

# Datasheet

## Server tower AMD Single-CPU TA1506-INEEN

[Ver. 1.0]

### Highlights at a glance:

- Incl. 1x AMD EPYC 4124P, can be equipped with a CPU (AMD EPYC 4004 (Raphael), AMD EPYC 4005 (Grado)) up to 16 cores
- Incl. 16 GB RAM, upgradeable up to 128GB RAM, (4 DIMMs)
- 6x 3.5" / 2.5" (Hot-swap) up to , SSDs: 76.8 TB
- Expandable with 1 FP/ HL add-on card(s), 1x PCIe 5.0 x8
- Integrated IPMI (dedicated NIC)
- Conversion kit available (for use with a 19" rack).



### Mainboards

Manufacturer	ASRock
Mainboards	Asrock EPYC4000D4U
Chipset	AMD System on Chip
Socket	AMD AM5
Processor	AMD EPYC 4004 (Raphael), AMD EPYC 4005 (Grado)
Main Memory	4 DIMMs 128 GiB DDR5 5600 ECC Unbuffered
LAN Onboard	2 x 1 GBit/s LAN (RJ-45)
LAN chipset	Intel I210 (2x 1 Gbit)
LAN Onboard (dedicated IPMI)	1x Management LAN
Onboard graphic	1x VGA, 1x HDMI, 1x display port ASPEED AST2600 BMC

USB ports	2x USB (rear) USB 3.2 Gen 1
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## Extension-slots for additional cards

PCI slots (mainboard)	1x PCIe 5.0 x8
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Available slots in the chassis	1x Full profile/Half Length
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## Drives / storage capacity

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

Remote management	Integrated IPMI (dedicated NIC)
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## Chassis

Unit	5U
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Dimensions	430 mm (H), 200 mm (W), 460 mm (D),
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Drives (optional)	External USB-drives
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Front USB ports	1
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## Power supply

Power supply unit	850 Watt Silent Netzteil (80plus Platinum) (be quiet Straight Power 12) (BN337)
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energy efficiency	90%
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## Rack Assembly

Assembly rails	19" conversion-kit possible, optional available
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## environment-requirements

Recommended ambient temperature	20 - 22 degree
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Recommended humidity	max. 40%
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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.
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