

# Supermicro GPU Server 1028GR-TR/TRT

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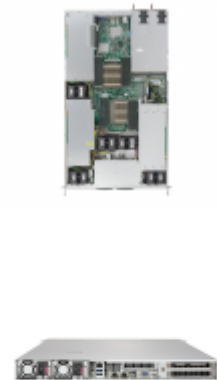


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## Highlights

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.



- 1U rack mount chassis
- 2 x Intel Xeon E5-2600 v4 Series
- Up to 3 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.

# Supermicro GPU Server 1028GR-TR/TRT

## Specifications

### Model Type

GPU server

### Form Factor

1U rackmount

### Cooling

10 x Counter-rotating 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	16 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 / 64GB LRDIMM 32GB / 64GB 3DS LRDIMM 128GB
Memory voltage	1.2V
Error detection	corrects single-bit errors

### Storage

4 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

	1600W 1U redundant power supplies with PMBus
Total output power	1000W/1600W
Input	100V to 127V AC / max 12.9A / 50 to 60Hz 200V to 240V AC / max 9.5A / 50 to 60Hz
+12V	max 82A / min 0.1A (100V to 127V AC) max 132A / min 0.1A (200V to 240V AC)
12Vsb	max 2A / min 0.2A
Output type	25 pairs gold finger connector

### Dimension and Weight

H 43 x W 437 x D 777mm      15.9kg

### Accessories Included

1 x Air shroud  
1 x Manual  
5 x 4pin to 4pin fan extension cord for PWM fan, 23cm, 24AWG  
1 x CBL, SGPIO, 2x4F to 2x4F, P2.54, ribbon in tube, 27cm, 28AWG  
3 x 8pin to 2 x 6/2pin 12V GPU power cable, 30cm 16/20AWG, 10A/pin (16AWG), 6A/pin (20AWG) -25°C - 85°C, RoHS / REACH  
1 x 8pin to 2 x 4pin backplane power ext 28/22cm, 18AWG  
4 x SATA, INT, round, .ST, 55cm, 30AWG  
1 x 1U passive front CPU heat sink w/ a side air channel for x9/x10 systems equipped with a narrow ILM MB  
1 x 1U passive CPU heat sink for x9/x10 systems equipped w/ a narrow ILM MB  
2 x 1U 1600W redundant platinum power supply 73.5mm width, RoHS / REACH, PBF



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## Accessories Optional

PCIe 8pin female (black) to CPU 8pin female (white), M60 /  
M40 GPU power cable, 30cm, 18AWG

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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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