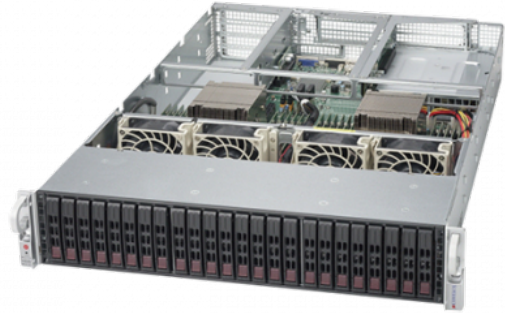# Supermicro Server 2028U-TR4T+

Highlights

Ultra-high performance server for virtualisation, cloud computing, and data center.

Reduce cost and time spending with our global partner model based on your specific requirements. Let Blue Line take responsibility for delivery on time. Blue Line's ultimate goal is to help our customers get peace of mind by handling all relevant details such as securing the right configuration, software setup, mounting, packaging, labeling etc. Ask for references from your industry.

- 2U rack mount chassis
- 10 x 2.5" drive bays for NVMe
- 2 x Intel Xeon E5-2600 v4 Series
- Dual 10GbE
- Build-to-order configured to the requirements

BLUE LINE
IT for Demanding Environments

- has more than 30 years experience
- delivers reliable IT solutions for demanding environments
- builds compact and high performance solutions
- focuses on long duration, 24/7-operation, and ruggedness
- is ISO 9001:2015-certified
- is known for providing the best assistance and services in all phases.

Supermicro Server 2028U-TR4T+

Specifications

Model Type

Server

Form Factor

2U rackmount

Cooling

4 x 8cm heavy duty PWM fans

Environment

Operating temperature	5°C to 40°C
Non-operating temperature	-40°C to 60°C
Operating humidity	8% to 90% (non-condensing)
Non-operating humidity	5% to 95% (non-condensing)

Certification

UL / cUL / CB / BSMI / CE / CCC

Processor

CPU	Intel® Xeon E5-2600 v4 / v3 family (max 160W TPD) dual socket R3
Cores / cache	up to 22 cores / up to 55MB cache
System bus	QPI up to 9.6GT/s

Chipset

Intel® C612

RAM

Memory capacity	24 x 288pin DDR4 DIMM, up to 3TB ECC 3DS LRDIMM, 1.5TB ECC RDIMM/LRDIMM
Memory type	2400 / 2133 / 1866 / 1600MHz ECC DDR4 SDRAM 72bit, 2666 / 2400 ECC DDR4 NVDIMM
DIMM sizes	RDIMM 4GB / 8GB / 16GB / 32GB LRDIMM 32GB / 64GB 3DS LRDIMM 128GB NVDIMM 16GB
Memory voltage	1.2V
Error detection	corrects single-bit errors

Storage

24 x Hot-swap 2.5" drive bays 10 x SATA3 ports
Option for drive supports: 24 SAS3

Input / Output

Rear	4 x RJ45 10GBase-T, 1 x RJ45 dedicated IPMI
	1 x VGA connector
	5 x USB 3.0 (2 x rear, 2 x onboard header, 1 x type A)
Internal	10 x SATA3 (6Gbps) ports
	24 x SAS3 ports (supported via optional add-on cards)
	1 x serial header

Expansion

1 x PCI-E 3.0 x16 slot, FH 10.5" L
6 x PCI-E x8 slots (4 x FH, 10.5" L / 1 x LP / 1 x internal LP)

Operating System

WHQL
RHEL / Ubuntu / SUSE
VMware
Citrix

Power Supply

	1000W redundant power supplies with PMBus
Total output power	800W/1000W
Input	100V to 127V AC / 9.8 to 7A / 50 to 60Hz 200V to 240V AC / 7 to 5A / 50 to 60Hz 200V to 240V DC / 7 to 5A (for CCC only)
+12V	max 66.7A / min 0A (100V to 127V AC) max 83A / min 0A (200V to 240V AC) max 83A / min 0A (200V to 240V DC)
12Vsb	max 2.1A / min 0A
Output type	25 pairs gold fingers connector

Dimension and Weight

H 89 x W 437 x 705.3mm   16.4kg

Accessories Included

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Supermicro Server 2028U-TR4T+

Air shroud

Manual

3 x 8pin female cable to 2 x big 4pin female power (65 / 70CM, 18AWG, RoHS/REACH)

1 x Mini SAS HD4 SATA, 6G,INT, RF, cross over (75CM SB, 30AWG)

2 x Mini SAS HD(ST) / mini SAS(RA-RS EXIT) 6G, INT, 55CM, SB, 30AWG

2 x 1U 1000W redundant power supply (73.5mm width titanium level, RoHS/REACH)

2 x Mounting rails (1 x inner/outer rail set, quick-release type, 26.5" to 36.4", 1 x threaded rail adapter default for round hole rack)

Accessories Optional

Mounting rails (inner/outer rail set, quick-release type, 26.5" to 36.4" / threaded rail adapter default for round hole rack)

2U rear drive kit (rear 2 x 2.5" HDDs riser bracket kit for SC829U/219U, tool-less)

2U supermicro cable management arm 2nd gen (compatible for racks that are 42" in depth)

Network card (standard LP, 2 to 4 x GbE RJ45, PCI-E x4, Intel i350 / standard LP, 1 to 2 x 10GbE SFP+, PCI-E x8, Intel 82599EN / standard LP, 4 x 10GbE SFP+, PCI-E x8, broadcom BCM57840S / standard LP, 2 x 10GbE RJ45, PCI-E x8, Intel X540 / standard LP, 2 x 10GbE CX4, PCI-E x8, Intel 82598EB / standard LP 2port 40GbE controller, based on Intel Fortville XL710 / AOC compatibility matrix)

Warranty and After Sales Support

Standard 1 year hardware warranty for barebone

3 year hardware warranty & 1 year cross shipment for complete system CPU / MEM / DISK

Option for 5 year hardware warranty & 1 year cross shipment / 3 year hardware warranty & 3 year cross shipment