

Supermicro SuperServer SYS-2029U-TR4 2U DP 24xSFF 4xGbE RED PSU

Kod producenta: SYS-2029U-TR4



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 1stt 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	24
Max Memory Size	3072 GB
Integrated GPU	Aspeed AST2500
# of 2.5 hot-swap bays	24
Backplanes	SAS3/SATA3
# of PCIe x16 3.0	1
# of PCIe x8 3.0	7
# of USB Ports	2 x USB 3.0 (rear) 2 x USB 3.0 (on board header) 1 x USB 3.0 Type A
# of SATA Ports	14
# of Super DOM	2
Storage Controllers	8 x AHCI iSATA 6Gb/s 6 x sSATA 6Gb/s
Integrated RAID	0,1,5,10
# of Serial Ports	1 x Fast UART 16550 (header)
# of 1GbE Ports	4 x RJ45
Network Controllers	Intel i350 Quad Port Gigabit Ethernet (AOC-2UR68-i4G)
Integrated BMC	IPMI Dedicated RJ45
BMC chip	Aspeed AST2500
Power Supply	Redundant
PSU Wattage	1000 W
PSU Certification	80+ Titanium
Chassis Dimensions	437 x 89 x 705mm
Uwagi	Hot-swap Configuration: 24x Hot-swap 2.5" drive bays: 14x SATA3 (optional 20x SAS3+4x NVMe/SAS3) 1x M.2 NVMe & 1x M.2 SATA3 via optional RSC-UMR-8 2x M.2 NVMe via optional AOC-2UR68-i4G

Product SKUs
SYS-2029U-TR4 • SuperServer 2029U-TR4 (Black)

Motherboard

Super X11DPU

Processor/Cache

- CPU
- Cores
- Dual Socket P (LGA 3647)
 - Intel® Xeon® Scalable Processors, Dual UPI up to 10.4GT/s
 - Support CPU TDP 70-205W with IVR
 - Up to 28 Cores with Intel® HT Technology

System Memory

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

On-Board Devices

- Chipset
- SATA
- Network Connectivity
- IPMI
- Graphics
- Intel® C621 chipset
 - SATA3 (6Gbps); RAID 0, 1, 5, 10
 - 4x 1GbE LAN ports via Intel® i350 (AOC-2UR68-i4G)
 - 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

Input / Output

- SATA
- LAN
- USB
- Video
- Serial Header
- DOM
- 14 SATA3 (6Gbps) ports
 - 4 RJ45 1GbE LAN ports
 - 1 RJ45 Dedicated IPMI LAN port
 - 5 USB 3.0 ports (2 rear, 2 onboard header, 1 Type A)
 - 1 VGA Connector
 - 1 Serial header
 - 2 SuperDOM (Disk on Module) ports

System BIOS

- BIOS Type
- AMI 32Mb SPI Flash ROM

Management

-
- Software
- Power Configurations
- Intel® Node Manager
 - [Redfish API](#)
 - [IPMI 2.0](#)
 - KVM with dedicated LAN
 - NMI
 - [SSM](#), [SPM](#), [SUM](#)
 - [SuperDoctor® 5](#)
 - ACPI Power Management

PC Health Monitoring

- CPU
- FAN
- Temperature
- Monitors for CPU Cores, Chipset Voltages, Memory.
 - 4+1 Phase-switching voltage regulator
 - Fans with tachometer monitoring
 - Status monitor for speed control
 - Pulse Width Modulated (PWM) fan connectors
 - Monitoring for CPU and chassis environment
 - Thermal Control for 8x fan connectors

Chassis

- Form Factor
- Model
- 2U Rackmount
 - CSE-219U2AC4-R1K02-T

Dimensions and Weight

- Width
- Height
- Depth
- Weight
- Available Colors
- 17.2" (437mm)
 - 3.5" (89mm)
 - 27.76" (705.3mm)
 - Net Weight: 36 lbs (16.4 kg)
 - Gross Weight: 72 lbs (32.7 kg)
 - Black

Front Panel

- Buttons
- LEDs
- Power On/Off button
 - System Reset button
 - Power status LED
 - HDD activity LED
 - Network activity LEDs
 - System information (overheat/UID) LED

Expansion Slots

-
- PCI-Express
- 1 PCI-E 3.0 x16 (FH, 10.5" L)
 - 5 PCI-E 3.0 x8 (FH, 10.5" L)
 - 1 PCI-E 3.0 x8 (LP)
 - 1 PCI-E 3.0 x8 (internal LP)
- (Both CPUs need to be installed for full access to PCI-E slots and onboard controllers. See manual block diagram and [AOC Support](#) for details.)

Drive Bays

- Hot-swap
- 24 Hot-swap 2.5" drive bays; 14 SATA3 (optional 20 SAS3 + 4 NVMe/SAS3)

Backplane

2U SAS/SATA backplane

System Cooling

- Fans
- 4 Heavy duty 8cm PWM fans

Power Supply

- 1000W Redundant Power Supplies with PMBus
- Total Output Power
- Dimension (W x H x L)
- Input
- +12V
- 12Vsb
- Output Type
- 800W/1000W
 - 73.5 x 40 x 203 mm
 - 100-127Vac / 9.8 - 7A / 50-60Hz
 - 200-240Vac / 7 - 5A / 50-60Hz
 - Max: 66.7A / Min: 0A (100-127Vac)
 - Max: 83A / Min: 0A (200-240Vac)
 - Max: 2.1A / Min: 0A
 - 25 Pairs Gold Finger Connector



- Certification
- UL/cUL/CB/BSMI/CE/CCC
 - Titanium Level
 - [\[Test Report \]](#)

Operating Environment

- RoHS
- Environmental Spec.
- 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)
 - Operating Relative Humidity: 8% to 90% (non-condensing)
 - Non-operating Relative Humidity: 5% to 95% (non-condensing)

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.

Strona firmowa produktu:

<https://www.superstorage.pl/supermicro-superserver-sys-2029u-tr4-2u-dp-24xsff-4xgbe-red-psu-p-3258.html>