

Datasheet

2U Intel Dual-CPU RI2208-AIXSN+ 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 384GB 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), 6x 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 | MS73-HB0 |
| Chipset | Intel C741 |
| Socket | Intel LGA 4677 |
| Processor | Intel Xeon Scalable 4th/5th Gen (Sapphire/Emerald Rapids) |

| | |
|-------------------------------------|---|
| Main Memory | 16 DIMMs 384 GiB 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

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

Onboard ports

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|-----------------|-----------------------|
| 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

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|------------------------------|--|
| 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 (SATA) | 15.36 TB |
| Max. capacity SSD (SATA) | 15.36 TB |
| Max. capacity SSD (U.2 NVMe) | 122.4 TB |

Server management

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

Chassis

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|-------------------------|--|
| 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

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

Rack Assembly

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|----------------|----------------------------------|
| Assembly rails | contained in the scope of supply |
|----------------|----------------------------------|

environment-requirements

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|---------------------------------|---|
| 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. |