

# Supermicro GPU Server 1028GQ-TR/TRT

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## Highlights

Enterprise GPU server for oil & gas, finance, and 3D rendering.

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 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

2 x Hot-swap 2.5" drive bays

2 x internal 2.5" drive bays

### Form Factor

1U rackmount

### Input / Output

Rear 2 x RJ45 10GBase-T (TRT) / 1 x RJ45 gigabit (TR)

1 x RJ45 dedicated IPMI

1 x VGA connector

Internal 2 x USB 2.0

4 x SATA3 (6Gbps) ports

1 x serial header

### Cooling

9 x 4cm heavy duty counter-rotating fans (with air shroud & optimal fan 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)

### Expansion

4 x PCI-E 3.0 x16 slots

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

### Operating System

WHQL

RHEL / Ubuntu / SUSE

VMware

Citrix

### 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

### Power Supply

2000W 1U redundant power supplies with PMBus

Total output power 1000W/1800W/1980W/2000W

Input 100V to 120V AC / 12.5 to 10.5A / 50 to 60Hz  
200V to 220V AC / 10 to 9.5A / 50 to 60Hz  
220V to 230V AC / 10 to 9.8A / 50 to 60Hz  
230V to 240V AC / 10 to 9.8A / 50 to 60Hz  
200V to 240V AC / 10 to 9.8A (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

### Chipset

Intel® C612

### Dimension and Weight

H 43 x W 437 x D 894mm 15.9kg

### RAM

Memory capacity 16 x 288pin DDR4 DIMM slots  
up to 1TB 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

### Accessories Included



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4 x SATA, INT, round ,ST, 55cm, 30AWG

Manual

2 x 1U high performance passive CPU heat sink for x9/x10 systems equipped w/ a square ILM mb

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

1 x Rail set quick auto latch, travel 535mm short version, post to post 685mm

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## Accessories Optional

NVIDIA Tesla V100 / K80 / M60 / M40 / P100 / P40 cable (8pin EPS 12V connector)

NVIDIA Tesla K40 / M10 cable (6/2pin PCIe 12V connector)

Generic GPU cables (2/6pin PCIe 12V connector)

Mini SAS HD to 4 SATA 12G

Mounting bracket for LSI BBUs

LSI super cap

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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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