

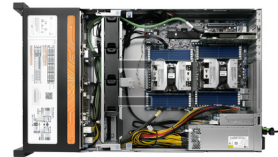
# Datasheet

## 2U AMD Dual-CPU RA2212-AIEPN+ Server

[Ver. 1.0]

### Highlights at a glance:

- Incl. 1x AMD EPYC 9015, upgradeable to two CPUs (AMD EPYC 9004 (Genoa), AMD EPYC 9005 (Turin)) up to 128 cores
- Incl. 32 GB RAM, upgradeable up to 2.304TB RAM, (24 DIMMs)
- 12x 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)



## Mainboards

Manufacturer	Gigabyte
Mainboards	Gigabyte MZ73-LM0
Chipset	AMD System on Chip
Socket	AMD SP5
Processor	AMD EPYC 9004 (Genoa), AMD EPYC 9005 (Turin)
Main Memory	24 DIMMs 2.25 TiB DDR5 4800/5200/5600/6400 RDIMM
LAN Onboard	2x 10 Gbit/s LAN (RJ-45)
LAN chipset	Broadcom BCM57416
LAN Onboard (dedicated IPMI)	1
Onboard graphic	1x VGA ASPEED AST2600 BMC

Additional card (optional)	Graid SupremeRAID 1001 (8x NVMe)
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

## 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

## Drives / storage capacity

Drive slots (total)	12x 3.5" / 2.5" (Hot-swap) 2x 2.5" (Rear, hot-swap) 22.5" (rear of chassis, hot-swap)
SAS / SATA slots	12x SAS / SATA
NVMe / SAS / SATA hybrid slots	12x NVMe / SAS / SATA (hybrid)
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)	184.32 TB

## Server management

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

## Chassis

Unit	2U
Dimensions	87 mm (H), 438 mm (W), 720 mm (D),
drives (in scope of delivery)	not contained, optional available
Drives (optional)	External USB-drives
Fan (center)	3x 80x38mm Hot-swap (, )
Silent blowerkit option	no
Front USB ports	2

## Rack Assembly

Assembly rails	contained in the scope of supply
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## environment-requirements

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.