

Datasheet

2U Intel Single-CPU RI1208-AIXSN+ Server

[Ver. 4.0]

Highlights at a glance:

- Incl. 1x Intel Xeon Silver 4410Y, can be equipped with a CPU (Intel Xeon Scalable 4th/5th Gen (Sapphire/Emerald Rapids)) up to 60 cores
- Incl. 16 GB RAM, upgradeable up to 1.5TB RAM | depending on mainboard
- 8x 3.5" / 2.5" drives (hot-swap) – SATA/SAS/NVMe depending on backplane selection
- 2 x 2.5"(Rear, hot-swap)
- Expandable with 7 or 5 LP/HL add-on cards, 1x PCIe 5.0 x16 + 6x PCIe 5.0 x8 or 2x PCIe 5.0 x16 + 3x PCIe 5.0 x8 | depending on the mainboard
- Energy-efficient power supply red. NT
- Integrated IPMI (dedicated NIC)



Mainboards

Manufacturer	Supermicro	Supermicro	Gigabyte
Mainboards	Supermicro X13SEI-F	Supermicro X13SEI-TF	MS33-AR1
Chipset	Intel C741	Intel C741	Intel C741
Socket	Intel LGA 4677	Intel LGA 4677	Intel LGA 4677
Processor	Intel Xeon Scalable 4th/5th Gen (Sapphire/Emerald Rapids)	Intel Xeon Scalable 4th/5th Gen (Sapphire/Emerald Rapids)	Intel Xeon Scalable 4th/5th Gen (Sapphire/Emerald Rapids)
Main Memory	8 DIMMs 512 GiB DDR5 4800/4400 RDIMM	8 DIMMs 512 GiB DDR5 4800/4400/5600 RDIMM	16 DIMMs 512 GiB DDR5 4800/4400/5600 RDIMM
LAN Onboard	2 x 1 GBit/s LAN (RJ-45)	2x 10 Gbit/s LAN (RJ-45)	2x 10 Gbit/s LAN (RJ-45)
LAN chipset	Intel i210	Intel X550	Broadcom BCM57416
Onboard graphic	1x VGA ASPEED AST2600 BMC 2 GiB	1x VGA ASPEED AST2600 BMC 2 GiB	1x VGA ASPEED AST2600 BMC 2 GiB
Onboard graphics maximum resolution	1920x1200@60Hz	1920x1200@60Hz	1920x1200@60Hz
Additional card (optional)	PNY NVIDIA RTX A1000 (8GB)	PNY NVIDIA RTX A1000 (8GB)	PNY NVIDIA RTX A1000 (8GB)
USB ports	4x USB (rear) (2x USB 3.2 Gen1 2x USB 2.0) 1x USB on board (type A)	4x USB (rear) (2x USB 3.2 Gen1 2x USB 2.0) 1x USB on board (type A)	2x USB (rear) 2x USB 3.2 Gen1 2x USB on board (type A)

Extension-slots for additional cards

PCI slots (mainboard)	3x PCIe 5.0 x8 2x PCIe 5.0 x16	3x PCIe 5.0 x8 2x PCIe 5.0 x16	6x PCIe 5.0 x8 1x PCIe 5.0 x16
Available slots in the chassis	7x Low profile/Half Length	7x Low profile/Half Length	7x Low profile/Half Length

Onboard ports

SATA-3 (6 Gb/s)	10x SATA-3 (6 Gbit/s)	10x SATA-3 (6 Gbit/s)	10x SATA-3 (6 Gbit/s)
M.2	2 x M.2 PCIe 5.0 x4	2 x M.2 PCIe 5.0 x4	1 x M.2 PCIe 3.0 x4
M.2 form factor	2280, 22110	2280, 22110	2280, 22110
NVMe	4x NVMe onboard	4x NVMe onboard	

Drives / storage capacity

Drive slots (total)	8x 3.5" / 2.5" (Hot-swap) 2x 2.5" (Rear, hot-swap)
SAS / SATA slots	8x SAS / SATA
NVMe / SAS / SATA hybrid slots	8x NVMe / SAS / SATA (hybrid)
Backplane	SATA / SAS-3 / NVMe (12 Gb/s)
Max. capacity HDD (SAS)	192 TB
Max. capacity HDD (SATA)	192 TB
Max. capacity SSD (SATA)	61.44 TB
Max. capacity SSD (SATA)	122.88 TB
Max. capacity SSD (U.2 NVMe)	122.88 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	87 mm (H), 438 mm (W), 905 mm (D),
drives (in scope of delivery)	not contained, optional available
Fan (center)	3 80x38mm Hot-swap (,)
Silent blowerkit option	no
Front USB ports	2

Rack Assembly

Assembly rails	contained in the scope of supply
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environment-requirements

Recommended ambient temperature	20 - 22 degree
Recommended humidity	10 - 90% (noncondensing)
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.