

Datasheet

2U Intel dual-CPU RI2208-SMXS server

[Ver. 2.0]

Highlights at a glance:

- Incl. 1x Intel Xeon Silver 4410Y, expandable to up to 2x CPUs (Intel Xeon Scalable 4th Gen or 5th Gen) up to 60 cores
- Incl. 32 GB RAM, upgradable to 1TB RAM, (16 DIMMs)
- 8x 3.5" / 2.5" (Hot-swap) up to 176 TB, SSDs: 61.44 TB
- Optional additional drives: 2x 2.5" (Internal, non-hot-swap)
- Expandable with 6 LP/ HL/ FL add-on card(s), 4x PCIe 5.0 x16 2x PCIe 5.0 x8
- 2x 10Gbit/s LAN (RJ45)
- Energy-efficient power supply 80 PLUS Platinum (>94%) red. NT (opt.)
- Integrated IPMI (dedicated NIC)



Mainboards

Manufacturer	Supermicro
Mainboards	Supermicro X13DEI-T
Chipset	Intel C741
Socket	Intel LGA 4677
Processor	Intel Xeon Scalable 4th Gen (Sapphire Rapids)
Main Memory	16 DIMMs 1 TB DDR5 4800/4400 RDIMM
LAN Onboard	2x 10 Gbit/s LAN (RJ-45)
LAN chipset	Broadcom BCM57416
Onboard graphic	1x VGA ASPEED AST2600 BMC 2 GB
Onboard graphics maximum resolution	1920x1080@60Hz
Additional card (optional)	PNY NVIDIA Quadro T1000 (4GB)
USB ports	4x USB (rear) 4x USB 3.0 1x USB on board (type A)

Extension-slots for additional cards

Available slots in the chassis	6x Low profile/Half Length/Full Length
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Onboard ports

SATA-3 (6 Gb/s)	10x SATA-3 (6 Gbit/s)
M.2	2 x M.2 PCIe 4.0 x2
M.2 form factor	2280, 22110
NVMe	3x NVMe onboard

Drives / storage capacity

Drive slots (total)	8x 3.5" / 2.5" (Hot-swap) 2x 2.5" (Internal, non-hot-swap)
Backplane	SATA / SAS-3 (12 Gb/s)
Max. capacity HDD (SAS)	176 TB
Max. capacity HDD (SATA)	176 TB
Max. capacity SSD (SATA)	61.44 TB
Max. capacity SSD (SATA)	61.44 TB

Server management

Management software	Supermicro SuperDoctor 5
Remote management	Integrated IPMI (dedicated NIC)
IPMI-sensors	Additional model-dependent sensors (www.thomas-krenn.com/ipmi-sensoren)

Chassis

Unit	2U
Dimensions	89 mm (H), 437 mm (W), 647 mm (D),
drives (in scope of delivery)	not contained, optional available
Drives (optional)	1x Slim CD/DVD/DVD-R External USB-drives
Fan (center)	3x 80x80x38mm Hot-swap (7000rpm, 53.5dBA)
Silent blowerkit option	no

Power supply

Power supply unit	1x 600 Watt Netzteil (80plus Platinum)
energy efficiency	92.48%
PMBus support	Yes, Ver.1.2

Rack Assembly

Assembly rails	contained in the scope of supply
rail length	675-880 mm
Total length server front to end of assembly rail	820 mm
Max. extraction length	670 mm
Recommended maneuvering space	75 mm (minimum)

environment-requirements

Recommended ambient temperature	20 - 22 degree
Recommended humidity	max. 40%
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.