

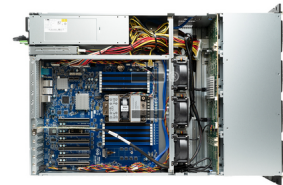
Datasheet

4U Intel Single-CPU RI1436-AIXS+ Server

[Ver. 1.0]

Highlights at a glance:

- Incl. 1x Intel Xeon Silver 4410Y, can be expanded to up to 1x CPUs of the 4th Scalable generation (8 - 60 cores)
- Incl. 16 GB RAM, upgradeable up to 1.024TB RAM, (16 DIMMs)
- 36x 3.5" / 2.5" (Hot-swap) up to 1.10592 PB, SSDs: 1.10592 PB
- 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 5 LP/ FL add-on card(s), 7x PCIe 5.0 x16
- Energy-efficient power supply red. NT
- Integrated IPMI (dedicated NIC)



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 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 Quadro T400 (4GB)
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	5x

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)	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)	1.10592 PB
Max. capacity HDD (SATA)	864 TB
Max. capacity SSD (SATA)	276.48 TB
Max. capacity SSD (SATA)	1.10592 PB

Server management

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

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
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Rack Assembly

Assembly rails	contained in the scope of supply
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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.