

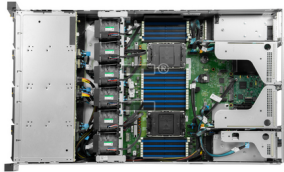
Datasheet

2U Intel Dual-CPU RI2212-TKXSN (ESXi)

[Ver. 1.0]

Highlights at a glance:

- Includes 2x Intel Xeon Silver 4509Y and 16 GB RAM
- Up to 60 cores and 3,072 GB of RAM possible
- 12 storage drives with capacities up to 184.32 TB (NVMe)
- 2x 10 Gbit/s LAN (RJ-45)
- Expandable with additional card(s), 4x PCI-E 5.0 x16, 1x PCI-E 5.0 x8
- Energy-efficient power supply: 80 Plus Titanium (>96%) red. NT



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<br>3 TiB DDR5 4800 RDIMM                         |
| LAN Onboard (dedicated IPMI) | 1                                                         |
| USB ports                    | 1x USB on board (type A)                                  |

## Extension-slots for additional cards

|                                |                             |
|--------------------------------|-----------------------------|
| Available slots in the chassis | 7x Full profile/Low profile |
|--------------------------------|-----------------------------|

## Onboard ports

|     |                     |
|-----|---------------------|
| M.2 | 2 x M.2 PCIe 3.0 x4 |
|-----|---------------------|

|                 |      |
|-----------------|------|
| M.2 form factor | 2280 |
|-----------------|------|

## Drives / storage capacity

|                     |    |
|---------------------|----|
| Drive slots (total) | 12 |
|---------------------|----|

|                  |               |
|------------------|---------------|
| SAS / SATA slots | 8x SAS / SATA |
|------------------|---------------|

|            |          |
|------------|----------|
| NVMe slots | 8x  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) | 184.32 TB |
|------------------------------|-----------|

## Server management

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

## Chassis

|      |    |
|------|----|
| Unit | 2U |
|------|----|

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

|                               |                                   |
|-------------------------------|-----------------------------------|
| drives (in scope of delivery) | not contained, optional available |
|-------------------------------|-----------------------------------|

|                   |                     |
|-------------------|---------------------|
| Drives (optional) | External USB-drives |
|-------------------|---------------------|

## Power supply

|                   |                                                      |
|-------------------|------------------------------------------------------|
| Power supply unit | 2HE Thomas-Krenn Server-Barebone (12x LFF, 12x NVMe) |
|-------------------|------------------------------------------------------|

|                   |        |
|-------------------|--------|
| energy efficiency | 96.23% |
|-------------------|--------|