

Supermicro Server 1028U-TN10RT+



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.

- 1U 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 1028U-TN10RT+

Specifications

Model Type

Super server

Form Factor

1U rackmount

Cooling

8 x Heavy duty fans (with optimal speed control)

1 x Air shroud

Environment

Operating temperature 10°C to 35°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 1600 / 1866 / 2133 / 2400MHz ECC DDR4 SDRAM
72bit,
2666 / 2400 ECC DDR4 NVDIMM

DIMM sizes 4GB / 8GB / 16GB / 32GB
NVDIMM 16GB

Memory voltage 1.2V

Error detection corrects single-bit errors

Storage

10 x Hot-swap 2.5" drive bays

6 x NVMe ports (NVMe from CPU 1)

4 x NVMe/SAS3 hybrid ports
(Option for SAS3/SATA3 (NVMe from CPU 2))

Input / Output

Rear 6 x NVMe ports (NVMe from CPU 1), 4 x
NVMe/SAS3 hybrid ports (NVMe from CPU 2)

2 x RJ45 10GBase-T ports, 1 x RJ45
dedicated IPMI LAN port

5 x USB 3.0 ports (2 rear, 2 front, 1 Type A)

1 x VGA connector, 2 x superDOM ports

Internal 1 x serial header

Expansion

3 x PCI-E 3.0 x8 slots (2 x full-height 10.5" L, 1 x low-profile)

Operating System

WHQL

RHEL / Ubuntu / SUSE

VMware

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 finger connector

Dimension and Weight

H 43 x W 437 x D 724mm 21.8kg

Accessories Included



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1 x Manual

1 x Mylar air shroud set for SC819U,119U (X10DRU+), HF

1 x PWYCB, 2X4F/GPU-white to 2 x 2X2F, P4.2, (5, 12V), 40/40CM, 18AWG, RoHS (+ 1 x 65/65CM,18AWG,RoHS)

5 x OCuLink v. 1.0, INT, PCIe NVMe SSD, 55CM, 34AWG (+ 3 x 65CM, 34AWG, RoHS/REACH) (+ 2 x 85CM, 34AWG, RoHS/REACH)

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

2 x 1U passive CPU heat sink for X10 1U 24-DIMM ultra & super blade series servers, RoHS/REACH

Accessories Optional

Mini SAS(RA-RS EXIT)-4 SATA, INT, 55CM SB, 30AWG for optional 4 x SATA3

Storage card / cable

(std LP, 8 x internal ports, 12GB/s per port, gen3, 122 HDD, HBA /

std LP, 8 x internal ports, 12GB/s per port, gen3, 63 HDD, RAID 0 / 1 / 1E /

std LP, 8 x internal ports, 12GB/s per port, gen3, 240 HDD, RAID 0 / 1 / 5 / 6 / 10 / 50 / 60)

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)

Black gen 3rd hot-swap 2.5" HDD tray

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



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