Supermicro SuperServer SYS-2029BT-DNC0R 2U BigTwin DP 2x4NVMe/8SFF LSI 3216 RED PSU

Kod producenta: SYS-2029BT-DNC0R



Chassis Form Factor	Rack 2U
# of systems (nodes)	2
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 hot-swap bays (per node)	8
# of 2.5 NVMe bays (per node)	4
# of PCIe x16 3.0 (per node)	1
# of PCIe x8 3.0 (per node)	2
# of USB Ports (per node)	2 x USB 3.0 (rear)
# of SAS Ports (per node)	8
Storage Controllers	LSI 3216 12Gb/s IT
Network Controllers	SIOM Networking AOC Matrix
Integrated BMC	IPMI Dedicated RJ45
BMC chip	Aspeed AST2500
Power Supply	Redundant 1+1
PSU Wattage	2200 W
PSU Certification	80+ Titanium
Chassis Dimensions	447 x 88 x 730 mm
Uwagi	PCI-Express Slots Configuration: 2x PCI-E 3.0 x8 slots 1x PCI-E 3.0 x16 slot 1x SIOM card support (must bundle with network card) Drive Bays (per Node): 4x Hot-swap 2.5" NVMe/SAS3 8x Hot-swap 2.5" SAS3 2x M.2 NVMe/SATA slots

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-2029BT-DNC0R • SuperServer 2029BT-DNC0R (**Black**)

Motherboard

Super X11DPT-B

Processor/Cache (per Node)

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 (per Node)

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

On-Board Devices

Chipset	• Intel® C621 chipset
SAS	• SAS3 (12Gbps) via Broadcom 3216; IT mode
Network	• Must bundle with at least one SIOM network card
IPMI	• Support for Intelligent Platform Management Interface v.2.0 • IPMI 2.0 with virtual media over LAN and KVM-over-LAN support
Video	• ASPEED AST2500 BMC

Input / Output (per Node)

LAN	• 1 RJ45 Dedicated IPMI LAN port
USB	• 2 USB 3.0 ports (rear)
Video	• 1 VGA port
DOM	• 1 SuperDOM (Disk on Module) port

System BIOS

BIOS Type	• AMI 32Mb SPI Flash ROM

Management

Software	• Intel® Node Manager • IPMI 2.0 • KVM with dedicated LAN • SSM, SPM, SUM • SuperDoctor® 5 • Watch Dog
Power Configurations	• ACPI / APM 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-217BHD+-R2K22BP**

Dimensions and Weight

Width	• 17.6" (447mm)
Height	• 3.47" (88mm)
Depth	• 28.75" (730mm)
Package	• 24.65" (H) x 9.76" (W) x 45.28" (D)
Weight	• Gross Weight: 85 lbs (38.6kg) • Net Weight: 54.5 lbs (24.7 kg)
Available Colors	• Black

Front Panel

Buttons	• Power On/Off button • UID button
LEDs	• Power status LED • HDD activity LED • Network activity LEDs • Universal Information (UID) LED

Expansion Slots (per Node)

PCI-Express	• 2 PCI-E 3.0 x8 slots • 1 PCI-E 3.0 x16 slot • 1 SIOM card support (must bundle with network card)

Drive Bays / Storage (per Node)

Hot-swap	• 4 Hot-swap 2.5" NVMe/SAS3 + 8 Hot-swap 2.5" SAS3 drive bays Please contact Supermicro Technical Support for additional information about HDD and SSD if mixed. Some restrictions and configuration rules that apply to SSD are different from HDD.
M.2	• 2 M.2 NVMe/SATA slots

System Cooling

Fans	• 4 Heavy duty 8cm PWM fans with air shroud

Power Supply

2200W Redundant Power Supplies with PMBus

Total Output Power	• 1200W/1800W/1980W/2090/2200W
Dimension (W x H x L)	• 45 x 40 x 480 mm
Input	• 1200W: 100-127Vac / 50-60Hz • 1800W: 200-220Vac / 50-60Hz • 1980W: 220-230Vac / 50-60Hz • 2090W: 230-240Vac / 50-60Hz • 2090W: 180-220Vac (for UL/cUL only) • 2200W: 220-240Vac (for UL/cUL only) • 2090W: 230-240Vdc (for CCC only)
+12V	• Max: 100A / Min: 0A (100-127Vac) • Max: 150A / Min: 0A (200-220Vac) • Max: 165A / Min: 0A (220-230Vac) • Max: 174.17A / Min: 0A (230-240Vac) • Max: 174.17A / Min: 0A (180-220Vac, UL/cUL only) • Max: 183.33A / Min: 0A (220-240Vac, UL/cUL only) • Max: 174.17A / Min: 0A (230-240Vdc, CCC only)
12Vsb	• Max: 2.1A / Min: 0A
Output Type	• Gold Finger
Certification	80 PLUS TITANIUM UL/cUL/CB/BSMI/CE/CCC **Titanium Level** **[Cert. in progress]**

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-2029bt-dnc0r-2u-bigtwin-dp-2x4nvme8sff-lsi-3216-red-psu-p-3411.html