Datasheet

2U Intel Dual-CPU RI2208-SMXS+ Server

[Ver. 3.0]

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, upgradeable up to 1.536TB RAM, (16 DIMMs)

- 8x 3.5" / 2.5" (Hot-swap) up to 245.76 TB, SSDs: 245.76 TB

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

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

- Energy-efficient power supply 80 PLUS Platinum (>94%) red. NT (opt.)

- Integrated IPMI (dedicated NIC)

Mainboards

Manufacturer	Gigabyte
Mainboards	MS73-HB0
Chipset	Intel C741
Socket	Intel LGA 4677
Processor	Intel Xeon Scalable 4th/5th Gen (Sapphire/Emerald Rapids)
Main Memory	16 DIMMs 1.5 TiB DDR5 4800/5600 RDIMM
LAN Onboard	2 x 1 GBit/s LAN (RJ-45) 2x 10 Gbit/s LAN (RJ-45)
LAN chipset	Intel I210-AT, Intel X710-AT2
Onboard graphic	1x VGA ASPEED AST2600 BMC 2 GiB
Onboard graphics maximum resolution	1920x1200@60Hz
Additional card (optional)	PNY NVIDIA RTX A1000 (8GB)
USB ports	2x USB (rear) 3.2 Gen1 3.2 Gen1 2x USB on board (type A) 3.2 Gen1

Extension-slots for additional cards

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

Onboard ports

SATA-3 (6 Gb/s)	14x SATA-3 (6 Gbit/s)
M.2	2 x M.2 PCIe 3.0 x4
M.2 form factor	2280, 22110

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)	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	GIGABYTE Management Console
Remote management	Integrated IPMI (dedicated NIC)

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.