Datasheet

1U AMD Single-CPU RA1112-GIEPN Server

[Ver. 1.0]

Highlights at a glance:

- Incl. 1x AMD EPYC 9015, can be equipped with a CPU (AMD EPYC 9004 (Genoa), AMD EPYC 9005 (Turin)) up to 84 cores
- Incl. 16 GB RAM, upgradeable up to 1.152TB RAM, (12 DIMMs)
- Storage devices (Hot-swap), Capacities up to 92.16 TB (SSD), 184.32 TB (NVMe)
- Expandable with 4 add-on card(s), 2x PCIe 5.0 x16
- Energy-efficient power supply 80 PLUS Titanium (>96%) red. NT







Mainboards

Manufacturer	Gigabyte
Mainboards	MZ33-DC1
Chipset	AMD System on Chip
Socket	AMD SP5
Processor	AMD EPYC 9004 (Genoa), AMD EPYC 9005 (Turin)
Main Memory	12 DIMMs 1.125 TiB DDR5 4800/6400 RDIMM

LAN chipset	Intel I210-AT
Additional card (optional)	PNY NVIDIA RTX A1000 (8GB)

Extension-slots for additional cards

Available slots in the chassis	4x

Onboard ports

M.2	1 x M.2 PCIe 3.0 x4
M.2 form factor	2280, 22110

Drives / storage capacity

Drive slots (total)	(Hot-swap) 12x 2.5"
SAS / SATA slots	12x SAS / SATA
NVMe slots	12x| NVMe
NVMe / SAS / SATA hybrid slots	12x NVMe / SAS / SATA (hybrid)
Backplane	SATA / SAS-3 / NVMe (12 Gb/s)
Max. capacity HDD (SATA)	92.16 TB
Max. capacity SSD (SATA)	92.16 TB
Max. capacity SSD (U.2 NVMe)	184.32 TB

Chassis

Unit	1U
Dimensions	43.5 mm (H), 438 mm (W), 710 mm (D)

Power supply

Power supply unit	2x 1300 watt redundant hot-swap PSUs (80 PLUS Titanium)
energy efficiency	96%

Rack Assembly

Assembly rails	contained in the scope of supply

environment-requirements

Recommended ambient temperature	10 - 35 °C
Recommended humidity	10-80% (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.