Datasheet

4U Intel dual-CPU RI2436-AIXS server

[Ver. 3.0]

Highlights at a glance:

- Incl. 1x Intel Xeon Silver 4410Y, can be expanded to up to 2x CPUs of the 4th Scalable generation (8 - 60 cores)

- Incl. 32 GB RAM, upgradable to 1TB RAM, (16 DIMMs)

- 36x 3.5" / 2.5" (Hot-swap) up to 792 TB, SSDs: 276.48 TB

- Optional additional drives: 2x 2.5" (Rear, hot-swap)

- SAS-3 (12Gbit/s) expander backplane

- 10GBase-T dual-port on board LAN (optional)

- Expandable with 6 LP/ FL add-on card(s), 4x PCIe 5.0 x16 2x PCIe 5.0 x8

- Energy-efficient power supply red. NT

- 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)

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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
Possible Riser cards	1x PCI-E (x8) Riserkarte

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)	36x 3.5" / 2.5" (Hot-swap) 2x 2.5" (Rear, hot-swap)
SAS / SATA slots	36x SAS / SATA
Backplane	SATA / SAS-3 (12 Gb/s) expander backplane
Max. capacity HDD (SAS)	792 TB
Max. capacity HDD (SATA)	792 TB
Max. capacity SSD (SATA)	276.48 TB
Max. capacity SSD (SATA)	276.48 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	4U
Dimensions	174.3 mm (H), 430 mm (W), 680 mm (D),
drives (in scope of delivery)	not contained, optional available
Drives (optional)	External USB-drives
Fan (center)	6 80x80x38mm Hot-swap (10500rpm, 60dBA)
Silent blowerkit option	no
Front USB ports	2

Power supply

PMBus support	Yes, Ver.1.2

Rack Assembly

Assembly rails	contained in the scope of supply

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.