

Supermicro SuperServer SYS-1029GQ-TXRT 1U DP 4xGPU P100 SXM2 2xSFF 2x10GbE RED PSU

Kod producenta: SYS-1029GQ-TXRT



Chassis Form Factor	Rack 1U
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	165 W
Chipset	Intel C621
Memory Type	DDR4 ECC LRDIMM DDR4 ECC RDIMM
Memory Speed	2933 MHz 2666 MHz 2400 MHz 2133 MHz
# of DIMM's	12
Max Memory Size	1536 GB
Integrated GPU	Aspeed AST2500
Hardware GPU	up to 4 Nvidia® Tesla® P100 SXM2 GPUs
# of 2.5 hot-swap bays	2
# of PCIe x16 3.0	4
# of USB Ports	2 x USB 3.0 (rear)
# of SATA Ports	4
Storage Controllers	4 x SATA 6Gb/s
Integrated RAID	0,1,5,10
# of Serial Ports	1 x Fast UART 16550 (header)
# of 10GbE Ports	2 x RJ45
Network Controllers	Intel X540 Dual Port 10GBase-T
Integrated BMC	IPMI Dedicated RJ45
BMC chip	Aspeed AST2500
Power Supply	Redundant 1+1
PSU Wattage	2000 W
PSU Certification	80+ Titanium
Chassis Dimensions	437 x 43 x 894 mm

Poniżej prezentujemy szczegółowy opis techniczny oferowanego produktu:

UWAGA !!!

Ze względu na wysoki stopień integracji platforma dostępna jest tylko i wyłącznie jako gotowy system wraz z CPU, RAM i HDD oraz dodatkowymi kartami rozszerzeń. Prosimy o kontakt z nami w celu

przedstawienia oferty na interesującą Państwa konfigurację.

Product SKUs

SYS-1029GQ-TXRT • SuperServer 1029GQ-TXRT (**Black**)

Motherboard

Super X11DGQ

Processor/Cache

- CPU**
- Dual Socket P (LGA 3647)
 - Intel® Xeon® Scalable Processors, 3 UPI up to 10.4GT/s
 - Support CPU TDP up to 165W
- Cores**
- Up to 28 Cores with Intel® HT Technology
- GPU**
- 4 Nvidia® Tesla® P100 SXM2 GPUs
 - NVIDIA® NVLINK™ up to 80GB/s

System Memory

- 12 DIMM slots
- Memory Capacity** • Up to 1.5TB ECC 3DS LRDIMM, 1.5TB ECC RDIMM, DDR4 up to 2666MHz
- Memory Type** • 2666/2400/2133MHz ECC DDR4 SDRAM

On-Board Devices

- Chipset**
- Intel® C621 chipset
 - SATA3 (6Gbps) with RAID 0, 1, 5, 10
- SATA**
- Intel® X540 Dual Port 10GBase-T
 - Virtual Machine Device Queues reduce I/O overhead
- Network Connectivity**
- Supports 10GBASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output
 - 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
- IPMI**
- Graphics**

Input / Output

- SATA** • 4 SATA3 (6Gbps) ports
- LAN** • 2 RJ45 10GBase-T ports
• 1 RJ45 Dedicated IPMI LAN port
- USB** • 2 USB 3.0 ports (rear)
- Video** • 1 VGA port
- Serial Header** • 1 Fast UART 16550 header

System BIOS

- BIOS Type** • AMI 32Mb SPI Flash ROM

Management

- 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** • 1U Rackmount
- Model** • **CSE-118GQPTS-R2K05P2**

Dimensions and Weight

- Height** • 1.7" (43mm)
- Width** • 17.2" (437mm)
- Depth** • 35.2" (894mm)
• 39.3" (997mm) with rails
- Package** • 24" (H) x 8" (W) x 46" (D)
- Weight** • Net Weight: 45 lbs (20.41 kg)
• Gross Weight: 58 lbs (26.31 kg)
- Available Color** • Black

Front Panel

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

Expansion Slots

- PCI-Express** • 4 PCI-E 3.0 x16 slots

Drive Bays

- 2 Hot-swap 2.5" SAS/SATA drive bays
- Hot-swap** Note: Can be upgraded to 2 U.2 NVMe drives by addition of optional NVMe kit (please see details in optional parts list below).
- Fixed** • 2 Internal 2.5" drive bays
- M.2** • Support 1x M.2 2242/2260/2280
• Support M.2 SATA and NVMe

System Cooling

- Fans** • 7 Heavy duty 4cm counter-rotating fans with air shroud & optimal fan speed control

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)
 - 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)
- +12V** • 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**
- 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)
- Environmental Spec.**
- 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-X11DGQ	1	Super X11DGQ Motherboard
	CSE-118GQPTS-R2K05P2	1	CSE-118GQPTS-R2K05P2 Chassis
Add-on Card / Module	AOM-PIO-I2XT-P	1	AOM-PIO-I2XT
Backplane	BPN-SAS3-118GQE	1	2-port 1U SAS3 12Gbps backplane, support up to 2x 2.5-inch SAS3/SATA3 HDD/SSD
Cable 1	CBL-0484L	4	SATA,INT,ROUND,ST-ST,55CM,30AWG
Cable 2	CBL-PWEX-1025	3	GPU,2x4F/RA/CPU to 2x4F/RA/CPU,P4.2, 6CM,17AWG, 8A/pin, -25~85C, RoHS
Cable 3	CBL-PWEX-1028	1	GPU,2x4F/CPU to 2x4F/CPU,P4.2, 30CM,16AWG, 10A/pin, -40~105C
Cable 4	CBL-SAST-0934-12	4	Oculink-Oculink X8 Cable 50cm 34AWG,RoHS
Riser Card	RSC-G-A66-X1	1	1U RHS Active Rear Riser card with two PCI-E x16 Slot,HF,RoH
Riser Card	RSC-GN2-66	1	1U Passive LHS GPU Riser Card with two NVMe ports and two PC
Heatsink / Retention	SNK-P0067PS	2	1U Passive CPU Heat Sink for X11 Purley Platform Equipped with a Narrow Retention Mechanism
Heatsink / Retention	SNK-P4004V	4	1U Passive GPU Heat Sink for NVIDIA SXM2 Module Equipped with Pascal or Volta GPU
Power Supply	PWS-2K05A-1R	2	1U 2000W Redundant Titanium Power Supply W/PMbus 73.5x40x265mm,RoHS/REACH
FAN 1	FAN-0163L4	7	40x40x56 mm, 23.3K-20.3K RPM, Counter-rotating Fan
Rear Window	MCP-240-11807-0N	1	SC118GQE Rear Window for 2x PCI-FL or 4th GPU
Rail Set	MCP-290-11809-0N	1	Rail set, Quick/Quick, Auto Latch, travel 535mm Short Version, Post to Post 685mm

Optional Parts List

	Part Number	Qty	Description
AOC-S3008L-L8i (SAS3)	CBL-SAST-0699	1	Mini SAS HD to 4 SATA 12G
AOC-S3108L-H8IR-16DD (SAS3)	CBL-SAST-0699	1	Mini SAS HD to 4 SATA 12G
AOC-S3108L-H8IR (SAS3)	CBL-SAST-0699	1	Mini SAS HD to 4 SATA 12G
Super Cap for LSI 3108	BKT-BBU-BRACKET-05	1	Mounting Bracket for LSI BBUs
	BTR-TFM8G-LSICVM02	1	LSI Super Cap
SXM2 GPU Dummy	MCP-120-11812-0N	1	Optional SXM2 GPU dummy
U.2 NVMe Kit	BPN-NVMe3-118GQE	1	NVMe Backplane
	CBL-SAST-0935-12	1	Oculink cable x8
	MCP-220-00121-0B	2	NVMe HS tray
TPM	AOM-TPM-9670H	-	SPI capable horizontal TPM 2.0 provisioned for client,RoHS
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)

Strona firmowa produktu:

<https://www.superstorage.pl/supermicro-superserver-sys-1029ggq-txrt-1u-dp-4xgpu-p100-sxm2-2xsff-2x10gbe-red-psu-p-3849.html>