S453-Z30-AAV1

Storage Server - 4U UP 36+2-Bay SATA/SAS

AMD EPYC   **80 PLUS TITANIUM**

Key Features

- Single AMD EPYC™ 9004 Series Processors
- 12-Channel DDR5 RDIMM, 24 x DIMMs
- 2 x 10Gb/s LAN ports via Broadcom® BCM57416
- 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
- 1 x M.2 slot with PCIe Gen4 x4 interface
- 4 x LP PCIe Gen5 x16 slots
- Dual 1600W 80 PLUS Titanium redundant power supply

Applications

Storage Server, Networks Server...

Specification

Dimensions	4U (W482.6 x H177 x D625 mm)	PCIe Expansion Slots	4 x LP PCIe Gen5 x16
Motherboard	MZ33-AR0	I/O Ports	**Front:** 2 x USB 3.2 Gen1 **Rear:** 2 x USB 3.2 Gen1, 1 x VGA, 2 x RJ45, 1 x MLAN
CPU	AMD EPYC™ 9005 Series Processors AMD EPYC™ 9004 Series Processors Single processor, cTDP up to 300W		
OS Compatibility	OS Support List	Backplane Board	**Front- CBPD4O0:** SATA 6Gb/s or SAS 12Gb/s **Rear - CBP2021:** SATA 6Gb/s or SAS 12Gb/s **Rear - CBPD0C0:** SATA 6Gb/s or SAS 12Gb/s
Socket	1 x LGA 6096 (Socket SP5)		
Chipset	System on Chip	TPM	1 x TPM header (SPI), Optional TPM2.0 kit: CTM010
Memory	12-Channel DDR5 RDIMM, 24 x DIMMs [EPYC 9005] Up to 4800 MT/s (1DPC), 4000 MT/s (1R 2DPC), 3600 MT/s (2R 2DPC) [EPYC 9004] Up to 4800 MT/s (1DPC), 3600 MT/s (2DPC)	Power Supply	Dual 1600W 80 PLUS Titanium redundant power supply AC Input: 100-240V
		System Management	ASPEED® AST2600 Baseboard Management Controller GIGABYTE Management Console web interface
LAN	2 x 10Gb/s LAN (1 x Broadcom® BCM57416), Support NCSI 1 x 10/100/1000 Mbps Management LAN	System Fans	4 x 80x80x38mm (9,000rpm) 4 x 80x80x38mm (16,300rpm)
Video	Integrated in ASPEED® AST2600 - 1 x VGA port	Operating Properties	Operating: 10°C~35°C, 8%~80% (non-condensing) Non-operating: -40°C~60°C, 20%~95% (non-condensing)
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] **Rear:** 2 x 2.5" SATA/**SAS** [2], for boot drives **Internal M.2:** 1 x M.2 (2280/22110), PCIe Gen4 x4 [1] Storage card is required to enable SATA and SAS drives. - Broadcom SAS35x48 expander - Bandwidth: SATA 6Gb/s or SAS 12Gb/s per port [2] Additional SAS card is required for SAS support on boot drives.	Packaging Content	1 x S453-Z30-AAV1 1 x CPU heatsink 1 x 3-Section Rail kit
		Ordering Part Numbers	6NS453Z30MR000ACV1*
RAID	Require RAID add-in cards		