

Datasheet

1U AMD Dual CPU RA2112-TKEPN 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. 16 GB RAM, upgradeable up to 2.304TB RAM, (24 DIMMs)
- 12 Data carriers, Capacities up to 61.44 TB (SSD), 184.32 TB (NVMe)
- 2x 10 Gbit/s LAN (RJ-45)
- Expandable with 3 additional LP cards + 2x OCP 3.0 cards
- 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 2.25 TiB 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	USB 3.2 Gen 1 USB 3.2 Gen 1

Extension-slots for additional cards

Available slots in the chassis	3x Low profile
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Onboard ports

M.2	2 x M.2 PCIe 3.0 x4
M.2 form factor	2280

Drives / storage capacity

Drive slots (total)	12
SAS / SATA slots	8x SAS / SATA
NVMe slots	12x NVMe
Backplane	SATA / SAS-3 / NVMe (12 Gb/s)
Max. capacity HDD (SATA)	61.44 TB
Max. capacity SSD (SATA)	61.44 TB
Max. capacity SSD (U.2 NVMe)	184.32 TB

Chassis

Unit	1U
Dimensions	43 mm (H), 438 mm (W), 770 mm (D)
drives (in scope of delivery)	not contained, optional available
Drives (optional)	External USB-drives

Power supply

Power supply unit	2x 1300 Watt redundantes Netzteil (80plus Titanium)
energy efficiency	96%