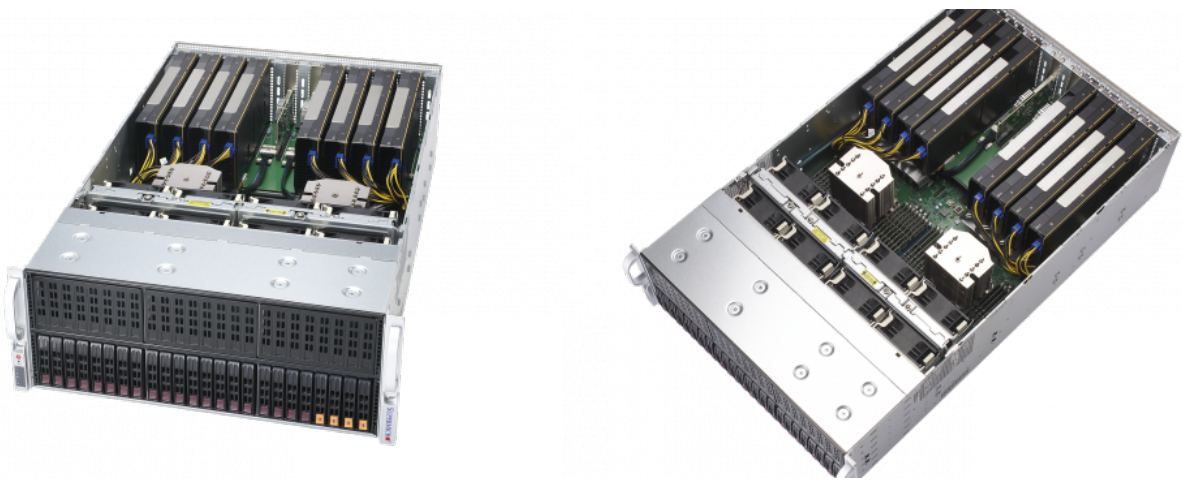


# Supermicro GPU Server 4124GS-TNR

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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
- Dual AMD EPYC 7002 Series Processors
- Up to 10 double-width GPUs
- Direct connect for maximum performance
- 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 4124GS-TNR

## Specifications

### Model Type

GPU server

### Form Factor

4U rackmount

Rackmount kit (MCP-290-00057-0N)

### Cooling

8 x 11.5K RPM Heavy duty fans

### 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)

### Processor

CPU Dual AMD EPYC™ 7002 Series Processors  
Socket SP3  
Supports CPU TDP up to 280W\*

Cores / cache up to 128 Cores (64 per CPU)

Notice\* CPUs with high TDP may be supported only under specific conditions. Please contact Blue Line for additional information

### Chipset

System on Chip (SoC)

### RAM

Memory capacity 32 DIMM slots  
up to 8TB 3DS ECC DDR4-3200MH  
RDIMM/LRDIMM

Memory type 3200MHz ECC DDR4 RDIMM/LRDIMM

### Storage

Up to 24 x 2.5" SAS/SATA drive bays

4 x 2.5" SATA supported natively

4 x 2.5" NVMe supported natively

### Input / Output

Rear 2 x RJ45 GbE LAN ports  
1 x RJ45 Dedicated IPMI LAN port

2 x USB 3.0 ports

1 x USB 2.0 port

1 x VGA Connector

Internal 24 x SATA3 (6Gbps) ports

1 x COM port

### Expansion

10 x PCI-E 4.0 x16 (FH, FL) slots

1 x PCI-E 4.0 x8 (FH, FL) slot

### Management Software

IPMI 2.0

KVM with dedicated LAN

SSM, SPM, SUM

SuperDoctor® 5

Watchdog

### Operating System

Windows 10

Windows Server 2019

Linux

### Power Supply

2000W redundant power supplies with PMBus

Total output power 1000W: 100 to 127Vac

1800W: 200 to 220Vac

1980W: 220 to 230Vac

2000W: 230 to 240Vac

2000W: 220 to 240Vac (UL only)

Input 100 to 127Vac / 12 to 9A / 50 to 60Hz

200 to 220Vac / 10 to 9.8A / 50 to 60Hz

220 to 230Vac / 10 to 9.8A / 50 to 60Hz

230 to 240Vac / 10 to 9.8A / 50 to 60Hz

220 to 240Vac / 11 to 10A / 50 to 60Hz (UL only)

+12V max: 83A / Min: 0A (100 to 127Vac)

max: 150A / Min: 0A (200 to 220Vac)

max: 165A / Min: 0A (220 to 230Vac)

max: 166A / Min: 0A (230 to 240Vac)

max: 166A / Min: 0A (220 to 240Vac) (UL only)

12Vsb max: 3.5A / Min: 0A

Output type 25 pairs gold finger connector



# Supermicro GPU Server 4124GS-TNR

## Dimension and Weight

H 178 x W 437 x D 737mm	Net weight 29.7kg Gross weight 45.3kg
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## Accessories Included

MCP-290-00057-0N	Rail set, quick/quick, default for 4U 17.2"; W
SFT-OOB-LIC	OOB management package (per node license)

## Accessories Optional

MCP-230-41803-0N	Top cover for GTX card support
MCP-230-41806-0N	Top cover for NVLINK BRIDGE support
MCP-220-00121-0B	Black Gen-3 2.5" NVMe drive tray. Orange tab with lock
MCP-220-00167-0B	Black Gen-3 2.5" NVMe drive tray. Orange tab with lock, Tool-less
MCP-240-00096-0N	GPU / Add-on card dummy assembly (2 Slots)
CBL-PWEX-0665	GPU power cable (for NVIDIA P40, M40, M60, AMD MI25). 8pin female BLK to 8pin female WHT. 30cm 18AWG
CBL-PWEX-1017	GPU power cable (for NVIDIA QUADRO, GTX). 8pin female CPU blue to 2x 6pin female / 2x 1pin female. 20cm 16AWG/20AWG
CBL-PWEX-1040	GPU power cable (for NVIDIA QUADRO, GTX). 8pin male CPU to 2x 6pin female / 2x 1pin female. 5cm 20AWG/16AWG
AOC-S3008L-L8I2	Broadcom 3008 STD LP 8 internal ports, 12Gb/s per port - SAS HBA adapter card, RAID 0,1,1E,10
AOC-S3008L-L8E2	Broadcom 3008 STD LP 8 internal ports, 12Gb/s per port - SAS HBA adapter card, HBA only
AOC-S3108-H8IR2	Broadcom 3108 STD LP 8 internal ports, 12Gb/s per port - SAS HBA adapter card, RAID 0,1,5,6,10,50,60
AOC-S3108L-H8IR-16DD	Broadcom 3108 STD LP 8 internal ports, 12Gb/s per port - SAS HBA adapter card, RAID 0,1,5,6,10,50,60. Maximum 16 HDD support with expander backplane
CBL-SAST-0531	n/a
MCP-240-00127-0N	Remote mounting bracket for supercap. Installs in 2.5" drive tray
BKT-BBU-BRACKET-05	Remote mounting board for supercap. Installs in 2.5" drive tray.

## 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

