

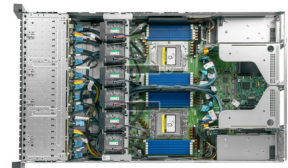
Datasheet

OSS Performance Plus

[Ver. 2.0]

Highlights at a glance:

- Optimized hardware for the use of TrueNAS Community Edition
- Incl. TrueNAS Community Edition pre-installation
- Incl. 1x AMD EPYC 9015, can be equipped with a CPU (AMD EPYC 9004 (Genoa), AMD EPYC 9005 (Turin)) up to 16 cores
- Incl. 64 GB RAM, upgradeable up to 384 GB RAM, (24DIMMs)
- 24 drives (Hot-swap), capacities up to 368.64 TB (NVMe)
- Expandable with 2 add-on card(s), 2x PCIe 5.0 x16
- 2x 10 Gbit/s LAN (RJ-45)
- 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 RDIMM
USB ports	1x USB on board (type A)

Extension-slots for additional cards

PCI slots (mainboard)	2x PCIe 5.0 x16
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Available slots in the chassis	2x
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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)	24 (Hot-swap) 0x 2.5"
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NVMe slots	16x 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)	368.64 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 (optional)	External USB-drives
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Power supply

Power supply unit	2HE Thomas-Krenn Server-Barebone (24x SFF, 24x NVMe)
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energy efficiency	96.23%
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environment-requirements

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.
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