

# Supermicro GPU Server 4028GR-TVRT

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## Highlights

High performance GPU server for AI, deep learning training and big data 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.

- 4U rack mount chassis
- 2 x Intel Xeon E5-2600 v4 Series
- Up to 8 Tesla V100 SXM2 GPUs
- Up to 300GB/s GPU-to-GPU NVLINK
- Supports GPUDirect RDMA
- 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.

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## Specifications

### Model Type

GPU server

### Form Factor

4U rackmount

### Cooling

8 x 92mm cooling fans

Air shrouds

### 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 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 24 x 288pin DDR4 DIMM slots  
up to 3TB ECC 3DS LRDIMM, 2TB 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

16 x Hot-swap 2.5" SATA / SAS drive bays

### Input / Output

Rear 2 x RJ45 10GBase-T, 1 x RJ45 dedicated IPMI  
3 x USB 3.0, 1 x VGA connector

Internal 10 x SATA3 (6Gbps) ports  
1 x serial header

### Expansion

4 x PCI-E 3.0 x16 (low-profile) slots

2 x PCI-E 3.0 x8 slots

M.2 interface: PCI-E 3.0 x4

### Operating System

RHEL / Ubuntu / SUSE

VMware

### Power Supply

2200W redundant titanium level power  
supplies with PMBus

Total output power 1200W/1800W/1980W/2090W/2200W  
(UL/cUL only)

Input 100V to 127V AC / 14 to 11A / 50 to 60Hz  
200V to 220V AC / 10 to 9.5A / 50 to 60Hz  
220V to 230V AC / 10 to 9.5A / 50 to 60Hz  
230V to 240V AC / 10 to 9.8A / 50 to 60Hz  
220V to 240V AC / 12 to 11A / 50 to 60Hz  
(UL/cUL only)  
180V to 220V AC / 14 to 11A / 50 to 60 Hz  
(UL/cUL only)  
230V to 240V DC / 10 to 9.8A (CCC only)

+12V max 100A / min 0A  
max 150A / min 0A  
max 165A / min 0A  
max 174.17A / min 0A  
max 183.3A / min 0A  
max 174.17A / min 0A

12Vsb max 2A / min 0A

Output type Gold finger

### Dimension and Weight

H 178 x W 447 x D 805mm 36.2kg

### Accessories Included



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4 x PWCD, US, NEMA5-15P to IEC60320 C13, 6FT, 14AWG, 15A, 125V, RoHS / REACH

2 x HDD power extension for X8OBN, special 8pin to 4 HDD, 45cm, 18AWG

4 x PWCD, US, NEMA5-15P to IEC60320 C13, 6FT, 14AWG, RoHS / REACH

3 x 2x4F / GPU white / P4.2 to 2 x 1x4F / P5.08 (5.12V), 48 / 51cm, 18AWG

2 x Mini SAS HD, 12G, INT, 25cm, 30AWG

2 x OCuLink v 1.0, INT, PCIe NVMe SSD, 65cm, 34AWG, RoHS / REACH

2 x OcuLink v 1.0, INT, PCIe NVMe SSD, 37cm, 34AWG

4 x 2U 2200W 90V to 264V AC / 47 to 63Hz or wide DC input 180V to 300V DC

4 x 12V DC input redundant FAN module power (supports I2C function)

2 x 2U active CPU heat sink for Intel R2 / R3 / B2 / B3 & AMD C32

8 x 2U passive GPU heat sink for NVIDIA SXM2 module in SYS-4028GR-TXR/TXRT series servers

8 x 2U passive GPU heat sink for NVIDIA pascal & vol

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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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