

# BigTwin SuperServer SYS-220BT-HNC9R



More details here

## Key Applications

Mission Critical HPC, Virtualized Big Data Analytics, High-Density Storage RAID Array,

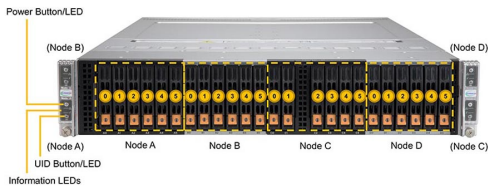
## Key Features

- Socket P+ (LGA 4189) support 3rd Gen Intel® Xeon® Scalable processors;
- Intel® C621A;
- 20 DIMM Slots (16 DIMM Slots + 4 Intel® Optane™ Persistent Memory Slots);
- Internal PCIe 4.0 x8 for 2 M.2 NVMe/SATA support onboard; Optional NVMe Boot Controller via AOC-SMG3-2M2-B; 1 PCIe 4.0 x16 (LP) slot; Tool-less support;
- Network connectivity via AIOM (OCP 3.0 compliant);
- 6 Hot-swap 2.5" drive bays; 6 PCIe 4.0 NVMe/SAS/SATA 2.5" drives;
- Liquid Cooling Support; 4 cooling fans per 2U enclosure, 16.5K RPM; Shared Cooling Design;
- 2600W Redundant Power Supplies Titanium Level (96%+); Shared Power Design;
- Built-in SAS3 Support via Broadcom SAS3908;



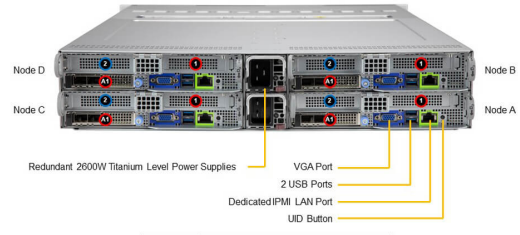
<b>Form Factor</b>	2U Rackmount Enclosure: 449 x 88 x 730mm (17.68" x 3.47" x 28.75") Package: 626 x 248 x 1150mm (24.65" x 9.76" x 45.28")
<b>Processor</b>	Dual Socket P+ (LGA-4189) 3rd Gen Intel® Xeon® Scalable processors Up to 36C/72T; Up to 54MB Cache per CPU
<b>System Memory</b>	Slot Count: 16 DIMM slots Max Memory (2DPC): Up to 4TB 3200MT/s ECC DDR4 RDIMM Supports Intel® Optane™ persistent memory 200 series
<b>Drive Bays</b>	6x 2.5" hot-swap NVMe/SATA/SAS drive bays (6x 2.5" NVMe hybrid)
<b>Expansion Slots</b>	1 PCIe 4.0 x16 LP slot(s)
<b>On-Board Devices</b>	SAS: SAS3 (12Gbps) via Broadcom® 3908; RAID 0, 1, 5, 6, 10, 50 support Chipset: Intel® C621A Network Connectivity: Via AIOM IPMI: Support for Intelligent Platform Management Interface v.2.0 IPMI 2.0 with virtual media over LAN and KVM-over-LAN support
<b>Input / Output</b>	LAN: 1 RJ45 Dedicated BMC LAN port USB: 3 USB 3.0 port(s) (2 rear; 1 front) Video: 1 VGA port(s)

(Front View – System)



Drive Bay (Node A-D)	Description
0-15	6x 2.5" Hot-Swap NVMe(CPU2)/SAS/SATA Drive Bays

(Rear View – System)



Slot (Node A-D)	Description
1	RAID Controller Card
2	PCI-E 4.0 x16 Low Profile Slot
A1	AIOM Slot PCI-E 4.0 x16

System Cooling	Fans: 4x 16.5K RPM Heavy Duty 8cm Fan(s)
Power Supply	2600W Redundant Titanium Level power supplies
System BIOS	BIOS Type: AMI 32MB Flash ROM
Management	Redfish API; Supermicro Server Manager (SSM); Supermicro Power Manager (SPM); Supermicro Update Manager (SUM); SuperDoctor® 5; Super Diagnostics Offline ; KVM with dedicated LAN ; IPMI 2.0
PC Health Monitoring	FAN: Fans with tachometer monitoring Status monitor for speed control Pulse Width Modulated (PWM) fan connectors Temperature: Monitoring for CPU and chassis environment CPU: Monitors for CPU Cores, Chipset Voltages, Memory. 7+1 Phase-switching voltage regulator
Dimensions and Weight	Height: 3.47" (88 mm) Width: 17.68" (449 mm) Depth: 28.75" (730 mm) Gross Weight: 96.6 lbs (43.8 kg) Net Weight: 66.1 lbs (30 kg) Packaging: 9.76" (H) x 24.65" (W) x 45.28" (D) Available Color: Black front & silver body
Operating Environment	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) Operating Relative Humidity: 8% to 90% (Non-Condensing) Non-operating Relative Humidity: 5% to 95% (Non-Condensing)
Motherboard	<a href="#">Super X12DPT-B6</a>
Chassis	CSE-217BQ-000NP