

Datasheet

2U Intel dual-CPU RI2208-AIXSN server

[Ver. 2.1]

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, upgradeable up to 512GB RAM, (16 DIMMs)
- 8x 3.5" / 2.5" drives (hot-swap) – SATA/SAS/NVMe depending on backplane selection
- 2 x 2.5"(Rear, hot-swap), optional 2 2.5" (rear of chassis, hot-swap)
- Expandable with 6 LP/ HL/ FL add-on card(s), 4x PCIe 5.0 x16 2x PCIe 5.0 x8
- 10GBase-T dual-port on board LAN (optional)
- Energy-efficient power supply 80 PLUS Titanium (>96%) red. NT
- Integrated IPMI (dedicated NIC)
- Toolless design (drives, power supplies, fans, backplane)



Mainboards

Manufacturer	Supermicro
Mainboards	Supermicro X13DEI-T
Chipset	Intel C741
Socket	Intel LGA 4677
Processor	Intel Xeon Scalable 4th/5th Gen (Sapphire/Emerald Rapids)

Main Memory	16 DIMMs 512 GiB DDR5 4800/4400/5600 RDIMM
LAN Onboard	2x 10 Gbit/s LAN (RJ-45)
LAN chipset	Broadcom BCM57416
Onboard graphic	1x VGA ASPEED AST2600 BMC 2 GiB
Onboard graphics maximum resolution	1920x1080@60Hz
Additional card (optional)	PNY NVIDIA RTX A1000 (8GB)
USB ports	4x USB (rear) 4x USB 3.0 1x USB on board (type A)

Extension-slots for additional cards

PCI slots (mainboard)	2x PCIe 5.0 x8 4x PCIe 5.0 x16
Available slots in the chassis	6x Low profile/Half Length/Full Length

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" (Rear, hot-swap) 22.5" (rear of chassis, hot-swap)
Backplane	SATA / SAS-3 / NVMe (12 Gb/s)
Max. capacity HDD (SAS)	245.76 TB
Max. capacity HDD (SATA)	192 TB
Max. capacity SSD (SATA)	61.44 TB
Max. capacity SSD (SATA)	245.76 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	88 mm (H), 430 mm (W), 680 mm (D),
Drives (optional)	External USB-drives
Fan (center)	3 80x80x38mm Hot-swap (8600rpm, 62.5dBA)
Silent blowerkit option	no
Front USB ports	1

Power supply

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

Rack Assembly

Assembly rails	contained in the scope of supply
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environment-requirements

Recommended ambient temperature	0 - 40 °C
Recommended humidity	0 - 95% (non-condensing)
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.