Supermicro GPU Server 2028GR-TR/TRT





Highlights



Enterprise GPU server for HPC, AI, big data analytics, and GRID.

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
- 2 x Intel Xeon E5-2600 v4 Series
- Up to 4 double-width GPUs
- Dual 1 or 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.

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Specifications

Model Type

GPU server

Form Factor

2U rackmount

Cooling

5 x Heavy duty 8cm fans (with optimal speed control)

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)

Processor

CPU	Intel® Xeon E5-2600 v4 / v3 family (up to 145W 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	6 x 288pin DDR4 DIMM slots up to 2TB ECC 3DS LRDIMM, 1TB ECC RDIMM
Memory type	2400 / 2133 / 1866 / 1600MHz 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

10 x Hot-swap 2.5" drive bays

Input / Output

Rear	2 x RJ45 10GBase-T (TRT) / 1 x RJ45 gigabit (TR)
	1 x RJ45 dedicated IPMI
	1 x VGA connector
	4 x USB 3.0 (2 x rear, 2 x header), 2 x USB 2.0 (header)
Internal	10 x SATA3 (6Gbps) ports
	1 x serial header

Expansion

4 x PCI-E 3.0 x16 slots

1 x PCI-E 3.0 x8 (in x16) low-profile slot

Operating System

WHQL

RHEL / Ubuntu / SUSE

VMware

Citrix

Power Supply

	2000W 1U redundant power supplies with PMBus
Total output power	1000W/1800W/1980W/2000W
Input	100V to 120V AC / 12.5 to 9.5A / 50 - 60Hz 200V to 220V AC / 10 to 9.5A / 50 - 60Hz 220V to 230V AC / 10 to 9.8A / 50 - 60Hz 230V to 240V AC / 10 to 9.8A / 50 - 60Hz 200V to 240V AC / 10 to 9.8A / 50 - 60Hz (UL/cUL only) 200V to 240V DC / 10 to 9.1A (CCC only)
+12V	max 83.3A / min 0.1A (100V to 120V AC) max 150A / min 0.1A (200V to 220V AC) max 165A / min 0.1A (220V to 230V AC) max 166.7A / min 0.1A (230V to 240V AC) max 166.7A / min 0.1A (200V to 240V AC) (UL/cUL only)
12Vsb	max 3.5A / min 0A
Output type	25 pairs gold finger connector

Dimension and Weight

H 89 x W 437 x D 787mm	17.9kg

Accessories Included

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1 x CBL, SGPIO, 2X4F to 2x4F, P2.54, ribbon RND tube, 40CM, 28AWG

2 x (EOL) 30AWG 58CM IPASS to 4 x SATA W / SB cross over

2 x SATA, INT, round, ST, 55CM, 30AWG

1 x 8pin to 2 x 4pin backplane power ext 28/22cm, 18AWG

4 x 8pin to 2 x 6/2pin 12V GPU power cable, 30cm 16/20AWG, 10A/pin (16AWG), 6A/pin (20AWG), -25°C to 85°C, RoHS / REACH

1 x Manual

1 x 2U passive CPU heat sink for X9/X10 systems equipped w/ a narrow ILM MB

1 x 1U passive CPU heat sink for X9/X10 systems equipped w/ a narrow ILM MB

2 x 1U 2000W redundant power supply platinum 73.5mm width, RoHS / REACH

Accessories Optional

PCIe 8pin female (black) to CPU 8pin female (white), K80 / M60 / M40 GPU power for 300W card, 30cm, 18AWG

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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