

Supermicro SuperServer SYS-2029U-E1CR25M 2U DP 24xSFF 2x25GbE RED PSU

Kod producenta: SYS-2029U-E1CR25M

	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	20
	# of 2.5 Hybrid NVMe bays	4
	# of PCIe x16 3.0	1
	# of PCIe x8 3.0	7
	# of USB Ports	2 x USB 3.0 (rear) 1 x USB 3.0 Type A
	# of SATA Ports	10
	# of Super DOM	2
	# of SAS Ports	24
	Storage Controllers	8 x AHCI iSATA 6Gb/s 6 x sSATA 6Gb/s LSI 3108 12Gb/s
	# 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
	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: 24x SAS3 via opt. AOC (4x hybrid ports-opt. 4 NVMe) Note: Storage AOC is required M.2:1x M.2 NVMe & 1x M.2 SATA3 via opt. RSC-UMR-8

Poniżej prezentujemy szczegółowy opis techniczny oferowanego produktu:

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-E1CR25M • SuperServer 2029U-E1CR25M (Black)

Motherboard

Super X11DPU

Processor/Cache

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

System Memory

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

On-Board Devices

- Chipset
- Intel® C621 chipset
- SAS
- SAS3 (12Gbps) via expander + Broadcom 3108/3008 AOC
 - 2 25GbE SFP28 ports via AOC-2UR68-m2TS (Mellanox ConnectX-4 Lx EN)
- Network Connectivity
- Support for Intelligent Platform Management Interface v.2.0
 - IPMI 2.0 with virtual media over LAN and KVM-over-LAN support
- IPMI
- ASPEED AST2500 BMC
- Graphics

Input / Output

- SAS
- 24 SAS3 ports support via expander and storage Add-on Cards
- LAN
- 2 25GbE SFP28 ports
 - 1 RJ45 Dedicated IPMI LAN port
- USB
- 3 USB 3.0 ports (2 rear, 1 Type A)
- Video
- 1 VGA Connector
- Serial Header
- 1 Serial header
- DOM
- 2 SuperDOM (Disk on Module) ports

System BIOS

- BIOS Type
- AMI 32Mb SPI Flash ROM

Management

- Software
- Intel® Node Manager
 - Redfish API
 - IPMI 2.0
 - KVM with dedicated LAN
 - NMI
 - SSM, SPM, SUM
 - SuperDoctor® 5
- 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
- 2U Rackmount
- Model
- CSE-219U2E1C4-R1K02-T

Dimensions and Weight

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

Front Panel

- Buttons
- Power On/Off button
 - System Reset button
 - Power status LED
 - HDD activity LED
- LEDs
- 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)
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- (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 / Storage

- Hot-swap
- 24 Hot-swap 2.5" drive bays: 24 SAS3 via opt. AOC (4 hybrid ports - opt. 4 NVMe)
- M.2
- 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)
 - 2 M.2 NVMe via optional add-on card AOC-SLG3-2M2 (2260/2280/22110)

System Cooling

- Fans
- 4 Heavy duty 8cm PWM fans
- Shroud
- 1 Air Shroud

Power Supply

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



- Certification
- UL/cUL/CB/BSMI/CE/CCC
 - Titanium Level
 - [Test Report]

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-2029u-e1cr25m-2u-dp-24xsff-2x25gbe-red-psu-p-3266.html>