

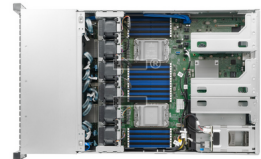
Datasheet

2U Intel dual-CPU RI2224-TKXSN server

[Ver. 1.0]

Highlights at a glance:

- Incl. 1x Intel Xeon Silver 4309Y, can be equipped with a CPU (Intel Xeon Scalable 3rd Gen) up to 8 cores
- Incl. 32 GB RAM, upgradeable up to 2.048TB RAM, (32 DIMMs)
- 24 drives (Hot-swap), capacities up to 368.64 TB (NVMe)
- 2 x 1 GBit/s LAN (RJ-45)
- Expandable with 7 add-on card(s), 2x PCIe 4.0 x16 5x PCIe 4.0 x8
- Energy-efficient power supply 80 PLUS Titanium (>96%) red. NT
- Integrated IPMI (dedicated NIC)



Mainboards

Manufacturer	Thomas-Krenn.AG
Mainboards	TKXS-DP-I3
Socket	Intel LGA 4189
Processor	Intel Xeon Scalable 3rd Gen
Main Memory	32 DIMMs 2 TiB DDR4 2933 RDIMM
LAN Onboard	2 x 1 GBit/s LAN (RJ-45)
Onboard graphic	1x VGA
Onboard graphics maximum resolution	1920x1080@60Hz
Onboard Input/Output	1x Serial Port

USB ports	2x USB (rear) 3.2 Gen 1 3.2 Gen 1
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Extension-slots for additional cards

PCI slots (mainboard)	2x PCIe 4.0 x16 5x PCIe 4.0 x8
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Available slots in the chassis	7x
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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, 22110
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NVMe	24x NVMe onboard
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Drives / storage capacity

Drive slots (total)	24 (Hot-swap) 2x 2.5"
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NVMe slots	24x NVMe
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Backplane	NVMe
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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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Server management

Remote management	Integrated IPMI (dedicated NIC)
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Chassis

Unit	2U
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Dimensions	87 mm (H), 438 mm (W), 735 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. 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.
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