

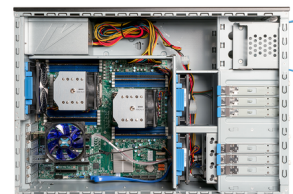
Datasheet

Workstation Intel single-CPU TI1508-CHXS

[Ver. 1.0]

Highlights at a glance:

- Incl. 1x Intel Xeon Silver 4309Y, can be expanded to up to 1x CPUs (8 - 40 cores)
- Incl. 16 GB RAM, upgradable to 1TB RAM, (8 DIMMs)
- 8x 3.5" / 2.5" (Hot-swap) up to 176 TB, SSDs: 61.44 TB
- Expandable with 7 FP/ FL add-on card(s), 3x PCIe 3.0 x8 3x PCIe 4.0 x16 2x PCIe 4.0 x8 4x PCIe 5.0 x16 2x PCIe 5.0 x8
- Energy-efficient power supply (80 PLUS Gold (>87%))
- Integrated IPMI (dedicated NIC)



Mainboards

Manufacturer	Supermicro	Supermicro	Supermicro
Mainboards	X12SPL-F	X12SPL-LN4F	X12SPi-TF
Chipset	Intel C621A	Intel C621A	Intel C621A
Socket	Intel LGA 4189	Intel LGA 4189	Intel LGA 4189
Processor	Intel Xeon Scalable 3rd Gen	Intel Xeon Scalable 3rd Gen	Intel Xeon Scalable 3rd Gen
Main Memory	8 DIMMs 1 TB DDR4 3200 RDIMM	8 DIMMs 1 TB DDR4 3200 RDIMM	8 DIMMs 1 TB DDR4 3200 RDIMM
LAN Onboard	2 x 1 GBit/s LAN (RJ-45)	4 x 1 GBit/s LAN (RJ-45)	2x 10 Gbit/s LAN (RJ-45)
LAN chipset	Intel i210	Intel i210	Intel X550
LAN Onboard (dedicated IPMI)	1x RJ45 Dedicated IPMI LAN port	1x RJ45 Dedicated IPMI LAN port	1x RJ45 Dedicated IPMI LAN port
Onboard graphic	1x VGA ASPEED AST2600 BMC	1x VGA ASPEED AST2600 BMC	1x VGA ASPEED AST2600 BMC
Additional card (optional)	PNY NVIDIA Quadro T1000 (4GB)	PNY NVIDIA Quadro T1000 (4GB)	PNY NVIDIA Quadro T1000 (4GB)
Onboard Input/Output	USB (no PS2 ports!) 1x TPM Header 1x COM Port (header)	USB (no PS2 ports!) 1x TPM Header 1x COM Port (header)	USB (no PS2 ports!) 1x TPM Header 1x COM port (rear)
USB ports	4x USB (rear)	4x USB (rear)	4x USB (rear)
	1x USB on board (type A)	1x USB on board (type A)	1x USB on board (type A)

Extension-slots for additional cards

PCI slots (mainboard)	3x PCIe 3.0 x8 2x PCIe 4.0 x16 2x PCIe 4.0 x8	3x PCIe 3.0 x8 2x PCIe 4.0 x16 2x PCIe 4.0 x8	3x PCIe 4.0 x16 2x PCIe 4.0 x8
Available slots in the chassis	7x Full profile/Full Length	7x Full profile/Full Length	5x Full profile/Full Length
Possible Riser cards	1x PCI-E (x8) Riserkarte	1x PCI-E (x8) Riserkarte	1x PCI-E (x8) Riserkarte

Onboard ports

SATA-3 (6 Gb/s)	12x SATA-3 (6 Gbit/s) Intel C621A RAID 0, 1, 10, 5, Software-Raid	12x SATA-3 (6 Gbit/s) Intel C621A RAID 0, 1, 10, 5, Software-Raid	10x SATA-3 (6 Gbit/s) Intel C621A RAID 0, 1, 10, 5, Software-Raid
Port distribution	8x Intel PCH 0x Intel SCU 2x SuperDOM support	8x Intel PCH 0x Intel SCU 2x SuperDOM support	8x Intel PCH 0x Intel SCU 2x SuperDOM support
M.2	1 x M.2 PCIe 3.0 x4, SATA	1 x M.2 PCIe 3.0 x4	1 x M.2 PCIe 3.0 x4, SATA
M.2 form factor	2280, 22110	2280, 22110	2280, 22110
NVMe	0x NVMe onboard	0x NVMe onboard	2x NVMe onboard

Drives / storage capacity

Drive slots (total)	8x 3.5" / 2.5" (Hot-swap) 4x 2.5"
Backplane	SATA / SAS-3 (12 Gb/s)
Max. capacity HDD (SAS)	176 TB
Max. capacity HDD (SATA)	176 TB
Max. capacity SSD (SATA)	61.44 TB
Max. capacity SSD (SATA)	61.44 TB

Server management

Management software	Supermicro SuperDoctor 5
Remote management	Integrated IPMI (dedicated NIC)
Features	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
IPMI-sensors	CPU-temperature (OK / warning) system-temperature (Celsius degree) Electronic voltage (volt) Cooler speed (RPM) Additional model-dependent sensors (www.thomas-krenn.com/ipmi-sensoren)

Chassis

Unit	5U
Dimensions	425 mm (H), 220 mm (W), 620 mm (D), 668 mm (D) (incl. front panel)
drives (in scope of delivery)	not contained, optional available
Drives (optional)	2x 5,25" Laufwerk
Front USB ports	2

Power supply

Power supply unit	750 Watt Silent Netzteil (80plus Gold)
energy efficiency	90%
Redundant power supply (selectable option)	Optional

Rack Assembly

Assembly rails	19" conversion-kit possible, optional available
rail length	770 - 950 mm 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.