

Datasheet

1U Intel dual-CPU RI2110-TKXSN server

[Ver. 1.0]

Highlights at a glance:

- Incl. 1x Intel Xeon Silver 4309Y, can be expanded to up to 2x CPUs (8 - 8 cores)
- Incl. 32 GB RAM, upgradeable up to 2.048TB RAM, (32 DIMMs)
- 10 drives (Hot-swap), capacity up to 138.24 TB (SSD), 122.88 TB (NVMe)
- 2 x 1 GBit/s LAN (RJ-45)
- Expandable with up to 3 add-on cards
- Energy-efficient power supply 80 PLUS Titanium (>96%)
- Integrated IPMI (dedicated NIC)



Mainboards

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|-------------------------------------|-----------------------------------|
| 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 |
| Additional card (optional) | PNY NVIDIA RTX A1000 (8GB) |
| Onboard Input/Output | 1x Serial Port |
| USB ports | 2x USB (rear) 3.2 Gen 1 3.2 Gen 1 |

Extension-slots for additional cards

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|--------------------------------|--------------------------------|
| PCI slots (mainboard) | 2x PCIe 4.0 x16 1x PCIe 4.0 x8 |
| Available slots in the chassis | 3x Low profile/Half Length |

Onboard ports

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| M.2 | 2 x M.2 PCIe 3.0 x4 |
| M.2 form factor | 2280, 22110 |
| NVMe | 8x NVMe onboard |

Drives / storage capacity

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|--------------------------------|-------------------------------|
| Drive slots (total) | 10 (Hot-swap) |
| SAS / SATA slots | 10x SAS / SATA |
| NVMe slots | 2x NVMe |
| NVMe / SAS / SATA hybrid slots | 8x NVMe / SAS / SATA (hybrid) |
| Backplane | SATA / SAS-3 / NVMe (12 Gb/s) |
| Max. capacity HDD (SATA) | 76.8 TB |
| Max. capacity SSD (SATA) | 76.8 TB |
| Max. capacity SSD (U.2 NVMe) | 122.88 TB |

Server management

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|-------------------|---------------------------------|
| Remote management | Integrated IPMI (dedicated NIC) |
|-------------------|---------------------------------|

Chassis

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|-------------------|-----------------------------------|
| Unit | 1U |
| Dimensions | 43 mm (H), 438 mm (W), 735 mm (D) |
| Drives (optional) | External USB-drives |

Power supply

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|-------------------|--|
| Power supply unit | 2x 800 Watt redundantes Netzteil (80plus Titanium) |
| energy efficiency | 96% |

Rack Assembly

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|----------------|----------------------------------|
| Assembly rails | contained in the scope of supply |
|----------------|----------------------------------|