

Supermicro SuperServer SYS-4029GP-TRT 4U DP 8xGPU 24xSFF 2x10GbE RED PSU

Kod producenta: SYS-4029GP-TRT



Chassis Form Factor	Rack 4U
CPU Socket	LGA 3647 (Socket P)
# of CPU sockets	2
Supported CPU's	Intel Xeon Scalable 1st Gen Intel Xeon Scalable 2nd Gen
Max CPU TDP	205 W
Chipset	Intel C622
Memory Type	DDR4 ECC LRDIMM DDR4 ECC RDIMM
Memory Speed	2933 MHz 2666 MHz 2400 MHz 2133 MHz
# of DIMM's	24
Max Memory Size	3072 GB
Integrated GPU	Aspeed AST2500
Hardware GPU	up to 8 Nvidia® Tesla® GPUs
# of 2.5 hot-swap bays	24
# of 2.5 Hybrid NVMe bays	4
# of PCIe x16 3.0	8
# of PCIe x8 3.0	2
# of PCIe x4 2.0	1
# of USB Ports	4 x USB 3.0 (rear)
# of SATA Ports	10
Storage Controllers	10 x SATA 6Gb/s
Integrated RAID	0,1,5,10
Integrated BMC	IPMI Dedicated RJ45
BMC chip	Aspeed AST2500
Power Supply	Redundant 2+2
PSU Wattage	2000 W
PSU Certification	80+ Titanium
Chassis Dimensions	437 x 178 x 737 mm

Poniżej prezentujemy szczegółowy opis techniczny oferowanego produktu:

UWAGA !!!
Oferowany produkt to platforma serwerowa służąca do budowy swojej własnej konfiguracji serwera (nie zawiera CPU, RAM czy HDD).
Jeżeli potrzebujesz kupić gotowy serwer wraz z CPU, RAM, HDD/SDD oraz innymi opcjami koniecznie wyślij do nas zapytanie. Posiadamy najlepsze ceny i dostępność na pełne konfiguracje. Zapewniamy

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pełne wsparcie techniczne do zakupionych u nas serwerów.

Product SKUs

SYS-4029GP-TRT • SuperServer 4029GP-TRT (Black)

Motherboard

Super X11DPG-OT-CPU

Processor/Cache

- CPU
- Cores
- GPU Support
- Dual Socket P (LGA 3647)
 - Intel® Xeon® Scalable Processors, 3 UPI up to 10.4GT/s
 - Support CPU TDP 70-205W
 - Up to 28 Cores with Intel® HT Technology
 - Please refer to: [Compatible GPU list](#)

System Memory

- Memory Capacity
- Memory Type
- 24 DIMM slots
 - Up to 3TB ECC 3DS LRDIMM, 1TB ECC RDIMM, DDR4 up to 2666MHz
 - 2666/2400/2133MHz ECC DDR4 SDRAM

On-Board Devices

- Chipset
- SATA
- Network Controllers
- IPMI
- Graphics
- Intel® C622 chipset
 - SATA3 (6Gbps) with RAID 0, 1, 5, 10
 - Dual Port 10GbE from C622
 - Support for Intelligent Platform Management Interface v.2.0
 - IPMI 2.0 with virtual media over LAN and KVM-over-LAN support
 - ASPEED AST2500 BMC

Input / Output

- SATA
- LAN
- USB
- Video
- COM Port
- 10 SATA3 (6Gbps) ports
 - 2 RJ45 10GBase-T LAN ports
 - 1 RJ45 Dedicated IPMI LAN port
 - 4 USB 3.0 ports (rear)
 - 1 VGA Connector
 - 1 COM port (rear)

System BIOS

- BIOS Type
- AMI 32Mb SPI Flash ROM

Management

- Software
- Intel® Node Manager
 - [IPMI 2.0](#)
 - KVM with dedicated LAN
 - [SSM](#), [SPM](#), [SUM](#)
 - [SuperDoctor® 5](#)
 - Watchdog

PC Health Monitoring

- CPU
- FAN
- Temperature
- Monitors for CPU Cores, Chipset Voltages, Memory.
 - 4+1 Phase-switching voltage regulator
 - Fans with tachometer monitoring
 - Status monitor for speed control
 - Pulse Width Modulated (PWM) fan connectors
 - Monitoring for CPU and chassis environment
 - Thermal Control for fan connectors

Chassis

- Form Factor
- Model
- 4U Rackmountable
 - Rackmount Kit (MCP-290-00057-0N)
 - CSE-418GTS-R4000B**

Dimensions

- Height
- Width
- Depth
- Weight
- Available Colors
- 7.0" (178mm)
 - 17.2" (437mm)
 - 29" (737mm)
 - Net Weight: 65.5 lbs (29.7 kg)
 - Gross Weight: 100 lbs (45.3 kg)
 - Black

Drive Bays / Storage

- Hot-swap
- M.2
- Up to 24x 2.5" SAS/SATA drive bays
 - 8x 2.5" SAS/SATA supported natively
 - 2x 2.5" NVMe supported natively
 - 1 NVMe based M.2 SSD
 - Form Factors: 2260, 2280, 22110

Expansion Slots

- PCI-Express
- 8 PCI-E 3.0 x16 (double-width) slots
 - 2 PCI-E 3.0 x8 slots
 - 1 PCI-E 2.0 x4 slot

System Cooling

- Fans
- Shrouds
- 8 Hot-swap 92mm cooling fans
 - 1 Air Shroud (MCP-310-41808-0B)

Power Supply

2000W Redundant Power Supplies with PMBus

- Total Output Power
- 1000W/1800W/1980W/2000W

- Dimension (W x H x L)
- 73.5 x 40 x 265 mm

- Input
- 100-120Vac / 12.5-9.5A / 50-60Hz
 - 200-220Vac / 10-9.5A / 50-60Hz
 - 220-230Vac / 10-9.8A / 50-60Hz
 - 230-240Vac / 10-9.8A / 50-60Hz
 - 200-240Vac / 11.8-9.8A / 50-60Hz (UL/cUL only)

- +12V
- Max: 83.3A / Min: 0A (100-120Vac)
 - Max: 150A / Min: 0A (200-220Vac)
 - Max: 165A / Min: 0A (220-230Vac)
 - Max: 166.7A / Min: 0A (230-240Vac)
 - Max: 166.7A / Min: 0A (200-240Vac) (UL/cUL only)

- 12Vsb
- Max: 2.1A / Min: 0A

- Output Type
- 25 Pairs Gold Finger Connector



- Certification
- UL/cUL/CB/BSMI/CE/CCC
 - Titanium Level**
 - [[Test Report](#)]**

Operating Environment

- RoHS
- Environmental Spec.
- RoHS Compliant
 - Operating Temperature: 10°C ~ 35°C (50°F ~ 95°F)
 - Non-operating Temperature: -40°C to 60°C (-40°F to 140°F)
 - Operating Relative Humidity: 8% to 90% (non-condensing)
 - Non-operating Relative Humidity: 5% to 95% (non-condensing)

Parts List - (Items Included)

	Part Number	Qty	Description
Motherboard / Chassis	MBD-X11DPG-OT-CPU	1	Super X11DPG-OT-CPU Motherboard
	MBD-X9DRG-O-PCIE	1	Super X9DRG-O-PCIE Motherboard
	CSE-418GTS-R4000B	1	CSE-418GTS-R4000B Chassis
Backplane	BPN-SAS3-216A-N4	1	24-port 2U SAS3 12Gbps hybrid backplane, support up to 20x 2.5-inch SAS3/SATA3 HDD/SSD and 4x SAS3/SATA3/NVMe Storage Devices
Cable 1	CBL-0449L	2	HDD power extension for X8OBN, special 8 pin to 4 HDD. 45cm. 18AWG
Cable 2	CBL-PWEX-1028	8	GPU,2x4F/CPU to 2x4F/CPU,P4.2, 30CM,16AWG, 10A/pin, -40~105C
Cable 3	CBL-SAST-0507-01	2	MINI SAS HD-MINI SAS,6G,INT,80CM,SB,28AWG
Cable 4	CBL-SAST-0972	2	OcuLink V. 1.0 source to MiniSAS HD,INT,PCIe, 70CM,34AWG,RoH
Parts	MCP-130-41801-0B	1	Black plastic palm cover for X9DRG-O-PCIE
Riser Card	RSC-X9DRG-O	4	RSC-X9DRG-O
Heatsink / Retention	SNK-P0068APS4	2	2U Active CPU Heat Sink Supporting Narrow Bolster Plate Mounting Mechanism for X11 Purley Platform
Power Supply	PWS-2K05A-1R	4	1U 2000W Redundant Titanium Power Supply W/PMbus 73.5x40x265mm,RoHS/REACH
FAN 1	FAN-0151L4	8	92x92x38 mm, 11.5K RPM, SC418G Middle Fan w/ Housing,RoHS/REACH,PBF
Rear Window	MCP-240-84802-0N	1	21 slot rear window for SC418X

Optional Parts List

	Part Number	Qty	Description
AMD MI25 GPU Cables	CBL-PWEX-0665	2 per GPU	GPU power cable, PCIe 8 pin female (black) to CPU 8 pin female (white), 30cm, 18AWG
NVIDIA Quadro & Generic GPU Cables	CBL-PWEX-1040	1 per GPU	GPU,2x4M/CPU to two (2x3F+2x1F)/PCIe,P4.2, 5CM,16/20AWG, 10.5A/pin(16AWG), 8A/pin(20AWG), -25~85C,RoHS
Storage Control Card and Cable for 2x Hybrid NVMe/SAS Drive Bays	AOC-S3008L-L8e & CBL-SAST-0531	2	Std LP, 8 internal ports, 12Gb/s per port- Gen3, 122 HDD, HBA
	AOC-S3008L-L8i & CBL-SAST-0531	2	Std LP, 8 internal ports, 12Gb/s per port- Gen3, 63 HDD, RAID 0,1,1E
	AOC-S3108L-L8iR & CBL-SAST-0531	2	Std LP, 8 internal ports, 12Gb/s per port- Gen3, 240 HDD, RAID 0,1,5,6,10,50,60
Super Cap for LSI 3108	BKT-BBU-BRACKET-05	1	Mounting Bracket for LSI BBUs
Global Services & Support	BTR-TFM8G-LSICVM02	1	LSI Super Cap
	OS4HR3/2/1	-	3/2/1-year onsite 24x7x4 service
Software	OSNBD3/2/1	-	3/2/1-year onsite NBD service
	SFT-OOB-LIC	1	OOB Management Package (per node license)
Software	SFT-DCMS-Single	1	DataCenter Management Package (per node license)

<https://www.superstorage.pl/supermicro-superserver-sys-4029gp-trt-4u-dp-8xgpu-24xsff-2x10gbe-red-psu-p-3857.html>