

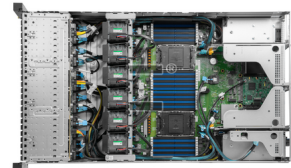
Datasheet

2U Intel dual-CPU RI2224-TKXSN server

[Ver. 2.0]

Highlights at a glance:

- Incl. 1x Intel Xeon Silver 4410Y, can be expanded to up to 2x CPUs (8 - 60 cores)
- Incl. 32 GB RAM, upgradeable up to 3.072TB RAM, (32 DIMMs)
- 24 drives (Hot-swap), capacities up to 368.64 TB (NVMe)
- Optional additional drives: 2x 2.5"
- 2x 10 Gbit/s LAN (RJ-45)
- Expandable with 3 add-on card(s)
- Energy-efficient power supply 80 PLUS Titanium (>96%) red. NT
- Integrated IPMI (dedicated NIC)



Mainboards

Manufacturer	Thomas-Krenn.AG
Mainboards	TKXS-DP-I4
Socket	Intel LGA 4677
Processor	Intel Xeon Scalable 4th/5th Gen (Sapphire/Emerald Rapids)
Main Memory	32 DIMMs 3 TiB DDR5 4800 RDIMM
LAN Onboard (dedicated IPMI)	1
Additional card (optional)	Graid SupremeRAID 1001 (8x NVMe)
USB ports	1x USB on board (type A)

Extension-slots for additional cards

Available slots in the chassis	3x
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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)	24 (Hot-swap) 2x 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

Server management

Remote management	Integrated IPMI (dedicated NIC)
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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.
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