

Datasheet

1U AMD Single-CPU RA1112-TKEPN Server

[Ver. 1.0]

Highlights at a glance:

- Incl. 1x AMD EPYC 9015, upgradeable with a CPU (AMD EPYC 9004 (Genoa), AMD EPYC 9005 (Turin)) up to 128 cores
- Incl. 16 GB RAM, upgradeable up to 1.152TB RAM, (12 DIMMs)
- 12 drives (Hot-swap), capacity up to 168.96 TB (SSD), 153.6 TB (NVMe)
- 2x 10 Gbit/s LAN (RJ-45)
- Expandable with 2 / HLLP add-on card(s), 1x 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-SP-A4
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 4800/5600/6400 RDIMM
LAN Onboard	2x 10 Gbit/s LAN (RJ-45)
LAN Onboard (dedicated IPMI)	1x Management LAN
Additional card (optional)	Graid SupremeRAID 1001 (8x NVMe)

USB ports	USB 3.2 Gen 1 USB 3.2 Gen 1
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Extension-slots for additional cards

Available slots in the chassis	2x Low profile
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Onboard ports

M.2	1 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 (Hot-swap)
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SAS / SATA slots	8x SAS / SATA
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NVMe slots	10x 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)	61.44 TB
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Max. capacity SSD (SATA)	61.44 TB
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Max. capacity SSD (U.2 NVMe)	153.6 TB
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Chassis

Unit	1U
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Dimensions	43 mm (H), 439 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	2x 1300 Watt redundantes Netzteil (80plus Titanium)
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energy efficiency	96%
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