

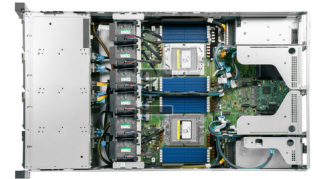
Datasheet

2U AMD dual-CPU RA2212-TKEPN 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 64 cores
- Incl. 16 GB RAM, upgradeable up to 384GB RAM, (24 DIMMs)
- 12 drives , capacities up to 183.6 TB (NVMe)
- 2x 10 Gbit/s LAN (RJ-45)
- Expandable with 5 FP/LP add-on card(s), 4x PCIe 5.0 x16 1x PCIe 5.0 x8
- Energy-efficient power supply 80 PLUS Titanium (>96%) red. NT



Mainboards

Manufacturer	Thomas-Krenn.AG
Mainboards	TKEP-DP-A4
Chipset	AMD System on Chip
Socket	AMD SP5
Processor	AMD EPYC 9004 (Genoa), AMD EPYC 9005 (Turin)
Main Memory	24 DIMMs 384 GiB DDR5 4800/5600/6400 RDIMM
LAN Onboard	2x 10 Gbit/s LAN (RJ-45)
LAN Onboard (dedicated IPMI)	1x Management LAN
Additional card (optional)	PNY NVIDIA RTX A1000 (8GB)

USB ports	2x USB (rear) USB 3.2 Gen 1
	1x USB on board (type A)

Extension-slots for additional cards

PCI slots (mainboard)	1x PCIe 5.0 x8 4x PCIe 5.0 x16
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Available slots in the chassis	5x Full profile/Low profile
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Onboard ports

M.2	2 x M.2 PCIe 3.0 x4
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M.2 form factor	2280
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Drives / storage capacity

Drive slots (total)	12
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SAS / SATA slots	8x SAS / SATA
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NVMe slots	8x NVMe
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NVMe / SAS / SATA hybrid slots	8x NVMe / SAS / SATA (hybrid)
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Backplane	SATA / SAS-3 / NVMe (12 Gb/s)
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Max. capacity HDD (SATA)	15.36 TB
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Max. capacity SSD (SATA)	15.36 TB
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Max. capacity SSD (U.2 NVMe)	183.6 TB
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Chassis

Unit	2U
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Dimensions	87 mm (H), 438 mm (W), 770 mm (D),
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drives (in scope of delivery)	not contained, optional available
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Drives (optional)	External USB-drives
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Power supply

Power supply unit	2HE Thomas-Krenn Server-Barebone (12x LFF, 12x NVMe)
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energy efficiency	96.23%
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