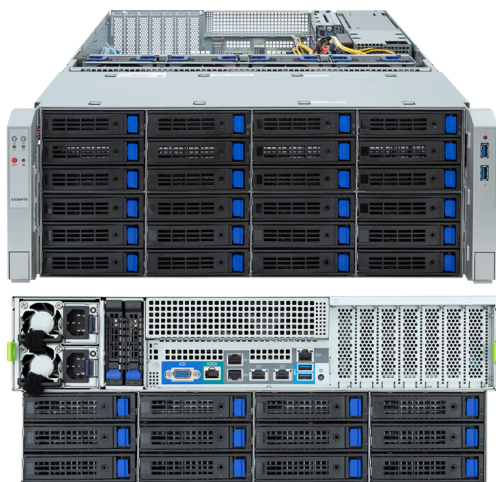


S453-S70-AAV1

Storage Server - 5th/4th Gen Intel® Xeon® Scalable - 4U DP 36+2-Bay SATA/SAS



Key Features

- Dual 5th/4th Gen Intel® Xeon® Scalable Processors
- 8-Channel DDR5 RDIMM, 16 x DIMMs
- 2 x 10 Gb/s LAN ports via Intel® X710-AT2
- 2 x 1 Gb/s LAN ports via Intel® I210-AT
- 24 x 3.5"/2.5" SATA/SAS hot-swap bays on the front side
- 12 x 3.5"/2.5" SATA/SAS hot-swap bays on the rear side
- 2 x 2.5" SATA/SAS bays on the rear side for boot drives
- SAS expander with 12 Gb/s transfer speed
- 2 x M.2 PCIe Gen4 x4
- 6 x LP PCIe Gen5 x16
- Dual 1600 W 80 PLUS Titanium redundant power supply

Applications

Storage Server...

Specification

Dimensions	4U (W482.6 x H177 x D625 mm)	PCIe Expansion Slots	6 x LP PCIe Gen5 x16
Motherboard	MS73-HB0	I/O Ports	Front: 2 x USB 3.2 Gen1 Rear: 2 x USB 3.2 Gen1, 1 x VGA, 4 x RJ45, 1 x MLAN
CPU	5th Generation Intel® Xeon® Scalable Processors 4th Generation Intel® Xeon® Scalable Processors Dual processor, TDP up to 270 W	Backplane Board	Front - CBPD400: SATA 6 Gb/s or SAS 12 Gb/s Rear - CBP2021: SATA 6 Gb/s or SAS 12 Gb/s Rear - CBPD0C0: SATA 6 Gb/s or SAS 12 Gb/s
OS Compatibility	OS Support List	TPM	1 x TPM header (SPI), Optional TPM 2.0 kit: CTM010
Socket	2 x LGA 4677 (Socket E)	Power Supply	Dual 1600 W 80 PLUS Titanium redundant power supply AC Input: 100-240 V
Chipset	Intel® C741	System Management	ASPEED® AST2600 Baseboard Management Controller GIGABYTE Management Console web interface
Memory	8-Channel DDR5 RDIMM, 16 x DIMMs [5th Gen Intel Xeon] Up to 5600 MT/s [4th Gen Intel Xeon] Up to 4800 MT/s	System Fans	4 x 80x80x38mm
LAN	2 x 10 Gb/s LAN (1 x Intel® X710-AT2), Support NCSI 2 x 1 Gb/s LAN (2 x Intel® I210-AT), Support NCSI 1 x 10/100/1000 Mb/s Management LAN	Operating Properties	Operating: 10°C to 35°C, 8% to 80% (non-condensing) Non-operating: -40°C to 60°C, 20% to 95% (non-condensing)
Video	Integrated in ASPEED® AST2600 - 1 x VGA port	Packaging Content	1 x S453-S70-AAV1 2 x CPU heatsinks 6 x Carriers 1 x 3-Section Rail kit
Storage	Front hot-swap: 24 x 3.5"/2.5" SATA/SAS [1] Rear hot-swap: 12 x 3.5"/2.5" SATA/SAS [1] 2 x 2.5" SATA/SAS [2], for boot drives Internal M.2: 2 x M.2 (2280/22110), PCIe Gen4 x4 [1] Storage card is required to enable SATA and SAS drives. - Broadcom SAS35x48 expander - Bandwidth: SATA 6 Gb/s or SAS 12 Gb/s per port [2] Additional SAS card is required for SAS support on boot drives.	Ordering Part Numbers	6NS453S70MR000ABV1*
RAID	Require RAID add-in cards Onboard VROC key header	Optional Parts	- 2000 W power supply (GosPower): 25EP0-22000L-G1S - 2000 W power supply (LITEON): 25EP0-22000M-L0S



Learn more at: <https://www.gigabyte.com/Enterprise>

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

* All trademarks and logos are the properties of their respective holders.

© 2026 Giga Computing Technology Co., Ltd. All rights reserved.

Last updated: Apr 15, 2026

Designed by

