

# Supermicro SuperServer SYS-2029P-C1RT 2U DP 16xSFF LSI3108 2x10GbE RED PSU

Kod producenta: SYS-2029P-C1RT



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 C622
Memory Type	DDR4 ECC LRDIMM DDR4 ECC RDIMM
Memory Speed	2666 MHz 2400 MHz 2133 MHz
# of DIMM's	16
Max Memory Size	2048 GB
Integrated GPU	Aspeed AST2500
# of 2.5 hot-swap bays	16
Optical drives	1x DVD-ROM (optional)
# of PCIe x16 3.0	4
# of PCIe x8 3.0	1
# of USB Ports	2 x USB 3.0 (rear) 2 x USB 2.0 (rear) 2 x USB 2.0 (header) 1 x USB 3.0 Type A
# of SATA Ports	8
# of SAS Ports	8
Storage Controllers	8 x AHCI iSATA 6Gb/s LSI 3108 12Gb/s
Hardware RAID	0,1,5,6,10,50,60
# of Serial Ports	1 x Fast UART 16550 (rear) 1 x Fast UART 16550 (header)
# of 10GbE Ports	2 x RJ45
Network Controllers	Intel x722 Dual Port 10 Gigabit Base-T
Integrated BMC	IPMI Dedicated RJ45
BMC chip	Aspeed AST2500
Power Supply	Redundant
PSU Wattage	1200 W
PSU Certification	80+ Titanium
Chassis Dimensions	437 x 89 x 630mm

## Product SKUs

SYS-2029P-C1RT • SuperServer 2029P-C1RT (**Black**)

## Motherboard

### Super X11DPI-NT

## Processor/Cache

CPU	<ul style="list-style-type: none"><li>Dual Socket P (LGA 3647)</li><li>Intel® Xeon® Scalable Processors,</li><li>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>16 DIMM slots</li><li>Up to 2TB ECC 3DS LRDIMM, 512GB ECC RDIMM, DDR4 up to 2666MHz</li></ul>
Memory Type	<ul style="list-style-type: none"><li>2666/2400/2133MHz ECC DDR4 SDRAM</li></ul>

## On-Board Devices

Chipset	<ul style="list-style-type: none"><li>Intel® C622 chipset</li></ul>
SATA	<ul style="list-style-type: none"><li>SATA3 (6Gbps); RAID 0, 1, 5, 10</li></ul>
SAS	<ul style="list-style-type: none"><li>Broadcom 3108 SAS3 (12Gbps) controller;</li><li>HW RAID 0, 1, 5, 6, 10, 50, 60</li><li>Intel® X722 10GBase-T Ethernet Controller</li><li>Virtual Machine Device Queues reduce I/O overhead</li><li>Supports 10GBASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output</li><li>Support for Intelligent Platform Management Interface v.2.0</li></ul>
Network Controllers	<ul style="list-style-type: none"><li>IPMI 2.0 with virtual media over LAN and KVM-over-LAN support</li><li>ASPEED AST2500 BMC</li><li>ASPEED AST2500 BMC</li></ul>
IPMI	
Graphics	

## Input / Output

SATA	<ul style="list-style-type: none"><li>8 SATA3 (6Gbps) ports</li></ul>
SAS	<ul style="list-style-type: none"><li>8 SAS3 (12Gbps) ports</li></ul>
LAN	<ul style="list-style-type: none"><li>2 RJ45 10GBase-T ports</li><li>1 RJ45 Dedicated IPMI LAN port</li></ul>
USB	<ul style="list-style-type: none"><li>2 USB 3.0 ports (2 rear)</li><li>4 USB 2.0 ports (2 rear, 2 front)</li><li>1 USB Type A</li></ul>
Video	<ul style="list-style-type: none"><li>1 VGA Connector</li></ul>
Serial Port / Header	<ul style="list-style-type: none"><li>2 Fast UART 16550 serial</li><li>2 COM Ports (1 rear, 1 front)</li></ul>

## System BIOS

BIOS Type • AMI UEFI

## Management

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

## 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 • 2U Rackmount  
Model • **CSE-213AC-R1K23LBP**

## Dimensions and Weight

Height	<ul style="list-style-type: none"><li>3.5" (89mm)</li></ul>
Width	<ul style="list-style-type: none"><li>17.2" (437mm)</li></ul>
Depth	<ul style="list-style-type: none"><li>24.8" (630mm)</li></ul>
Package	<ul style="list-style-type: none"><li>11" (H) x 29" (W) x 38.7" (D)</li></ul>
Weight	<ul style="list-style-type: none"><li>Net Weight: 38 lbs (17.4 kg)</li><li>Gross Weight: 63 lbs (28.8 kg)</li></ul>
Available Color	<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 LED</li><li>Hard drive activity LED</li><li>Network activity LEDs</li><li>System Overheat LED / Fan fail LED / UID LED</li></ul>
LEDs	

## Expansion Slots

PCI-Express	<ul style="list-style-type: none"><li>4 PCI-E 3.0 x16 slots</li><li>1 PCI-E 3.0 x8 slot</li><li>Support total of 5 Low-profile AOC</li></ul>
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## Drive Bays

Hot-swap	<ul style="list-style-type: none"><li>8x 2.5" SAS3 and 8x 2.5" SATA3 Hot-swap drive bays</li></ul>
Peripheral	<ul style="list-style-type: none"><li>Optional DVD-ROM drive supports 1x slim or 1x 5.25" DVD drive</li></ul>
Optional	<ul style="list-style-type: none"><li>Optional 2 NVMe/SSD/HDD 2.5" fix drives</li><li>1 M.2 support</li></ul>

## System Cooling

Fans	<ul style="list-style-type: none"><li>3 Heavy duty 8cm fans with PWM fan speed and cooling zone control</li></ul>
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## Power Supply (76mm Width)

1200W Redundant Power Supplies with PMBus	
Total Output Power	<ul style="list-style-type: none"><li>1000W/1200W</li></ul>
Dimension (W x H x L)	<ul style="list-style-type: none"><li>76 x 40 x 336 mm</li></ul>
Input	<ul style="list-style-type: none"><li>100-127Vac / 15-12A / 50-60Hz</li><li>200-240Vac / 8.5-7A / 50-60Hz</li><li>200-240Vdc / 8.5-7A (for CCC only)</li><li>Max: 83A / Min: 0A (100-127Vac)</li><li>Max: 100A / Min: 0A (200-240Vac)</li><li>Max: 100A / Min: 0A (200-240Vdc)</li></ul>
+12V	
+5Vsb	<ul style="list-style-type: none"><li>Max: 4A / Min: 0A</li></ul>
Output Type	<ul style="list-style-type: none"><li>19 Pairs Gold Finger Connector</li></ul>

Certification	 UL/cUL/CB/BSMI/CE/CCC <b>Titanium Level</b> [ Test Report ]
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## Operating Environment

RoHS	<ul style="list-style-type: none"><li>RoHS Compliant</li></ul>
Environmental Spec.	<ul style="list-style-type: none"><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><li>Operating Relative Humidity: 8% to 90% (non-condensing)</li><li>Non-operating Relative Humidity: 5% to 95% (non-condensing)</li></ul>

## 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.*

Strona firmowa produktu:

<https://www.superstorage.pl/supermicro-superserver-sys-2029p-c1rt-2u-dp-16xsff-lsi3108-2x10gbe-red-p-su-p-3310.html>