

Datasheet

Tower server AMD single-CPU TA1506-INEPN

[Ver. 2.0]

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 128 cores
- Incl. 16 GB RAM, upgradeable up to 1.152TB RAM, (12 DIMMs)
- 6x 3.5" / 2.5" (Hot-swap) up to 184.32 TB, SSDs: 184.32 TB
- Expandable with 5 FP/ HL add-on card(s), 0x PCIe 3.0 x1 3x PCIe 5.0 x16 2x PCIe 5.0 x8
- Integrated IPMI (dedicated NIC)
- Conversion kit available (for use with a 19" rack).



Mainboards

Manufacturer	Supermicro
Mainboards	H13SSL-NT
Chipset	AMD System on Chip
Socket	AMD SP5
Processor	AMD EPYC 9004 (Genoa), AMD EPYC 9005 (Turin)
Main Memory	12 DIMMs 1.125 TiB DDR5 4800/5600/6400 RDIMM
LAN Onboard	2x 10 Gbit/s LAN (RJ-45)
LAN chipset	Broadcom BCM57416
LAN Onboard (dedicated IPMI)	1
Onboard graphic	1x VGA ASPEED AST2600 BMC
Additional card (optional)	PNY NVIDIA RTX A1000 (8GB)
Onboard Input/Output	USB (no PS2 ports!) 1x TPM 2.0 header 1x COM Port (header)
USB ports	4x USB (rear) (USB 3.0) (USB 3.0) 0x USB on board (type A)

Extension-slots for additional cards

PCI slots (mainboard)	0x PCIe 3.0 x1 2x PCIe 5.0 x8 3x PCIe 5.0 x16
Available slots in the chassis	5x Full profile/Half Length

Onboard ports

SATA-3 (6 Gb/s)	8x SATA-3 (6 Gbit/s) AMD SoC No integrated RAID function
M.2	2 x M.2 PCIe 3.0 x4, SATA
M.2 form factor	2280, 22110
NVMe	6x NVMe onboard

Drives / storage capacity

Drive slots (total)	6x 3.5" / 2.5" (Hot-swap) 5x 2.5" (Internal, non-hot-swap) 52.5" (rear of chassis, 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)	184.32 TB
Max. capacity HDD (SATA)	144 TB
Max. capacity SSD (SATA)	46.08 TB
Max. capacity SSD (SATA)	184.32 TB
Max. capacity SSD (U.2 NVMe)	61.44 TB

Server management

Management software	Supermicro SuperDoctor 5
Remote management	Integrated IPMI (dedicated NIC)
Features	<p>Managementsoftware IPMI View IPMI with KVM Over LAN Serial Over LAN (SOL) Virtual Media Over LAN (Virtual USB Floppy/CD and Drive Redirection) LAN Alert-SNMP Trap Event Log OS Independent Hardware Health Monitor Remote Power Control Support RMCP & RMCP + Protocols Fan Speed Control Dedicated 3. network interface card</p>
IPMI-sensors	<p>CPU-temperature (OK / warning) system-temperature (Celsius degree) Electronic voltage (volt) Cooler speed (RPM) Additional model-dependent sensors (www.thomas-krenn.com/ipmi-sensoren)</p>

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
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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.