0	TPM	1 x TPM header with SPI interface Optional TPM2.0 kit: CTM010
CPU	2nd Generation Intel® Xeon® Scalable Processors Intel® Xeon® W-3200 Processor Family	Power Supply	1+1 1300W 80 PLUS Platinum redundant power supply
Socket	1 x LGA 3647, Socket P	System Management	Aspeed® AST2500 management controller GIGABYTE Management Console (AMI MegaRAC SP-X)
Chipset	Intel® C621 Express Chipset	OS Compatibility	Windows Server 2012 R2 with Update / 2016 / 2019 RHEL 6.9 (x64) / 7.3 (x64) / 8.0 (x64) or later SLES 12.3 (x64) / 15 (x64) or later Ubuntu 18.04 LTS (x64) / 20.04 LTS (x64) VMware ESXi 6.0 Update3 / 6.5 / 6.7 / 7.0 or later Citrix XenServer 7.1.0 CU2 / 7.4.0 / 8.0.0 or later
Memory	6-channel DDR4 memory, 8 x DIMM slots RDIMM/LRDIMM modules up to 128GB supported Supports Intel® Optane™ Persistent Memory (PMem) 1.2V modules: 2933/2666/2400/2133 MHz	Weight	Net Weight: 22.2 kg / Gross Weight: 30.5kg
LAN	2 x 1Gb/s LAN ports (Intel® I210-AT) 1 x 10/100/1000 management LAN	System Fans	6 x 60x60x38mm hot-swappable fan modules
Video	Integrated in Aspeed® AST2500 2D Video Graphic Adapter with PCIe bus interface 1920x1200@60Hz 32bpp, DDR4 SDRAM	Operating Properties	Operating temperature: 10°C to 35°C Operating humidity: 8-80% (non-condensing) Non-operating temperature: -40°C to 60°C Non-operating humidity: 20%-95% (non-condensing)
Storage	Side-accessed: 24 x 3.5" SAS/SATA hot-swap HDD/SSD bays LSI SAS35x36R expander Rear Side: 2 x 2.5" SATA hot-swap HDD/SSD bays Default supports: 2 x SATA drives in rear side Recommend optional SAS cards: CRA4448, CSA4648	Packaging Dimensions	1092 x 664 x 289 mm
SATA	Supported	Packaging Content	1 x S251-300, 1 x CPU heatsinks, 1 x Rail kit, 2 x Non-Fabric CPU carrier
SAS	Supported via add-on SAS Card	Reference Numbers	Barebone package: 6NS251300MR-00 - Motherboard: 9MU71SU0NR-00 - Rail kit: 25HB2-A66121-C0R - CPU heatsink: 25ST1-353105-T1R - Back plane board_12-port_L_Side: 9CBPD2C0NR-00 - Back plane board_12-port_R_Side: 9CBPD2C1NR-00 - Back plane board_2-port_rear_Side: 9CBPD020NR-00 - Power supply: 25EP0-213001-F3S - Optional 2-port NVMe card : 9CNV3022NR-00 - Optional 12Gb/s SAS H/W RAID card : 9CRA4448NR-00 - Optional 12Gb/s SAS S/W RAID card : 9CSA4648NR-00
RAID	Depends on RAID card		
Expansion Slots	7 x low profile PCIe Gen3 expansion slots 1 x M.2 slot: M-key, PCIe Gen3 x4, supports NGFF-2280 cards		
Internal I/O	1 x M.2 slot, 1 x CPU fan header, 6 x System fan headers, 1 x USB 3.0 header, 1 x TPM header, 1 x VROC connector, 1 x Front panel header, 1 x Buzzer		
Front I/O	2 x USB 3.0		
Rear I/O	4 x USB 3.0, 1 x VGA, 1 x COM, 2 x RJ45, 1 x MLAN		

* All specifications are subject to change without notice. Please visit our website for the latest information.

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