

Supermicro SuperServer SYS-2029BT-HNC0R 2U BigTwin^2 DP 4x6SFF LSI 3008 RED PSU

Part number: SYS-2029BT-HNC0R



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 hot-swap bays (per node)	6
# of PCIe x16 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 3008 12Gb/s IT
Network Controllers	SIOM Networking AOC Matrix
Integrated BMC	IPMI Dedicated RJ45
BMC chip	Aspeed AST2500
Power Supply	Redundant
PSU Wattage	2200 W
PSU Certification	80+ Titanium
Chassis Dimensions	447 x 88 x 730 mm

Product SKUs [x] SYS-2029BT-HNC0R • SuperServer 2029BT-HNC0R (Black)	Chassis [x] Form Factor • 2U Rackmount Model • CSE-217BHQ+-R2K22BP2
Motherboard [x] Super X11DPT-B	Dimensions and Weight [x] Width • 17.25" (438mm) Height • 3.47" (88mm) Depth • 28.5" (724mm) Package • 26.4" (H) x 11.2" (W) x 39.8" (D) Weight • Gross Weight: 85 lbs (38.6kg) • Net Weight: 54.5 lbs (24.7 kg) Available Colors • Black
Processor/Cache (per Node) [x] CPU • Dual Socket P (LGA 3647) • Intel® Xeon® Scalable Processors, Dual UPI up to 10.4GT/s • Support CPU TDP 70-205W* with IVR Cores • Up to 28 Cores with Intel® HT Technology Note • *200W/205W CPUs are supported under certain configurations. Please contact Supermicro Technical Support for additional information about specialized system optimization	Front Panel [x] Buttons • Power On/Off button • UID button • Power status LED • HDD activity LED • Network activity LEDs • Universal Information (UID) LED LEDs •
System Memory (per Node) [x] 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	Expansion Slots (per Node) [x] PCI-Express • 2 PCI-E 3.0 (x16) Low-profile slots • 1 SIOM card support (must bundle with network card)
On-Board Devices [x] Chipset • Intel® C621 chipset SAS • SAS3 (12Gbps) via Broadcom 3008; IT mode • Must bundle with at least one SIOM network card Network • Support for Intelligent Platform Management Interface v.2.0 IPMI • IPMI 2.0 with virtual media over LAN and KVM-over-LAN support Video • ASPPEED AST2500 BMC	Drive Bays (per Node) [x] Hot-swap • 6 Hot-swap 2.5" SAS3 drive bays or 4 NVMe + 2 SAS3 Hot-swap 2.5" 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.
Input / Output (per Node) [x] LAN • 1 RJ45 Dedicated IPMI LAN port USB • 2 USB 3.0 ports (rear) Video • 1 VGA port DOM • 1 Super DDM (Disk on Module) port	System Cooling [x] Fans • 4 Heavy duty 8cm PWM fans with air shroud
System BIOS [x] BIOS Type • AMI 32Mb SPI Flash ROM	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 • 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) • 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) • Max: 2.1A / Min: 0A
Management [x] • Intel® Node Manager • IPMI 2.0 • KVM with dedicated LAN • SSM, SPM, SUM • SuperDoctor® 5 • Watch Dog	Input • 2090W: 180-220Vac (for UL/cUL only) • 2200W: 220-240Vac (for UL/cUL only) • 2090W: 230-240Vdc (for CCC only) • 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) • Max: 2.1A / Min: 0A Output Type • Gold Finger
Power Configurations • ACPI / APM Power Management	Certification [x] [x] UL/cUL/CB/BSMI/CE/CCC Titanium Level [Cert. in progress]
PC Health Monitoring [x] 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 8x fan connectors	Operating Environment [x] RoHS • RoHS Compliant • Operating Temperature: 10°C ~ 35°C (50°F ~ 95°F) • Non-operating Temperature: -40°C to 60°C (-40°F to 140°F) Environmental Spec. • Operating Relative Humidity: 8% to 90% (non-condensing) • Non-operating Relative Humidity: 5% to 95% (non-condensing)

Due to the complexity of integration, this product is sold as completely assembled systems only (including but not limited to CPUs, memory, and HDDs). Please contact your sales rep for special requirements.

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<https://www.superstorage.pl/supermicro-superserver-sys-2029bt-hnc0r-2u-bigtwin2-dp-4x6sff-lsi-3008-red-psu-p-3253.html>