

Supermicro GPU Server 1029GQ-TRT



Highlights

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

- 1U rack mount chassis
- 2 x Intel 2nd gen. Xeon Scalable
- Up to 2 x double-width GPUs
- Dual 10GbE
- 2000W Redundant Power Supplies
- 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 1029GQ-TRT

Specifications

Model Type

GPU server

Form Factor

1U rackmount

Cooling

9 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 Dual socket P (LGA 3647)
2nd gen. Intel® Xeon scalable (Cascade Lake / Skylake)
3 UPI up to 10.4GT/s
supports CPU TDP up to 165W

Cores up to 28 cores with Intel HT technology

Chipset

Intel® C621 chipset

RAM

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

Memory type 2933 / 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, 1 x VGA port

Internal 4 x SATA3 (6Gbps) ports
1 x serial header

Expansion

4 x PCI-E 3.0 x16 (FHFL) slots

2 x PCI-E 3.0 x16 (LP) slots

Operating System

WHQL

RHEL / Ubuntu / SUSE

VMware

Citrix

Power Supply

2000W 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
200V 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 20.4kg

Accessories Included



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4 x SATA, INT, ROUND, ST-ST, 55CM, 30AWG
3 x GPU, 2x4F / RA / CPU to 2x4F / CPU, P4.2, 35CM, 17AWG, 8A/pin, -25°C to 85°C, RoHS
1 x GPU, 2x4F / RA / CPU to 2x4F / CPU, P4.2, 14CM, 17AWG, 8A/pin, -25°C to 85°C, RoHS
2 x 1U passive CPU heat sink for X11 purley platform equipped with a narrow retention mechanism
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

Accessories Optional

3 x GPU, 2x4F / RA / CPU to 2 x (2x3F & 2x1F) / PCIe, P4.2, 36CM, 17/20AWG, 8A/pin (17AWG), 6A/pin (20AWG)
1 x GPU, 2x4F / RA / CPU to 2 x (2x3F & 2x1F) / PCIe, P4.2, 16CM, 17/20AWG, 8A/pin (17AWG), 6A/pin (20AWG)
3 x GPU, 2x4F / RA / CPU to 2 x (2x3F & 2x1F) / PCIe, P4.2, 34CM, 17/20AWG
1 x GPU, 2x4F / RA / CPU to 2 x (2x3F & 2x1F) / PCIe, P4.2, 25CM, 17/20AWG
1 x Mini SAS HD to 4 x SATA 12G
1 x Mini SAS HD to 4 x SATA 12G
1 x Mini SAS HD to 4 x SATA 12G
1 x Mounting bracket for LSI BBUs
1 x LSI super cap

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

