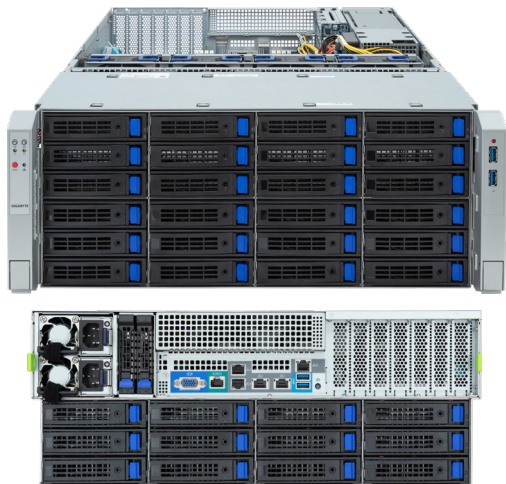


S453-S70-AAV1

Storage Servers - 4U DP 36+2-Bay SATA/SAS



Features

- 4th Gen Intel® Xeon® Scalable Processors
- Intel® Xeon® CPU Max Series
- Dual processor, LGA 4677
- 8-Channel RDIMM DDR5 per processor, 16 x DIMMs
- 2 x 10Gb/s LAN and 2 x 1Gb/s LAN ports
- 1 x Dedicated management port
- 24 x 3.5"/2.5" SATA/SAS hot-swappable bays on front side
- 12 x 3.5"/2.5" SATA/SAS hot-swappable bays on rear side
- 2 x 2.5" SATA/SAS bays on rear side for boot drives
- SAS expander with 12Gb/s transfer speed
- 2 x M.2 slots with PCIe Gen4 x4 interface
- 6 x LP PCIe Gen5 x16 slots
- Dual 1600W (240V) 80 PLUS Titanium redundant power supply

Specification

Dimensions	4U (W482.6 x H177 x D625 mm)	Rear I/O	2 x USB 3.2 Gen1, 1 x VGA, 1 x COM, 4 x RJ45, 1 x MLAN
Motherboard	MS73-HB0	Backplane I/O	Front side - CBPD400: SATA 6Gb/s or SAS 12Gb/s Rear side - CBP2021: SATA 6Gb/s or SAS 12Gb/s Rear side - CBPD0C0: SATA 6Gb/s or SAS 12Gb/s
CPU	4th Generation Intel® Xeon® Scalable Processors Intel® Xeon® CPU Max Series Intel® Xeon® Platinum Processor, Intel® Xeon® Gold Processor, Intel® Xeon® Silver Processor Dual processor, CPU TDP <= 270W	TPM	1 x TPM header with SPI interface Optional TPM2.0 kit: CTM010
Socket	2 x LGA 4677 (Socket E)	Power Supply	2 x 1600W 80 PLUS Titanium redundant power supply AC Input: 100-240V
Chipset	Intel® C741 Chipset	System Management	Aspeed® AST2600 management controller GIGABYTE Management Console (AMI MegaRAC SP-X)
Memory	8-Channel DDR5 memory per processor, 16 x DIMM slots RDIMM modules up to 128GB supported 3DS RDIMM modules up to 256GB supported Memory speed: Up to 4800 MHz	OS Compatibility	Windows Server 2019 / 2022 RHEL 8.4 / 8.5 / 8.6 / 8.7 / 9.0 / 9.1 (x64) SLES 15 SP3 / 15 SP4 (x64) Ubuntu 22.04 LTS / 22.04.1 LTS (x64) VMware ESXi 7.0 Update 3i / 8.0
LAN	2 x 10Gb/s LAN ports (1 x Intel® X710-AT2) 2 x 1GbE LAN ports (2 x Intel® I210-AT) NCSI function supported (by switch setting) 1 x 10/100/1000 management LAN	System Fans	4 x 80x80x38mm (16,300rpm) 4 x 80x80x38mm (9,000rpm)
Video	Integrated in Aspeed AST2600 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	Front side: 24 x 3.5"/2.5" SATA/SAS hot-swappable bays Rear side: 12 x 3.5"/2.5" SATA/SAS hot-swappable bays 2 x 2.5" SATA/SAS bays for boot drives 1 x Broadcom SAS35x48 expanders SAS card is required to enable the drive bays	Packaging Content	1 x S453-S70, 2 x CPU heatsinks, 6 x Carrier clips, 1 x Rail kit
Expansion Slots	6 x PCIe Gen5 x16 Low-profile slots 2 x M.2 slots (M-key, PCIe Gen4 x4, supports 2280/22110)	Reference Numbers	Barebone package: 6NS453S70MR000AAV1* - Motherboard: 9MS73HB0NR-000 - Rail kit: 25HB2-3A6104-IOR - CPU heatsink: 25ST1-323208-A0R - Power supply: 25EP0-21600D-G1S - C19 power cord 250V/16A (EU): 25CP3-01830H-Q0R (optional)
Front I/O	2 x USB 3.2 Gen1		



Learn more about GIGABYTE server, visit <https://www.gigacomputing.com>

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