

Supermicro SuperServer SYS-2029GP-TR 2U DP 6xGPU 8xSFF 2xNVMe SIOM RED PSU

Kod producenta: SYS-2029GP-TR



Chassis Form Factor	Rack 2U
CPU Socket	LGA 3647 (Socket P)
# of CPU sockets	2
Supported CPU's	Intel Xeon Scalable 2nd Gen Intel Xeon Scalable 1st Gen
Max CPU TDP	205 W
Chipset	Intel C621
Memory Type	DDR4 ECC LRDIMM DDR4 ECC RDIMM
Memory Speed	2666 MHz 2400 MHz 2133 MHz
# of DIMM's	16
Max Memory Size	2048 GB
Integrated GPU	Aspeed AST2500
Hardware GPU	up to 6 Nvidia® Tesla® GPUs
# of 2.5 hot-swap bays	10
# of 2.5 NVMe bays	2
# of PCIe x16 3.0	6
# of PCIe x8 3.0	1
# of USB Ports	2 x USB 3.0 (rear)
# of SATA Ports	2
Storage Controllers	2 x SATA 6Gb/s
Integrated RAID	0,1,5,10
# of Serial Ports	1 x Fast UART 16550 (header)
Network Controllers	SIOM Networkgr
Integrated BMC	IPMI Dedicated RJ45
BMC chip	Aspeed AST2500
Power Supply	Redundant
PSU Wattage	2000 W
PSU Certification	80+ Platinum
Chassis Dimensions	437 x 89 x 787mm

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). Kompletny serwer lub platforma serwerowa wymaga zamówienia

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wybranego modułu SIOM. 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 pełne wsparcie techniczne do zakupionych u nas serwerów.

Product SKUs

SYS-2029GP-TR • SuperServer 2029GP-TR (Black)

Motherboard

Super X11DPG-SN

Processor/Cache

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

System Memory

- 16 DIMM slots
- Memory Capacity
- Up to 2TB ECC 3DS LRDIMM, 2TB ECC RDIMM, DDR4 up to 2666MHz
- Memory Type
- 2666/2400/2133MHz ECC DDR4 SDRAM

On-Board Devices

- Chipset
- Intel® C621 chipset
- SATA
- SATA3 (6Gbps) with RAID 0, 1, 5, 10
 - Support for Intelligent Platform Management Interface v.2.0
- IPMI
- IPMI 2.0 with virtual media over LAN and KVM-over-LAN support
- Graphics
- ASPEED AST2400 BMC

Input / Output

- SATA
- 2 SATA3 (6Gbps) ports, 2 miniSAS ports
- LAN
- 1 RJ45 Dedicated IPMI LAN port
- USB
- 2 USB 3.0 ports (rear)
- Video
- 1 VGA port
- Serial Header
- 1 Fast UART 16540 header

System BIOS

- BIOS Type
- AMI 256Mb SPI Flash ROM

Management

- Software
- Intel® Node Manager
 - [IPMI 2.0](#)
 - KVM with dedicated LAN
 - [SSM](#), [SPM](#), [SUM](#)
 - [SuperDoctor® 5](#)
 - Watch Dog
- Power Configurations
- ACPI / APM Power Management

PC Health Monitoring

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

Chassis

- Form Factor
- 2U Rackmount
- Model
- CSE-218GH-R2K03B

Dimensions and Weight

- Height
- 3.5" (89mm)
- Width
- 17.2" (437mm)
- Depth
- 31" (787mm)
- Package
- 26.5" (H) x 11" (W) x 44.5" (D)
- Weight
- Net Weight: 39.5 lbs (17.9 kg)
 - Gross Weight: 54 lbs (24.5 kg)
- Available Color
- Black

Front Panel

- Buttons
- Power On/Off button
 - System Reset button
 - Power LED
 - Hard drive activity LED
 - Network activity LEDs
- LEDs
- System Overheat LED / Fan fail LED / UID LED

Expansion Slots

- PCI-Express
- 6 PCI-E 3.0 x16 slots
 - 1 PCI-E 3.0 x8 (in x16, LP) slot

Drive Bays

- Hot-swap
- 10 Hot-swap 2.5" drive bays

System Cooling

- Fans
- 5x 8cm Heavy duty fans with optimal fan speed control

Power Supply

2000W 1U 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 / 12.5-10.5A / 40-60Hz
 - 200-220Vac / 10-9.5A / 40-60Hz
 - 220-230Vac / 10-9.8A / 40-60Hz
 - 230-240Vac / 10-9.8A / 40-60Hz
 - 200-240Vac / 10-9.8A (UL/cUL only)
 - 200-240Vdc / 10-9.1A (CCC only)
 - Max: 83.3A / Min: 0.1A (100-120Vac)
 - Max: 140A / Min: 0.1A (200-220Vac)
 - Max: 165A / Min: 0.1A (220-230Vac)
 - Max: 166.7A / Min: 0.1A (230-240Vac)
 - Max: 166.7A / Min: 0.1A (200-240Vac) (UL/cUL only)
- +12V
- Max: 3.5A / Min: 0A
- 12V SB
- Max: 3.5A / Min: 0A
- Output Type
- 25 Pairs Gold Finger Connector
- Certification
- 
- Platinum Level
- [[Test Report](#)]

Operating Environment

- RoHS
- RoHS Compliant
- Environmental Spec.
- Operating Temperature: 10°C ~ 35°C (40°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-SN	1	Super X11DPG-SN Motherboard
	CSE-218GH-R2K03B	1	CSE-218GH-R2K03B Chassis
Backplane	BPN-SAS3-218GH-N2	1	2U 10-Port Hybrid Backplane Supports 8 x 2.5" SAS3/SATA3 HDD/SSD and 2 x 2.5" SAS3/SATA3/NVMe Storage Device for GPU Platform,HF,RoHS
Cable 1	CBL-0157L	1	CBL,SGPIO,2X4F TO 2X4F,P2.54,RIBBON IN RND TUBE,40CM,28AWG
Cable 2	CBL-PWEX-1028	6	GPU,2x4F/CPU to 2x4F/CPU,P4.2, 30CM,16AWG, 10A/pin, -40~105C
Cable 3	CBL-PWEX-1064	1	8pin CPU 12V to 4pin x 2pcs 280mm,HF,RoHS
Cable 4	CBL-SAST-0624	2	SATA,INT,ROUND,ST-ST,70CM,30AWG
Cable 5	CBL-SAST-0974-1	2	OcuLink v 1.0,INT,PCIe NVMe SSD, 37CM,34AWG
Cable 6	CBL-SAST-1014	2	MINI SAS HD(RA)-MINI SAS,INT,70CM,30AWG,RoHS
Riser Card	RSC-G2B-A66-X1	1	2U Rear Left hand side Active GPU riser card with two PCI-E
Riser Card	RSC-G2F-A66-X1	1	2U Front LHS Active GPU riser card with two PCI-E x16 slots
Riser Card	RSC-G2FR-A66	1	RSC-G2FR-A66-O-P
Riser Card	RSC-R2UG-E16R-X9	1	RSC-R2UG-E16R-X9
Heatsink / Retention	SNK-P0068PS	1	2U Passive CPU Heat Sink for X11 Purley Platform Equipped with a Narrow Retention Mechanism
Heatsink / Retention	SNK-P0068PSC	1	2U Passive CPU Heat Sink with a Side Air Channel for X11 Purley Platform Equipped with a Narrow Retention Mechanism
Power Supply	PWS-2K03P-1R	2	1U 2000W Redundant Power Supply Platinum 73.5mm width.,RoHS/REACH
Rail Set	MCP-290-00054-0N	1	Rail set, quick/quick, optional for 1U 17.2"W SC815

Optional Parts List

	Part Number	Qty	Description
AOC-S3008L-L8i (SAS3)	CBL-SAST-0593	2	Internal Mini-SAS HD to Mini-SAS HD 60cm
AOC-S3108L-H8IR-16DD (SAS3)	CBL-SAST-0593	2	Internal Mini-SAS HD to Mini-SAS HD 60cm
AOC-S3108L-H8IR (SAS3)	CBL-SAST-0593	2	Internal Mini-SAS HD to Mini-SAS HD 60cm
Super Cap for LSI 3108	BKT-BBU-BRACKET-05	1	Mounting Bracket for LSI BBUs
	BTR-TFM8G-LSICVM02	1	LSI Super Cap
Global Services & Support	OS4HR3/2/1	-	3/2/1-year onsite 24x7x4 service
	OSNBD3/2/1	-	3/2/1-year onsite NBD service
Software	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-2029gp-tr-2u-dp-6xgpu-8xsff-2xnvme-siom-red-psu-p-3854.html>