

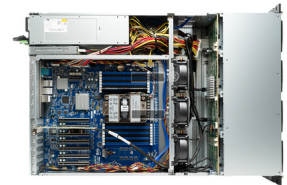
Datasheet

Open-E RI1436

[Ver. 1.0]

Highlights at a glance:

- Optimized hardware for use with Open-E JovianDSS
- Incl. Open-E JovianDSS pre-installation (optional in mirror)
- Incl. 1x Intel Xeon Silver 4410Y, expandable to up to 1x CPUs of the 4th scalable generation (8 - 60 cores)
- Incl. 16 GB RAM, upgradeable up to 1.536TB RAM, (16DIMMs)
- 36x 3.5"/ 2.5" (hot-swap) up to 1,10592 PB, SSDs: 1,10592 PB
- Optional additional data carriers: 2x 2.5" (rear, hot-swap)
- SAS-3 (12Gbit/s) expander backplane
- Expandable with 5 LP/ FL additional card(s), 7x PCI-E 5.0 x16
- Energy-efficient 80plus Platinum power supply unit (> 94%) 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
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
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Available slots in the chassis	5x
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Onboard ports

SATA-3 (6 Gb/s)	18x SATA-3 (6 Gbit/s)
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M.2	1 x M.2 PCIe 3.0 x4
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M.2 form factor	2280, 22110
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NVMe	4x NVMe onboard
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Drives / storage capacity

Drive slots (total)	36x 3.5" / 2.5" (Hot-swap) 2x 2.5" (Rear, hot-swap)
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SAS / SATA slots	36x SAS / SATA
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Backplane	SATA / SAS-3 (12 Gb/s) expander backplane
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Max. capacity HDD (SAS)	1.10592 PB
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Max. capacity HDD (SATA)	864 TB
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Max. capacity SSD (SATA)	276.48 TB
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Max. capacity SSD (SATA)	1.10592 PB
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Server management

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