

# Datasheet

## Tower server Intel single-CPU TI1506-INXSN

[Ver. 2.0]

### Highlights at a glance:

- Incl. Intel Xeon Bronze 3480U, can be equipped with a CPU (Intel Xeon Scalable 4th Gen (Sapphire Rapids)) up to 60 cores
- Incl. 16 GB RAM, upgradable to 512GB RAM, (8 DIMMs)
- 6x 3.5" / 2.5" (Hot-swap) up to 132 TB, SSDs: 76.8 TB
- Expandable with 5 FP/ HL add-on card(s), 2x PCIe 5.0 x16 3x PCIe 5.0 x8
- Integrated IPMI (dedicated NIC)
- Conversion kit available (for use with a 19" rack).



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
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/Half 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)	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)	132 TB
Max. capacity HDD (SATA)	132 TB
Max. capacity SSD (SATA)	46.08 TB
Max. capacity SSD (SATA)	46.08 TB
Max. capacity SSD (U.2 NVMe)	61.44 TB

Server management

Management software	Supermicro SuperDoctor 5
Remote management	Integrated IPMI (dedicated NIC)
IPMI-sensors	Additional model-dependent sensors ( <a href="http://www.thomas-krenn.com/ipmi-sensoren">www.thomas-krenn.com/ipmi-sensoren</a> )

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	750 Watt Silent Netzteil (80plus Gold)
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.