

# Supermicro SuperServer SYS-2029TP-HTR 2U Twin<sup>^</sup>2 DP 4x6SFF RED PSU

Kod producenta: SYS-2029TP-HTR



Chassis Form Factor	Rack 2U
# of systems (nodes)	4
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	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 (per node)	16
Max Memory Size (per node)	2048 GB
Integrated GPU	Aspeed AST2500
# of 2.5 hot-swap bays (per node)	6
# of PCIe x16 3.0 (per node)	2
# of USB Ports (per node)	2 x USB 3.0 (rear)
# of SATA Ports (per node)	6
Storage Controllers	6 x AHCI iSATA 6Gb/s 4 x sSATA 6Gb/s
Integrated RAID	0,1,5,10
# 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	2200 W
PSU Certification	80+ Titanium
Chassis Dimensions	438 x 88 x 724 mm
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-2029TP-HTR • SuperServer 2029TP-HTR (**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
- SATA
  - SATA3 (6Gbps); RAID 0, 1, 5, 10 support
  - Must bundle with at least one **SIOM or network card per node**
- Network Controllers
  - 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)

- SATA
  - 6 SATA3 (6Gbps) 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 **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-217HQ+-R2K20BP3**

#### Dimensions and Weight

- Width
  - 17.25" (438mm)
- Height
  - 3.47" (88mm)
- Depth
  - 28.5" (724mm)
- 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 PCI-Express Card

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

#### Drive Bays (per Node)

- Hot-swap
  - 6 Hot-swap 2.5" SATA3 drive bays

#### 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)
- +12V
  - Max: 174.17A / Min: 0A (230-240Vac)
  - Max: 183.3A / Min: 0A (220-240Vac)
- 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:

<https://www.superstorage.pl/supermicro-superserver-sys-2029tp-htr-2u-twin2-dp-4x6sff-red-psu-p-3413.html>