

# Supermicro SuperServer SYS-2029BZ-HNR 2U BigTwin^2 DP 4x6SFF RED PSU

Kod producenta: SYS-2029BZ-HNR



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	205 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)	24
Max Memory Size (per node)	3072 GB
Integrated GPU	Aspeed AST2500
# of 2.5 NVMe bays (per node)	6
# of PCIe x16 3.0 (per node)	2
# of USB Ports (per node)	2 x USB 3.0 (rear)
Network Controllers	SIOM Networking AOC Matrix
Integrated BMC	IPMI Dedicated RJ45
BMC chip	Aspeed AST2500
Power Supply	Redundant 1+1
PSU Wattage	2600 W
PSU Certification	80+ Titanium
Chassis Dimensions	447 x 88 x 730 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 Drive Bays/Storage (per Node): 6x Hot-swap 2.5" NVMe 2x M.2 NVMe or SATA (2240/2260/2280) via optional AOC-SMG3-2

## **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-2029BZ-HNR • SuperServer 2029BZ-HNR (**Black**)

## Motherboard

### Super X11DPT-BH

#### Processor/Cache

CPU	<ul style="list-style-type: none"><li>• Dual Socket P (LGA 3647)</li><li>• Intel® Xeon® Scalable Processors, 3 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> <p>* 200W/205W CPUs are supported under certain configurations.</p>
Note	<p>Please contact Supermicro Technical Support for additional information about specialized system optimization</p>

#### 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></ul>

#### On-Board Devices

Chipset	<ul style="list-style-type: none"><li>• Intel® C621 chipset</li></ul>
Network	<ul style="list-style-type: none"><li>• Must bundle with at least one <b>SIOM</b> network card</li><li>• Support for Intelligent Platform Management Interface v.2.0</li></ul>
IPMI	<ul style="list-style-type: none"><li>• IPMI 2.0 with virtual media over LAN and KVM-over-LAN support</li></ul>
Video	<ul style="list-style-type: none"><li>• ASPEED AST2500 BMC</li></ul>

#### Input / Output (per Node)

LAN	<ul style="list-style-type: none"><li>• 1 RJ45 Dedicated IPMI LAN port</li></ul>
USB	<ul style="list-style-type: none"><li>• 2 USB 3.0 ports (rear)</li></ul>
Video	<ul style="list-style-type: none"><li>• 1 VGA port</li></ul>
DOM	<ul style="list-style-type: none"><li>• 1 Super<b>DOM</b> (Disk on Module) port</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="#">IPMI 2.0</a></li><li>• KVM with dedicated LAN</li><li>• <a href="#">SSM</a>, <a href="#">SPM</a>, <a href="#">SUM</a></li><li>• <a href="#">SuperDoctor@ 5</a></li><li>• Watch Dog</li></ul>
Power Configurations	<ul style="list-style-type: none"><li>• ACPI / APM 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-217BHQ+-R2K60FP</b></li></ul>

#### Dimensions and Weight

Width	<ul style="list-style-type: none"><li>• 17.6" (447mm)</li></ul>
Height	<ul style="list-style-type: none"><li>• 3.47" (88mm)</li></ul>
Depth	<ul style="list-style-type: none"><li>• 28.75" (730mm)</li></ul>
Package	<ul style="list-style-type: none"><li>• 24.65" (H) x 9.76" (W) x 45.28" (D)</li></ul>
Weight	<ul style="list-style-type: none"><li>• Gross Weight: 85 lbs (38.6kg)</li><li>• Net Weight: 54.5 lbs (24.7 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>• UID button</li><li>• Power status LED</li><li>• HDD activity LED</li><li>• Network activity LEDs</li><li>• Universal Information (UID) LED</li></ul>
LEDs	

#### Expansion Slots (per Node)

PCI-Express	<ul style="list-style-type: none"><li>• 2 PCI-E 3.0 (x16) Low-profile slots</li><li>• 1 <b>SIOM</b> card support (must bundle with network card)</li></ul>
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#### Drive Bays / Storage (per Node)

Hot-swap	<ul style="list-style-type: none"><li>• 6 Hot-swap 2.5" NVMe drive bays</li></ul>
M.2	<ul style="list-style-type: none"><li>• 2 M.2 NVMe or SATA (2240/2260/2280) via optional AOC-SMG3-2H8M2-B</li></ul>

#### System Cooling

Fans	<ul style="list-style-type: none"><li>• 16 Heavy duty 40x56mm PWM fans with air shroud (4 fans per node)</li></ul>
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#### Power Supply

2600W Redundant Power Supplies with PMBus

Total Output Power	<ul style="list-style-type: none"><li>• 2600W</li></ul>
Dimension (W x H x L)	<ul style="list-style-type: none"><li>• 45 x 40 x 480 mm</li></ul>
Input	<ul style="list-style-type: none"><li>• 208-240Vac/15-12.5A</li><li>• 220-240Vdc/13.5-12.5A (For CQC only)</li></ul>
+12V	<ul style="list-style-type: none"><li>• Max: 216.6A / Min: 0A</li></ul>
12Vsb	<ul style="list-style-type: none"><li>• Max: 4.5A / Min: 0A</li></ul>
Output Type	<ul style="list-style-type: none"><li>• Connector</li></ul>



Certification	<ul style="list-style-type: none"><li>• UL/cUL/CB/BSMI/CE/CQC</li><li>• <b>Titanium Level</b></li><li>• <b>[ Cert. in progress ]</b></li></ul>
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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>

Strona firmowa produktu:

<https://www.superstorage.pl/supermicro-superserver-sys-2029bz-hnr-2u-bigwin2-dp-4x6sff-red-psu-p-3601.html>