

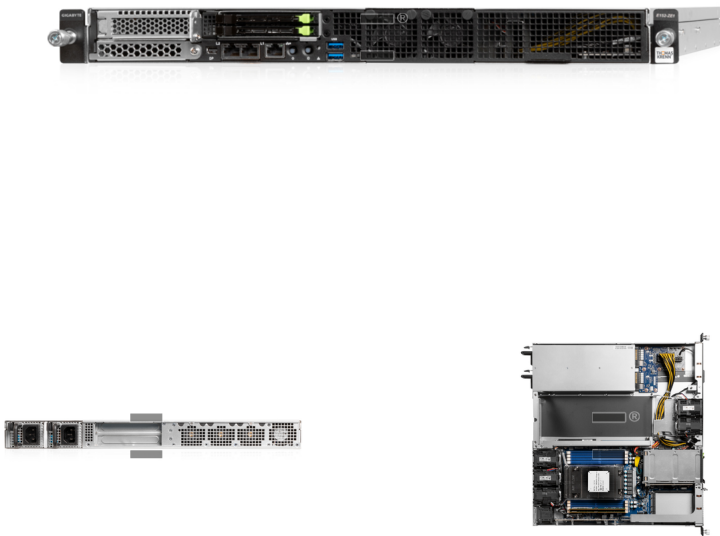
Datasheet

1U AMD single-CPU RA1102-GIEPFN server

[Ver. 1.0]

Highlights at a glance:

- Incl. 1x AMD EPYC 7313P, can be equipped with a CPU (AMD EPYC 7003 (Milan)) up to 64 cores
- Incl. 16 GB RAM, upgradable to 1TB RAM, (8 DIMMs)
- 2x 2.5" (Hot-swap) up to 15.36 TB , SSDs: 15.36 TB
- 2 x 1 GBit/s LAN (RJ-45)
- Expandable with 4 FP/LP/ HL/ FL additional card(s), 4x PCIe 4.0 (x16)
- 400 mm (D) installation depth saves space
- Integrated IPMI (dedicated NIC)
- Energy-efficient power supply (80 PLUS Platinum (>94%))



Mainboards

Manufacturer	Gigabyte
Mainboards	Gigabyte MZE2-G10-00
Chipset	AMD System on Chip
Socket	AMD SP3
Processor	AMD EPYC 7003 (Milan)
Main Memory	8 DIMMs 1 TB DDR4 2933/3200 RDIMM
LAN Onboard	2 x 1 GBit/s LAN (RJ-45)
LAN chipset	Intel I350-AM2
LAN Onboard (dedicated IPMI)	1

Onboard graphic	miniDP (HDMI adapter is not supported) ASPEED AST2600 BMC 64 MB
Additional card (optional)	PNY NVIDIA Quadro T1000 (4GB)
Onboard Input/Output	USB (no PS2 ports!)
USB ports	2x (front, USB 3.0) 0x USB on board (type A)

## Extension-slots for additional cards

PCI slots (mainboard)	4x PCIe 4.0 x16
Available slots in the chassis	4x Full profile/Low profile/Half Length/Full Length
Possible Riser cards	1x PCI-E (x8) Riserkarte

## Onboard ports

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

## Drives / storage capacity

Drive slots (total)	2x 2.5" (Hot-swap)
SAS / SATA slots	2x SAS / SATA
NVMe / SAS / SATA hybrid slots	2x NVMe / SAS / SATA (hybrid)
Backplane	SATA / SAS-3 / NVMe (12 Gb/s)
Max. capacity HDD (SATA)	15.36 TB
Max. capacity SSD (SATA)	15.36 TB

## Server management

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

## Chassis

Unit	1U
Dimensions	44 mm (H), 438 mm (W), 400 mm (D),
drives (in scope of delivery)	not contained, optional available
Drives (optional)	External USB-drives
Fan (center)	2 Hot-swap (, )
Coolers (rear)	4 Hot-swap (, )
Silent blowerkit option	no
Front USB ports	2

## Power supply

Power supply unit	2x 1000 Watt redundantes Hot Swap Netzteil (80plus Platinum)
energy efficiency	94%

## Rack Assembly

Assembly rails	optionally available
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## environment-requirements

Recommended ambient temperature	10 - 35 °C
Recommended humidity	10-80% (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.