

Datasheet

OSS Basic

[Ver. 4.0]

Highlights at a glance:

- Optimized hardware for the use of TrueNAS Community Edition
- Incl. TrueNAS Community Edition pre-installation
- Incl. 1x AMD EPYC 9015, upgradeable with one CPU (AMD EPYC 9004 (Genoa), AMD EPYC 9005 (Turin)) up to 128 cores
- Incl. 16 GB RAM, upgradeable up to 3TB RAM, (24 DIMMs)
- 8x 3.5" / 2.5" data carriers (hot-swap) - SATA/SAS/NVMe depending on backplane selection
- 2 x 2.5" (rear, hot-swap), optionally 2 x 2.5" (rear of chassis, hot-swap)
- Expandable with 4 LP/ HL/ FL add-on card(s), 4x PCI-E 5.0 x16
- Energy-efficient 80plus Titanium power supply unit (> 96%) red. NT
- Integrated IPMI (dedicated NIC)



Mainboards

Manufacturer	Gigabyte
Mainboards	Gigabyte MZ33-AR1
Chipset	AMD System on Chip
Socket	AMD SP5

Processor	AMD EPYC 9004 (Genoa), AMD EPYC 9005 (Turin)
Main Memory	24 DIMMs 256 GiB DDR5 4800/5200/5600/6400 RDIMM
LAN Onboard	2x 10 Gbit/s LAN (RJ-45)
LAN chipset	Broadcom BCM57416
LAN Onboard (dedicated IPMI)	1x Management LAN
Onboard graphic	1x VGA ASPEED AST2600 BMC
USB ports	2x USB (rear) USB 3.2 Gen 1

Extension-slots for additional cards

PCI slots (mainboard)	4x PCIe 5.0 x16
Available slots in the chassis	4x Low profile/Half Length/Full Length

Onboard ports

SATA-3 (6 Gb/s)	12x SATA-3 (6 Gbit/s)
M.2	1 x M.2 PCIe 3.0 x4
M.2 form factor	2280, 22110
NVMe	12x NVMe onboard

Drives / storage capacity

Drive slots (total)	8x 3.5" / 2.5" (Hot-swap) 2x 2.5" (Rear, hot-swap) 22.5" (rear of chassis, hot-swap)
Backplane	SATA / SAS-3 / NVMe (12 Gb/s)
Max. capacity HDD (SAS)	245.76 TB
Max. capacity HDD (SATA)	192 TB
Max. capacity SSD (SATA)	61.44 TB
Max. capacity SSD (SATA)	245.76 TB
Max. capacity SSD (U.2 NVMe)	122.88 TB

Server management

Management software	GIGABYTE Management Console
Remote management	Integrated IPMI (dedicated NIC)

Chassis

Unit	2U
Dimensions	88 mm (H), 430 mm (W), 680 mm (D),
Drives (optional)	External USB-drives
Fan (center)	3 80x80x38mm Hot-swap (8600rpm, 62.5dBA)
Silent blowerkit option	no
Front USB ports	1

Power supply

Power supply unit	2x 800 Watt redundantes Hot Swap Netzteil (80 plus Titanium)
energy efficiency	96%

Rack Assembly

Assembly rails	contained in the scope of supply
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environment-requirements

Recommended ambient temperature	0 - 40 °C
Recommended humidity	0 - 95% (non-condensing)
Recommended deployment location	To ensure the optimal cooling of the system, we recommend running the server in an air conditioned server room and as part of a rack installation. The server is not ideal for use in an office environment due to its high noise levels.