

# Supermicro SuperServer SYS-1029TP-DC0R 1U Twin DP 2x4SFF LSI 3008 RED PSU

Kod producenta: SYS-1029TP-DC0R



Chassis Form Factor	Rack 1U
# of systems (nodes)	2
CPU Socket	LGA 3647 (Socket P)
# of CPU sockets (per node)	2
Supported CPU's	Intel Xeon Scalable 1st Gen Intel Xeon Scalable 2nd Gen
Max CPU TDP	145 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 (per node)	16
Max Memory Size (per node)	2048 GB
Integrated GPU	Aspeed AST2500
# of 2.5 hot-swap bays (per node)	4
Backplanes	SAS3
# of PCIe x16 3.0 (per node)	2
# of USB Ports (per node)	2 x USB 3.0 (rear)
# of SAS Ports (per node)	4
Storage Controllers	LSI 3008 12Gb/s
Integrated RAID	0,1,10
# of Serial Ports (per node)	1 x Fast UART 16550 (header)
Network Controllers	SIOM Networking AOC Matrix
Integrated BMC	IPMI Dedicated RJ45
BMC chip	Aspeed AST2500
Power Supply	Redundant 1+1
PSU Wattage	1000 W
PSU Certification	80+ Titanium
Chassis Dimensions	437 x 88 x 718 mm
Uwagi	PCI-Express Slots Configuration: 2x PCI-E 3.0 x16 Low-profile slots 1x SIOM card support Note: Must bundle with SIOM

*Poniżej prezentujemy szczegółowy opis techniczny oferowanego produktu:*

## Product SKUs

SYS-1029TP-DC0R • SuperServer 1029TP-DC0R (**Black**)

## Motherboard

### [Super X11DPT-PS](#)

## Processor/Cache

CPU • Dual Socket P (LGA 3647)  
• Intel® Xeon® Scalable Processors,  
Dual UPI up to 10.4GT/s  
• Support CPU TDP 70-145W

Cores • Up to 28 Cores with Intel® HT Technology

## System Memory

Memory Capacity • 16 DIMM slots  
• 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  
• Broadcom 3008 SAS3 (12Gbps) controller;  
SW RAID 0, 1, 10 support  
SAS • Must bundle with at least one **SIOM per node**  
• Support for Intelligent Platform Management Interface v.2.0  
Network Controllers • IPMI 2.0 with virtual media over LAN and KVM-over-LAN support  
IPMI • ASPEED AST2500 BMC  
Graphics

## Input / Output (per Node)

SAS • 4 SAS3 (12Gbps) ports  
LAN • 1 RJ45 Dedicated IPMI LAN port  
USB • 2 USB 3.0 ports (rear)  
VGA • 1 VGA port  
Serial Port / Header • 1 Fast UART 16550 port / 1 Header (internal)  
Others • 2 [SuperDOM](#) support on the motherboard

## System BIOS

BIOS Type • AMI 32MB SPI Flash ROM

## Management

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

Power Configurations • ACPI 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-809H-R1K05P2](#)

## Dimensions and Weight

Width • 17.2" (437mm)  
Height • 1.7" (88mm)  
Depth • 28.25" (718mm)  
Package • 29.6" (W) x 8" (H) x 38.4" (L)  
Weight • Gross Weight: 48.1 lbs (21.9 kg)  
• Net Weight: 33.5 lbs (15.2 kg)

## Front Panel

Buttons • Power On/Off button  
• UID button  
• Power status LED  
• HDD activity LED  
LEDs • Network activity LEDs  
• Universal Information (UID) LED

## Expansion Slots (per Node)

• 2 PCI-E 3.0 x16 Low-profile slots  
• 1 SIOM card support

## PCI-Express

Note: Must bundle with [SIOM](#)  
**(With only one CPU installed, SXB2 M.2 and SXB4 riser card slots not function)**

## Drive Bays (per Node)

Hot-swap • 4 Hot-swap 2.5" SAS3/SATA3 drive bays

## Backplane

SAS3 backplane

## System Cooling

Fans • 3 Heavy duty counter rotating fans with air shroud and optimal fan speed control

## PowerStick Power Supply

1000W 1U Redundant Power Supplies with PMBus

Total Output Power • 800W/1000W

Dimension (W x H x L) • 38 x 40 x 360 mm

Input • 100-127Vac / 9-7.5A / 50-60Hz  
• 200-240Vac / 6-5A / 50-60Hz  
+12V • Max: 66.7A / Min: 0A (100-127Vac)  
• Max: 83A / Min: 0A (200-240Vac)

+5Vsb • Max: 4A / Min: 0A

Output Type • Gold Finger Connector (16 Power Pin, 14 Signal Pin)

UL/cUL/CB/BSMI/CE/CCC  
**Titanium Level**  
(Cert. in progress)

## 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)

## UWAGA !!!

Oferowany produkt to platforma serwerowa służąca do budowy swojej własnej konfiguracji serwera

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*(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 pełne wsparcie techniczne do zakupionych u nas serwerów.*

Strona firmowa produktu:

<https://www.superstorage.pl/supermicro-superserver-sys-1029tp-dc0r-1u-twin-dp-2x4sff-lsi-3008-red-psu-p-3397.html>