Datasheet

Tower server Intel single-CPU TI1504-CHXS

[Ver. 2.0]

Highlights at a glance:

- Incl. Intel Xeon Bronze 3480U, can be expanded to up to 1x CPUs (8 - 60 cores)

- Incl. 16 GB RAM, upgradable to 512GB RAM, (8 DIMMs)

- 4x 3.5" / 2.5" (Optional hot-swap) up to , SSDs: 30.72 TB

- Expandable with 5 FP/LP/ FL add-on card(s), 2x PCIe 5.0 x16 3x PCIe 5.0 x8

- Energy-efficient power supply 80 PLUS Gold (>87%) red. NT (opt.)

- 2x 10Gbit/s LAN (RJ45)

- Integrated IPMI (dedicated NIC)

Mainboards

Manufacturer	Supermicro
Mainboards	Supermicro X13SEI-TF
Chipset	Intel C741
Socket	Intel LGA 4677
Processor	Intel Xeon Scalable 4th Gen (Sapphire Rapids)
Main Memory	8 DIMMs 512 GB DDR5 4800/4400 RDIMM
LAN Onboard	2x 10 Gbit/s LAN (RJ-45)
LAN chipset	Intel X550
Onboard graphic	1x VGA ASPEED AST2600 BMC 2 GB
Onboard graphics maximum resolution	1920x1200@60Hz

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Additional card (optional)	PNY NVIDIA Quadro T1000 (4GB)
USB ports	4x USB (rear) (2x USB 3.2 Gen1 2x USB 2.0)
	1x USB on board (type A)

Extension-slots for additional cards

Available slots in the chassis	5x Full profile/Low profile/Full Length
Possible Riser cards	1x PCI-E (x8) Riserkarte

Onboard ports

SATA-3 (6 Gb/s)	10x SATA-3 (6 Gbit/s)
M.2	2 x M.2 PCIe 5.0 x4
M.2 form factor	2280, 22110

Drives / storage capacity

Drive slots (total)	4x 3.5" / 2.5" (Optional hot-swap)
Backplane	SATA / SAS-3 (12 Gb/s)
Max. capacity HDD (SATA)	88 TB
Max. capacity SSD (SATA)	30.72 TB

Server management

Management software	Supermicro SuperDoctor 5
Remote management	Integrated IPMI (dedicated NIC)
IPMI-sensors	Additional model-dependent sensors (www.thomas-krenn.com/ipmi-sensoren)

Chassis

Unit	5U
Dimensions	425 mm (H), 198 mm (W), 553 mm (D), 588 mm (D) (incl. front panel)
drives (in scope of delivery)	not contained, optional available
Drives (optional)	3x 5,25" Laufwerk External USB-drives
Silent blowerkit option	optionally available
IP protection classes	The housing front meets the requirements of protection class IP40
Front USB ports	2

Power supply

Power supply unit	750 Watt Silent Netzteil (80plus Gold)
energy efficiency	90%

Rack Assembly

Assembly rails	19" conversion-kit possible, optional available
rail length	770 - 950 mm
Total length server front to end of assembly rail	800 mm
Max. extraction length	685 mm
Recommended maneuvering space	75 mm (minimum)

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.