

# Supermicro SuperServer SYS-6029TP-HC1R 2U Twin^2 DP 4x3LFF LSI 3108 RED PSU

Kod producenta: SYS-6029TP-HC1R



Chassis Form Factor	Rack 2U
# of systems (nodes)	4
CPU Socket	LGA 3647 (Socket P)
# of CPU's (per node)	2
Supported CPU's	Intel Xeon Scalable Processors
Max CPU TDP	165 W
Chipset	Intel C621
Memory Type	DDR4 ECC 3DS LRDIMM DDR4 ECC RDIMM
Memory Frequency	2666 MHz 2400 MHz 2133 MHz
# of DIMM's (per node)	16
Max Memory Size (per node)	2048 GB
Integrated Graphics	Aspeed AST2500
# of 3.5 hot-swap bays (per node)	3
# of PCIe x16 3.0 (per node)	2
# of USB Ports (per node)	2 x USB 3.0 (rear)
# of SAS Ports (per node)	3
Storage Controllers	3 x SAS3 LSI 3108 12Gb/s
Integrated RAID	0,1,5
# of Serial Ports (per node)	1 x Fast UART 16550 (header)
Network Controllers	SIOM Networking AOC Matrix
Integrated BMC	IPMI 2.0 KVM-over-LAN Virtual Media over LAN IPMI Dedicated RJ45 PHY
BMC chip	Aspeed AST2500
Power Supply	Redundant
PSU Wattage	2200W
PSU Certification	80+ Titanium
Chassis Dimensions	438 x 88 x 774mm
Uwagi	PCI-Express Slots Configuration: 2x PCI-E 3.0 x16 Low-profile slots 1x SIOM card support Note: Must bundle with Network Card

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 pełne wsparcie techniczne do zakupionych u nas serwerów.*

## Product SKUs

SYS-6029TP-HC1R • SuperServer 6029TP-HC1R (**Black**)

## Motherboard

### Super X11DPT-PS

#### Processor/Cache (per Node)

- CPU
  - Dual Socket P (LGA 3647)
  - Intel® Xeon® Scalable Processors, Dual UPI up to 10.4GT/s
  - Support CPU TDP 70-165W with IVR
- Cores
  - Up to 28 Cores with Intel® HT Technology

#### System Memory (per Node)

- 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
- SAS
  - Broadcom 3108 SAS3 (12Gbps) controller;
  - RAID 0, 1, 5 support
- Network Controllers
  - Must bundle with at least one **SIOM or network card per node**
  - 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 AST2500 BMC

#### Input / Output (per Node)

- SAS
  - 3 SAS3 (12Gbps) ports
- LAN
  - 1 RJ45 Dedicated IPMI LAN port
- USB
  - 2 USB 3.0 ports total (rear)
- VGA
  - 1 VGA port
- Serial Port / Header
  - 1 Fast UART 16550 port / 1 Header (internal)
- Others
  - 2 [SATADOM](#) 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.
  - 5+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
- Omni-Path Fabric CPUs
  - Do not support

## Chassis

- Form Factor
  - 2U Rackmount
- Model
  - **CSE-827HQ+-R2K20BP2**

## Dimensions and Weight

- Width
  - 17.25" (438mm)
- Height
  - 3.47" (88mm)
- Depth
  - 30.5" (774mm)
- Weight
  - Gross Weight: 90 lbs (40.9kg)
  - Net Weight: 72 lbs (32.7 kg)
- Available Colors
  - Black

## 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

Note: Must bundle with Network Card

(With only one CPU installed, SXB2 M.2 and SXB4 riser card slots not function)

## Drive Bays (per Node)

- Hot-swap
  - 3 Hot-swap 3.5" SAS/SATA HDD trays

## System Cooling

- Fans
  - 4 Heavy duty 8cm PWM fans with optimal fan speed control

## Power Supply

2200W Redundant Power Supplies with PMBus

- 1200W with Input 100-127Vac
- 1800W with Input 200-220Vac
- 1980W with Input 220-230Vac
- 2090W with Input 230-240Vac
- 2200W with Input 220-240Vac (for UL/cUL use only)
- 2090W with Input 230-240Vdc (for CCC only)

Total Output Power and Input

- AC Input Frequency
  - 50-60Hz
- Dimension (W x H x L)
  - 76 x 40 x 336 mm
  - Max: 100A / Min: 0A (100-127Vac)
  - Max: 150A / Min: 0A (200-220Vac)
  - Max: 165A / Min: 0A (220-230Vac)
  - Max: 174.17A / Min: 0A (230-240Vac)
  - Max: 183.3A / Min: 0A (220-240Vac)
- +12V
  - Max: 1A / Min: 0A

- 5VSB
  - Max: 1A / Min: 0A
- Output Type
  - Backplanes (gold finger)



Certification UL/cUL/CB/BSMI/CE/CCC  
**Titanium Level**  
**[ Cert. in progress ]**

## Operating Environment

- RoHS
  - RoHS Compliant
- Environmental Spec.
  - 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)

Strona firmowa produktu: [http://www.superstorage.pl/product\\_info.php?products\\_id=3427](http://www.superstorage.pl/product_info.php?products_id=3427)