

# Datasheet

## 2U Intel Single-CPU RI1208-AIXSN+ Server

[Ver. 3.0]

### 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 1.536TB RAM, (16 DIMMs)
- 8x 3.5" / 2.5" (Hot-swap) up to 245.76 TB, SSDs: 245.76 TB
- Expandable with 7 LP/ HL/ FL add-on card(s), 7x PCIe 5.0 x16
- 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	Gigabyte
Mainboards	MS33-AR1
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 4800/4400/5600 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	1920x1200@60Hz
Additional card (optional)	PNY NVIDIA RTX A1000 (8GB)
USB ports	2x USB (rear) 2x USB 3.2 Gen1 2x USB on board (type A)

## Extension-slots for additional cards

PCI slots (mainboard)	7x PCIe 5.0 x16
Available slots in the chassis	7x Low profile/Half Length/Full Length

## Onboard ports

SATA-3 (6 Gb/s)	18x SATA-3 (6 Gbit/s)
M.2	1 x M.2 PCIe 3.0 x4
M.2 form factor	2280, 22110
NVMe	4x 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
Max. capacity SSD (U.2 NVMe)	122.88 TB

## Server management

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

## 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.