# BigTwin SuperServer SYS-620BT-HNTR

2U BigTwin with 3 3.5" NVMe/SATA drives per node

More details here

## Key Applications

Hyperconverged Infrastructure, Container Storage, Scale-Out File Server,

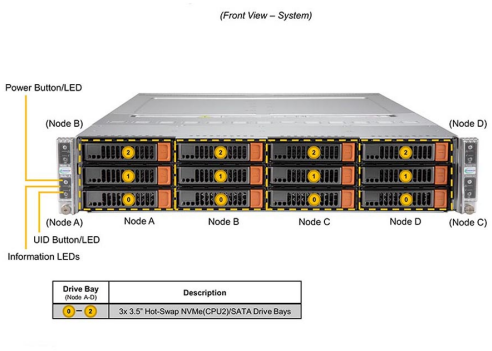
## Key Features

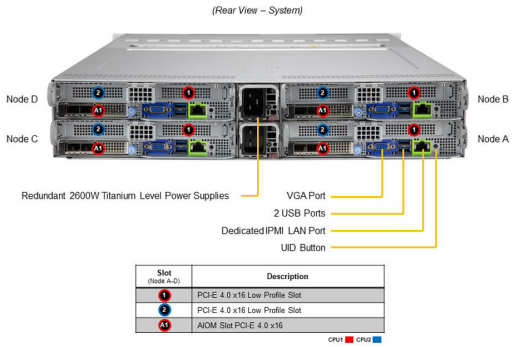
- Socket P+ (LGA 4189) support 3rd Gen Intel® Xeon® Scalable processors;
- Intel® C621A;
- 20 DIMM Slots (16 DIMM Slots + 4 Intel® Optane™ Persistent Memory Slots);
- 2 PCIe 4.0 x16 (LP) slot; Tool-less support
  Optional HW RAID Boot Controller via AOC-SMG3-2M2-B (NVMe Only)
  Internal PCIe 3.0 for 2 x4 M.2 NVMe/SATA support onboard;
- Network connectivity via AIOM (OCP 3.0 compliant);
- 3 Hot-swap 3.5" drive bays; 3 PCIe 4.0 NVMe/SATA 3.5" drives;
- 4 cooling fans per 2U enclosure, 14.9K RPM; Shared Cooling Design;
- 2600W Redundant Power Supplies Titanium Level (96%+); Shared Power Design;
- Four hot-pluggable systems (nodes) in a 2U form factor. Each node supports the following:;



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| Form Factor | 2U Rackmount<br>Enclosure: 449 x 88 x 774mm (17.68" x 3.47" x 30.5")<br>Package: 626 x 248 x 1150mm (24.65" x 9.76" x 45.28") |
| Processor | Dual Socket P+ (LGA-4189)<br>3rd Gen Intel® Xeon® Scalable processors<br>Up to 32C/64T; Up to 48MB Cache per CPU |
| System Memory | Slot Count: 16 DIMM slots<br>Max Memory (2DPC): Up to 4TB 3200MT/s ECC DDR4 RDIMM<br>Supports Intel® Optane™ persistent memory 200 series |
| Drive Bays Configuration | Default: Total 3 bay(s)<br>• 3 front hot-swap 3.5" PCIe 4.0 NVMe/SATA drive bay(s)<br>M.2: 2 M.2 PCIe 3.0 x4 NVMe/SATA slot(s) (M-key 2280(default); VROC required for RAID) |
| Expansion Slots | Default<br>• 2 PCIe 4.0 x16 LP slot(s) |
| On-Board Devices | Chipset: Intel® C621A<br>Network Connectivity: Via AIOM |
| Input / Output | LAN: 1 RJ45 1 GbE Dedicated BMC LAN port(s)<br>USB: 2 USB 3.0 Type-A port(s) (Rear)<br>Video: 1 VGA port(s) |

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|---|---|
| System Cooling | Fans: 4x 14.9K RPM Heavy Duty 8cm Fan(s) |
| Power Supply | 2x 2600W Redundant (1 + 1) Titanium Level (96%) power supplies |
| System BIOS | BIOS Type: AMI 32MB Flash ROM |
| Management | SuperCloud Composer; Supermicro Server Manager (SSM); Supermicro Update Manager (SUM); Supermicro SuperDoctor® 5 (SD5); Super Diagnostics Offline (SDO); Supermicro Thin-Agent Service (TAS); SuperServer Automation Assistant (SAA) New! |
| PC Health Monitoring | FAN: Fans with tachometer monitoring<br>Status monitor for speed control<br>Pulse Width Modulated (PWM) fan connectors<br>Temperature: Monitoring for CPU and chassis environment<br>CPU: Monitors for CPU Cores, Chipset Voltages, Memory.<br>7+1 Phase-switching voltage regulator |
| Dimensions and Weight | Weight: Gross Weight: 96.6 lbs (43.8 kg)<br>Net Weight: 66.1 lbs (30 kg)<br>Available Color: Black |
| Operating Environment | RoHS Compliant<br>Operating Temperature: 10°C ~ 35°C (50°F ~ 95°F)<br>Non-operating Temperature: -40°C to 60°C (-40°F to 140°F)<br>Operating Relative Humidity: 8% to 90% (Non-Condensing)<br>Non-operating Relative Humidity: 5% to 95% (Non-Condensing) |
| Motherboard | **Super X12DPT-B6** |
| Chassis | **CSE-827BQ-000NP** |

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