Datasheet

Server tower AMD Single-CPU TA1506-INEPN+

[Ver. 1.0]

Highlights at a glance:

- Incl. 1x AMD EPYC 9015, can be equipped with a CPU (AMD EPYC 9004 (Genoa), AMD EPYC 9005 (Turin)) up to 64 cores
- Incl. 16 GB RAM, upgradeable up to 2.304TB RAM, (24 DIMMs)
- 6x 3.5" / 2.5" (Hot-swap) up to 92.16 TB, SSDs: 92.16 TB
- Expandable with 4 FP/ HL add-on card(s), 4x PCIe 5.0 x16
- Integrated IPMI (dedicated NIC)
- Conversion kit available (for use with a 19" rack).

Mainboards

Manufacturer	Gigabyte
Mainboards	Gigabyte MZ33-AR1
Chipset	AMD System on Chip
Socket	AMD SP5
Processor	AMD EPYC 9004 (Genoa), AMD EPYC 9005 (Turin)
Main Memory	24 DIMMs 2.25 TiB DDR5 4800/5200/5600/6400 RDIMM
LAN Onboard	2x 10 Gbit/s LAN (RJ-45)
LAN chipset	Broadcom BCM57416
LAN Onboard (dedicated IPMI)	1x Management LAN
Onboard graphic	1x VGA ASPEED AST2600 BMC
Additional card (optional)	PNY NVIDIA RTX A1000 (8GB)
USB ports	2x USB (rear) USB 3.2 Gen 1

Extension-slots for additional cards

PCI slots (mainboard)	4x PCIe 5.0 x16
Available slots in the chassis	4x Full profile/Half Length

Onboard ports

SATA-3 (6 Gb/s)	12x SATA-3 (6 Gbit/s)
M.2	1 x M.2 PCIe 3.0 x4
M.2 form factor	2280, 22110
NVMe	12x NVMe onboard

Drives / storage capacity

Drive slots (total)	6x 3.5" / 2.5" (Hot-swap) 5x 2.5" (Internal, non-hot-swap)
SAS / SATA slots	6x SAS / SATA
NVMe / SAS / SATA hybrid slots	4x NVMe / SAS / SATA (hybrid)
Backplane	SATA / SAS-3 / NVMe (12 Gb/s)
Max. capacity HDD (SAS)	92.16 TB
Max. capacity HDD (SATA)	144 TB
Max. capacity SSD (SATA)	46.08 TB
Max. capacity SSD (SATA)	92.16 TB
Max. capacity SSD (U.2 NVMe)	61.44 TB

Server management

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

Chassis

Unit	5U
Dimensions	430 mm (H), 200 mm (W), 596 mm (D),
Drives (optional)	External USB-drives
Front USB ports	2

Power supply

Power supply unit	850 Watt Silent Netzteil (80plus Platinum) (be quiet Straight Power 12) (BN337)
energy efficiency	90%
Redundant power supply (selectable option)	2x 1200 W

Rack Assembly

Assembly rails	19" conversion-kit possible, optional available

environment-requirements

Recommended ambient temperature	20 - 22 degree
Recommended humidity	max. 40%
Recommended deployment location	Thanks to its design and low noise output (with optional silent kit), the system is optimally equipped for use in the office. With the 19” rack assembly conversion kit, the server can also be installed in a rack.