

Datasheet

2U AMD dual-CPU RA2212-ASEPGN server

[Ver. 1.0]

Highlights at a glance:

- Incl. 1x AMD EPYC 9124, can be expanded to up to 2x CPUs (16 - 128 cores)
- Incl. 16 GB RAM, upgradable to 2.25TB RAM, (24 DIMMs)
- 12x 3.5" / 2.5" drives (Hot-swap), capacities up to 122.88 TB (NVMe)
- 2x 10 Gbit/s LAN (RJ-45)
- Integrated IPMI (dedicated NIC)
- Expandable with 9 FP/ FL add-on card(s), 8x PCIe 5.0 x16 1x PCIe 5.0 x8



Mainboards

Manufacturer	ASUS
Chipset	AMD System on Chip
Socket	AMD SP5
Processor	AMD EPYC 9004 (Genoa)
Main Memory	24 DIMMs 2.25 TB DDR5 4800 RDIMM
LAN Onboard	2x 10 Gbit/s LAN (RJ-45)
LAN chipset	Intel X710-AT2
LAN Onboard (dedicated IPMI)	1x Management LAN
Onboard graphic	1x VGA ASPEED AST2600 BMC 64 MB
Additional card (optional)	PNY NVIDIA Quadro T1000 (4GB)
USB ports	2x USB (rear) USB 3.2 Gen 1 USB 3.2 Gen 1 0x USB on board (type A)

Extension-slots for additional cards

Available slots in the chassis	9x Full profile/Full Length/Low profile
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Onboard ports

mSATA	0x mSATA
M.2	2 x M.2 PCIe 3.0 x4, SATA
M.2 form factor	2280

Drives / storage capacity

Drive slots (total)	12x 3.5" / 2.5" (Hot-swap) 0x 2.5"
SAS / SATA slots	8x SAS / SATA
NVMe slots	4x NVMe
NVMe / SAS / SATA hybrid slots	4x NVMe / SAS / SATA (hybrid)
Backplane	SATA / SAS-3 / NVMe (12 Gb/s)
Max. capacity HDD (SATA)	176 TB
Max. capacity SSD (SATA)	61.44 TB
Max. capacity SSD (U.2 NVMe)	122.88 TB

Server management

Management software	ASUS Control Center (Classic)
Remote management	Integrated IPMI (dedicated NIC)

Chassis

Unit	2U
Dimensions	88.1 mm (H), 449 mm (W), 840 mm (D)
drives (in scope of delivery)	not contained, optional available
Drives (optional)	External USB-drives
Fan (center)	4 80x80x38mm (,)
Silent blowerkit option	no

Power supply

Power supply unit	2x 2600 Watt redundantes Netzteil (80plus Titanium)
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Rack Assembly

Assembly rails	contained in the scope of supply
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environment-requirements

Recommended ambient temperature	10 - 35 °C
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.