Datasheet

2U Intel Dual-CPU RI2212-AIXSN+ Server

[Ver. 5.0]

Highlights at a glance:

- Incl. Intel Xeon 6505P, can be expanded to up to 2x CPUs (8 - 144 cores)
- Incl. 16 GB RAM, upgradeable up to 1.536TB RAM, (16 DIMMs)
- 12x 3.5" / 2.5" data carriers (hot-swap) – SATA/SAS/NVMe
- 2 x 2.5"(Rear, hot-swap), optional
- Expandable with 6 LP/ HL add-on card(s), 6x PCIe 5.0 x16
- Energy-efficient power supply red. NT
- Integrated IPMI (dedicated NIC)

Mainboards

Manufacturer	Gigabyte
Mainboards	MS74-HB0
Chipset	Intel System on Chip
Socket	Intel LGA 4710
Processor	Intel Xeon 6
Main Memory	16 DIMMs 1.5 TiB DDR5 4800/5600/6400 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
LAN Onboard (dedicated IPMI)	1x 10/100/1000 Mbps Management LAN
Onboard graphic	1x VGA ASPEED AST2600 BMC
Onboard graphics maximum resolution	1920x1080@60Hz
Additional card (optional)	PNY NVIDIA RTX A1000 (8GB)
USB ports	2x USB (rear) 2 x USB 3.2 Gen1 ports (Type-A) 1 x USB 3.2 Gen1 x2 0x USB on board (type A)

Extension-slots for additional cards

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

Onboard ports

SATA-3 (6 Gb/s)	12x SATA-3 (6 Gbit/s)
Port distribution	0x SuperDOM support
M.2	2 x M.2 PCIe 5.0 x4
M.2 form factor	2280, 22110

Drives / storage capacity

Drive slots (total)	12x 3.5" / 2.5" (Hot-swap) 2x 2.5" (Rear, hot-swap)
SAS / SATA slots	12x SAS / SATA
NVMe / SAS / SATA hybrid slots	12x NVMe / SAS / SATA (hybrid)
Backplane	SATA / SAS-3 / NVMe (12 Gb/s)
Max. capacity HDD (SAS)	288 TB
Max. capacity HDD (SATA)	288 TB
Max. capacity SSD (SATA)	92.16 TB
Max. capacity SSD (SATA)	184.32 TB
Max. capacity SSD (U.2 NVMe)	184.32 TB

Server management

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

Chassis

Unit	2U
Dimensions	87 mm (H), 438 mm (W), 905 mm (D),
drives (in scope of delivery)	not contained, optional available
Drives (optional)	External USB-drives
Fan (center)	3x 80x38mm Hot-swap (,)
Silent blowerkit option	no
Front USB ports	2

Rack Assembly

Assembly rails	contained in the scope of supply

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.