

# Supermicro Server 2048U-RTR4

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## Highlights

4-Way multiple processor system for mission critical applications and advanced analytics.

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.



- 4 x Intel Xeon E5-4600 v4 Series
- 48 x DDR4 slots, up to 6TB RAM
- 24 x Hot-swap 2.5" drive bays
- 4 x Hybrid NVMe ports via AOC
- Quad 1GbE
- 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 2048U-RTR4

## Specifications

### Model Type

Server

### Form Factor

2U rackmount

### Cooling

4 x Heavy duty 8cm PWM fans

### Environment

Operating temperature	10°C to 35°C
Non-operating temperature	-40°C to 70°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 (up to 135W TDP) quad socket R3
Cores / cache	Up to 22 cores / up to 55MB cache
System Bus	QPI up to 9.6 GT/s

### Chipset

Intel® C612

### RAM

Memory capacity	48 x 288pin DDR4 DIMM slots up to 6TB ECC 3DS LRDIMM up to 3TB ECC LRDIMM up to 1.5TB ECC RDIMM
Memory type	1600 / 1866 / 2133 / 2400MHz ECC DDR4 SDRAM 72bit
DIMM sizes	RDIMM 4GB / 8GB / 16GB / 32GB LRDIMM 32GB / 64GB 3DS LRDIMM 128GB
Memory voltage	1.2V
Error detection	corrects single-bit errors

### Storage

24 x Hot-swap drive bays  
Default 10 SATA3 ports (2 x SATA DOM / internal HDD)  
Option for 24 x SAS3 ports via AOC  
Option for 20 x SAS3 ports via AOC & 4 x NVMe ports via AOC

### Input / Output

Rear	4 x RJ45 GbE LAN, 1 x RJ45 dedicated IPMI LAN 1 x VGA connector, 2 x superDOM 4 x hybrid ports with NVMe are supported via AOC 5 x USB 3.0 ports (2 x rear, 2 x header, 1 x type A)
Internal	2 x USB 2.0 ports 10 x SATA3 (6Gbps) ports 24 x SAS3 ports are supported via optional add-on cards 1 x serial header

### Expansion

9 x PCI-E 3.0 x8 slots (include 4 x PCI-E 3.0 x8 internal slots)  
2 x PCI-E 3.0 x16 slots

### 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 830A / min 0A (200V to 240V DC)
12Vsb	max 2.1A / min 0A
Output type	25 pairs gold finger connector

### Dimension and Weight



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H 89 x W 437 x D 780mm      19.4kg

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## Accessories Included

- 1 x Black mylar air shroud for X10QRH+ in SC218U, HF, RoHS / REACH
- 2 x Mini SAS HD (ST)-mini SAS (RA - RS exit) 6G, INT, 85cm, SB, 30AWG, Ro
- 3 x 8pin (female) to 2 x big 4pin (female) power, 65 / 70cm, 18AWG, RoHS / REACH
- 2 x 1U 1000W redundant powersupply 73.5mm width titanium level, RoHS / REACH

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## Accessories Optional

- 2000W power supply kit  
(Power adapter bracket for 2K03P in SC218U, HF, RoHS / REACH)
- (1U 2000W redundant power supply platinum 73.5mm width)

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## 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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