

Datasheet

OSS Basic

[Ver. 5]

Highlights at a glance:

- Optimized hardware for the use of TrueNAS Community Edition
- Incl. TrueNAS Community Edition pre-installation
- Incl. 1x AMD EPYC 9015, can be equipped with a CPU (AMD EPYC 9004 (Genoa), AMD EPYC 9005 (Turin)) up to 16 cores
- Incl. 16 GB RAM, upgradeable up to 256GB RAM, (24 DIMMs)
- 8x 3.5" / 2.5" data carriers (hot-swap) – SATA/SAS/NVMe
- 2 x 2.5"(Rear, hot-swap)
- Expandable with 4 LP/ HL add-on card(s), 4x PCIe 5.0 x16
- Energy-efficient power supply red. NT
- Integrated IPMI (dedicated NIC)



Characteristic

Manufacturer

Mainboards

Chipset

Socket

Processor

Main Memory

LAN Onboard

LAN chipset

Gigabyte

Gigabyte MZ33-AR1

AMD System on Chip

AMD SP5

AMD EPYC 9004 (Genoa), AMD EPYC 9005 (Turin)

24 DIMMs

256 GiB DDR5 4800/5200/5600/6400 RDIMM

2x 10 Gbit/s LAN (RJ-45)

Broadcom BCM57416

Mainboards

Mainboards

Characteristic		Mainboards
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	
Characteristic		Extension-slots for additional cards
PCI slots (mainboard)	4x PCIe 5.0 x16	
Available slots in the chassis	4x Low profile/Half Length	
	Onboard ports	
Characteristic		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	
Characteristic		Drives / storage capacity
Drive slots (total)	8x 3.5" / 2.5" (Hot-swap) 2x 2.5" (Rear, hot-swap)	
SAS / SATA slots	8x SAS / SATA	
NVMe / SAS / SATA hybrid slots	8x NVMe / SAS / SATA (hybrid)	
Backplane	SATA / SAS-3 / NVMe (12 Gb/s)	
Max. capacity HDD (SAS)	192 TB	
Max. capacity HDD (SATA)	192 TB	
Max. capacity SSD (SATA)	61.44 TB	
Max. capacity SSD (SATA)	122.88 TB	
Max. capacity SSD (U.2 NVMe)	122.88 TB	
	Server management	
Characteristic		Server management
Management software	GIGABYTE Management Console	
Remote management	Integrated IPMI (dedicated NIC)	
	Chassis	
Characteristic		Chassis
Unit	2U	
Dimensions	87 mm (H), 438 mm (W), 720 mm (D),	
drives (in scope of delivery)	not contained, optional available	
Fan (center)	3 80x38mm Hot-swap (,)	
Silent blowerkit option	no	
Front USB ports	2	
	Rack Assembly	
Characteristic		Rack Assembly
Assembly rails	contained in the scope of supply	

environment-requirements

environment-requirements

Characteristic
Recommended ambient temperature

20 - 22 degree

Recommended humidity

10 - 90% (noncondensing)

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.