

Supermicro GPU Server 1029GQ-TVRT



Highlights

Enterprise GPU server for HPC, AI, big data analytics, research lab, astro physics, and business intelligence.

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 2nd generation Xeon Scalable
- Up to 4 Tesla V100 SXM2 GPUs
- Up to 300GB/s GPU-to-GPU NVLINK
- NVIDIA GPUDirect RDMA optimized
- 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

1U rackmount

Cooling

7 x heavy duty 4cm counter-rotating fans (with air shroud & optimal speed control)

Environment

Operating temperature 10°C to 35°C

Non-operating temperature -40°C to 60°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 scalable (cascade / skylake) dual socket P
3 UPI up to 10.4GT/s
supports SPU TPD up to 165W

Cores up to 28 cores

Chipset

Intel® C621

RAM

Memory capacity 12 DIMM slots
up to 3TB 3DS ECC DDR4-2933MHz
RDIMM / LRDIMM
supports Intel optane DCPMM

Memory type 1933 / 2666 / 2400 / 2133MHz ECC DDR4
RDIMM / LRDIMM

Storage

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

2 x Internal 2.5" drive bays

Supports 1 x M.2 2242 / 2260 / 2280

Supports M.2 SATA & NVMe

Input / Output

Rear 2 x RJ45 10GBase-T, 1 x RJ45 dedicated IPMI
2 x USB 3.0 ports, 1 x VGA port

Internal 4 x SATA3 (6Gbps) ports
1 x fast UART 16550

Expansion

4 x PCI-E 3.0 x16 slots

Operating System

WHQL

RHEL / Ubuntu / SUSE

VMware

Citrix

Power Supply

2200W redundant power supplies with PMBus

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

Input 100V to 120V AC / 12.5 to 9.5A / 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
220V to 240V AC / 11.8 to 9.8A / 50 to 60Hz
(UL/cUL only)

+12V max 83.3A / min 0A (100V to 120V AC)
max 150A / min 0A (200V to 220V AC)
max 165A / min 0A (220V to 230V AC)
max 166.7A / min 0A (230V to 240V AC)
max 166.7A / min 0A (200V to 240V AC)
(UL/cUL only)

12Vsb max 2.1A / min 0A

Output type 25 pairs gold finger connector

Dimension and Weight

H 43 x W 437 x D 894mm 20.41kg

Accessories Included



BLUE LINE
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4 x SATA, INT, round, ST, 55cm, 30AWG
3 x GPU, 2x4F / RA / CPU to 2x4F / RA / CPU, P4.2, 6cm,
17AWG, 8A/pin, -25°C to 85°C, RoHS
1 x GPU, 2x4F / CPU to 2x4F / CPU, P4.2, 30cm, 16AWG,
10A/pin, -40°C to 105°C
4 x Oculink x8 cable 50cm 34AWG, RoHS
2 x 1U 2000W redundant titanium power supply w/ PMbus
73.5 x 40 x 265mm, RoHS / REACH
1 x Rail set, Quick, auto latch, travel 535mm short version,
post to post 685mm

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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