

# S453-S70-AAV1

Storage Server - 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 10Gb/s LAN ports via Intel® X710-AT2
- 2 x 1Gb/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 12Gb/s transfer speed
- 2 x M.2 slots with PCIe Gen4 x4 interface
- 6 x LP PCIe Gen5 x16 slots
- Dual 1600W 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	<b>Front:</b> 2 x USB 3.2 Gen1 <b>Rear:</b> 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 270W	Backplane Board	<b>Front - CBPD400:</b> SATA 6Gb/s or SAS 12Gb/s <b>Rear - CBP2021:</b> SATA 6Gb/s or SAS 12Gb/s <b>Rear - CBPD0C0:</b> SATA 6Gb/s or SAS 12Gb/s
OS Compatibility	<a href="#">OS Support List</a>	TPM	1 x TPM header (SPI), Optional TPM2.0 kit: CTM010
Socket	2 x LGA 4677 (Socket E)	Power Supply	Dual 1600W 80 PLUS Titanium redundant power supply AC Input: 100-240V
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 (16,300rpm)
LAN	2 x 10Gb/s LAN (1 x Intel® X710-AT2), Support NCSI 2 x 1Gb/s LAN (2 x Intel® I210-AT), Support NCSI 1 x 10/100/1000 Mbps 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	<b>Front hot-swap:</b> 24 x 3.5"/2.5" SATA/SAS <sup>[1]</sup> <b>Rear hot-swap:</b> 12 x 3.5"/2.5" SATA/SAS <sup>[1]</sup> 2 x 2.5" SATA/SAS <sup>[2]</sup> , for boot drives <b>Internal M.2:</b> 2 x M.2 (2280/22110), PCIe Gen4 x4 <sup>[1]</sup> Storage card is required to enable SATA and SAS drives. - Broadcom SAS35x48 expander - Bandwidth: SATA 6Gb/s or SAS 12Gb/s per port <sup>[2]</sup> 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	- 2000W power supply (GosPower): 25EP0-22000L-G1S - 2000W 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.

© 2025 Giga Computing Technology Co., Ltd. All rights reserved.

Designed by

