

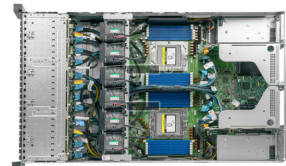
# Datasheet

## Open-E RA2224 (All-NVMe)

[Ver. 2.0]

### Highlights at a glance:

- Optimized hardware for use with Open-E JovianDSS
- Incl. Open-E JovianDSS pre-installation (optional in the mirror)
- 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

Available slots in the chassis 2x

**Onboard ports**

M.2 2 x M.2 PCIe 3.0 x4

M.2 form factor 2280

**Drives / storage capacity**Drive slots (total) 24 (Hot-swap)  
0x 2.5"

NVMe slots 16x| NVMe

NVMe / SAS / SATA hybrid slots 8x NVMe / SAS / SATA (hybrid)

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) 368.64 TB

**Chassis**

Unit 2U

Dimensions 87 mm (H), 438 mm (W), 770 mm (D),

Drives (optional) External USB-drives

**Power supply**

Power supply unit 2HE Thomas-Krenn Server-Barebone (24x SFF, 24x NVMe)

energy efficiency 96.23%

**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.