

# Supermicro SuperServer SYS-2029U-TR25M 2U DP 24xSFF 2x25GbE RED PSU

Kod producenta: SYS-2029U-TR25M



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 1st 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 25GbE Ports	2 x SFP28
Network Controllers	25GbE SFP28 ports via AOC-2UR68-m2TS (Mellanox ConnectX-4 Lx EN)
Integrated BMC	IPMI Dedicated RJ45
BMC chip	Aspeed AST2500
TPM	1 x TPM 1.2 20-pin Header
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

## **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-2029U-TR25M • SuperServer 2029U-TR25M (Black)

## Motherboard

### Super X11DPU

## Processor/Cache

CPU	<ul style="list-style-type: none"><li>Dual Socket P (LGA 3647)</li><li>Intel® Xeon® Scalable Processors, Dual UPI up to 10.4GT/s</li><li>Support CPU TDP 70-205W</li></ul>
Cores	<ul style="list-style-type: none"><li>Up to 28 Cores with Intel® HT Technology</li></ul>

## System Memory

Memory Capacity	<ul style="list-style-type: none"><li>24 DIMM slots</li><li>Up to 3TB ECC 3DS LRDIMM, 3TB ECC RDIMM, DDR4 up to 2666MHz</li></ul>
Memory Type	<ul style="list-style-type: none"><li>2666/2400/2133MHz ECC DDR4 SDRAM</li><li>2666 ECC DDR4 NVDIMM</li></ul>

## On-Board Devices

Chipset	<ul style="list-style-type: none"><li>Intel® C621 chipset</li></ul>
SATA	<ul style="list-style-type: none"><li>SATA3 (6Gbps); RAID 0, 1, 5, 10</li><li>2 25GbE SFP28 ports via AOC-2UR68-M2TS-O (Mellanox ConnectX-4 Lx EN)</li></ul>
Network Connectivity	<ul style="list-style-type: none"><li>Support for Intelligent Platform Management Interface v.2.0</li><li>IPMI 2.0 with virtual media over LAN and KVM-over-LAN support</li><li>ASPEED AST2500 BMC</li></ul>
IPMI	
Graphics	

## Input / Output

SATA	<ul style="list-style-type: none"><li>14 SATA3 (6Gbps) ports</li></ul>
LAN	<ul style="list-style-type: none"><li>2 25GbE SFP28 ports</li><li>1 RJ45 Dedicated IPMI LAN port</li></ul>
USB	<ul style="list-style-type: none"><li>5 USB 3.0 ports</li><li>(2 rear, 2 onboard header, 1 Type A)</li></ul>
Video	<ul style="list-style-type: none"><li>1 VGA Connector</li></ul>
Serial Header	<ul style="list-style-type: none"><li>1 Serial header</li></ul>
DOM	<ul style="list-style-type: none"><li>2 SuperDOM (Disk on Module) ports</li></ul>

## System BIOS

BIOS Type	<ul style="list-style-type: none"><li>AMI 32Mb SPI Flash ROM</li></ul>
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## Management

Software	<ul style="list-style-type: none"><li>Intel® Node Manager</li><li><a href="#">Redfish API</a></li><li><a href="#">IPMI 2.0</a></li><li>KVM with dedicated LAN</li><li>NMI</li><li><a href="#">SSM, SPM, SUM</a></li><li><a href="#">SuperDoctor@5</a></li></ul>
Power Configurations	<ul style="list-style-type: none"><li>ACPI Power Management</li></ul>

## PC Health Monitoring

CPU	<ul style="list-style-type: none"><li>Monitors for CPU Cores, Chipset Voltages, Memory.</li><li>4+1 Phase-switching voltage regulator</li></ul>
FAN	<ul style="list-style-type: none"><li>Fans with tachometer monitoring</li><li>Status monitor for speed control</li><li>Pulse Width Modulated (PWM) fan connectors</li></ul>
Temperature	<ul style="list-style-type: none"><li>Monitoring for CPU and chassis environment</li><li>Thermal Control for fan connectors</li></ul>

## Chassis

Form Factor	<ul style="list-style-type: none"><li>2U Rackmount</li></ul>
Model	<ul style="list-style-type: none"><li><b>CSE-219U2AC4-R1K02-T</b></li></ul>

## Dimensions and Weight

Width	<ul style="list-style-type: none"><li>17.2" (437mm)</li></ul>
Height	<ul style="list-style-type: none"><li>3.5" (89mm)</li></ul>
Depth	<ul style="list-style-type: none"><li>27.76" (705.3mm)</li></ul>
Weight	<ul style="list-style-type: none"><li>Net Weight: 36 lbs (16.4 kg)</li><li>Gross Weight: 72 lbs (32.7 kg)</li></ul>
Available Colors	<ul style="list-style-type: none"><li>Black</li></ul>

## Front Panel

Buttons	<ul style="list-style-type: none"><li>Power On/Off button</li><li>System Reset button</li><li>Power status LED</li><li>HDD activity LED</li></ul>
LEDs	<ul style="list-style-type: none"><li>Network activity LEDs</li><li>System information (overheat/UID) LED</li></ul>

## Expansion Slots

PCI-Express	<ul style="list-style-type: none"><li>1 PCI-E 3.0 x16 (FH, 10.5" L)</li><li>5 PCI-E 3.0 x8 (FH, 10.5" L)</li><li>1 PCI-E 3.0 x8 (LP)</li><li>1 PCI-E 3.0 x8 (internal LP)</li></ul>
PCI-Express	<p>(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.)</p>

## Drive Bays / Storage

Hot-swap	<ul style="list-style-type: none"><li>24 Hot-swap 2.5" drive bays;</li><li>14 SATA3 (optional 20 SAS3 + 4 NVMe/SAS3)</li></ul>
M.2	<ul style="list-style-type: none"><li>1 M.2 NVMe and 1 M.2 SATA3 via optional riser card RSC-UMR-8 and cable CBL-SAST-0538 (2240/2260/2280/22110)</li><li>2 M.2 NVMe via optional add-on card AOC-SLG3-2M2 (2260/2280/22110)</li></ul>

## Backplane

2U SAS/SATA backplane

## System Cooling

Fans	<ul style="list-style-type: none"><li>4 Heavy duty 8cm PWM fans</li></ul>
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## Power Supply

1000W Redundant Power Supplies with PMBus	
Total Output Power	<ul style="list-style-type: none"><li>800W/1000W</li></ul>
Dimension (W x H x L)	<ul style="list-style-type: none"><li>73.5 x 40 x 203 mm</li></ul>
Input	<ul style="list-style-type: none"><li>100-127Vac / 9.8 - 7A / 50-60Hz</li><li>200-240Vac / 7 - 5A / 50-60Hz</li><li>200-240Vdc / 7 - 5A (for CCC only)</li><li>Max: 66.7A / Min: 0A (100-127Vac)</li><li>Max: 83A / Min: 0A (200-240Vac)</li><li>Max: 83A / Min: 0A (200-240Vdc)</li></ul>
+12V	<ul style="list-style-type: none"><li>Max: 2.1A / Min: 0A</li></ul>
12Vsb	<ul style="list-style-type: none"><li>Max: 2.1A / Min: 0A</li></ul>
Output Type	<ul style="list-style-type: none"><li>25 Pairs Gold Finger Connector</li></ul>



Certification UL/cUL/CB/BSMI/CE/CCC

**Titanium Level**  
[ [Test Report](#) ]

## Operating Environment

RoHS	<ul style="list-style-type: none"><li>RoHS Compliant</li><li>Operating Temperature: 10°C ~ 35°C (50°F ~ 95°F)</li><li>Non-operating Temperature: -40°C to 60°C (-40°F to 140°F)</li></ul>
Environmental Spec.	<ul style="list-style-type: none"><li>Operating Relative Humidity: 8% to 90% (non-condensing)</li><li>Non-operating Relative Humidity: 5% to 95% (non-condensing)</li></ul>

Strona firmowa produktu:

<https://www.superstorage.pl/supermicro-superserver-sys-2029u-tr25m-2u-dp-24xsff-2x25gbe-red-psu-p-3261.html>