



BigTwin SuperServer SYS-222BT-HNR-LCC

2U 4-Node BigTwin with 6 hot-swap 2.5" NVMe drives per node

Key Applications

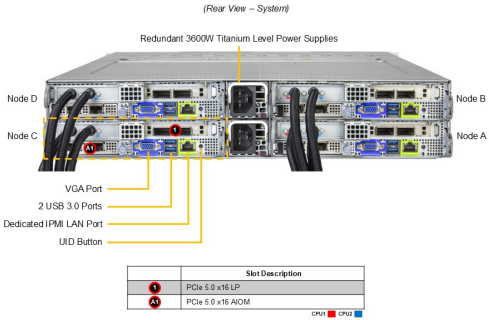
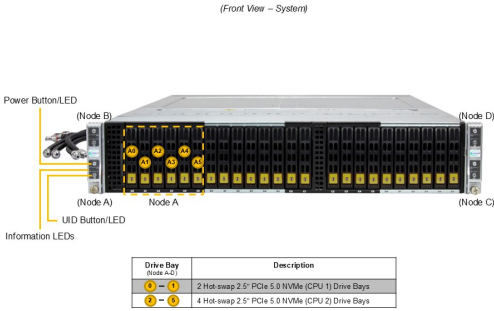
All-Flash NVMe Hyperconverged Infrastructure, Container-as-a-Service;
Application Accelerator, High-Performance File System, Diskless HPC Clusters,

Key Features

- Four **hot-pluggable** systems (nodes) in a 2U form factor. Each node supports the following;;
- Dual Socket E2 (LGA-4710) Intel® Xeon® 6700/6500 series processors with P-cores or 6700 series processors with E-cores up to 350W with liquid cooling;
- Up to 16 DIMMs supporting up to 4TB DDR5-6400 in 1DPC;
- Flexible networking with up to 1 OCP 3.0 compatible AIOM slots;
- Up to 2 PCIe 5.0 x16 LP + 1 PCIe 5.0 x16 AIOM slots;
- Up to 6 front hot-swap 2.5" NVMe drive bays;
- 2 Redundant 3600W Titanium Level power supplies;
- 2U Rackmount chassis with 28.75" (730mm) depth;



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| Form Factor | 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") |
| Processor | Dual Socket E2 (LGA-4710) Intel® Xeon® 6700/6500 series processors with P-cores or 6700 series processors with E-cores P-cores: Up to 86C/172T; Up to 336MB Cache per CPU E-cores: Up to 144C/144T; Up to 108MB Cache per CPU |
| System Memory | Slot Count: 16 DIMM slots Max Memory (1DPC): Up to 4TB 6400MT/s ECC DDR5 RDIMM |
| Drive Bays Configuration | Default: Total 6 bays <ul style="list-style-type: none"> • 6 front hot-swap 2.5" PCIe 5.0 NVMe drive bays M.2: 2 M.2 PCIe 5.0 x4 NVMe slots (M-key 22110(default); VROC required for RAID) |
| Expansion Slots | Default <ul style="list-style-type: none"> • 1 PCIe 5.0 x16 LP slot • 1 PCIe 5.0 x16 AIOM slot (OCP 3.0 compatible) Option A <ul style="list-style-type: none"> • 2 PCIe 5.0 x16 LP slots • 1 PCIe 5.0 x16 AIOM slot (OCP 3.0 compatible) |
| On-Board Devices | Chipset: System on Chip Network Connectivity: Via AIOM |
| Input / Output | LAN: 1 RJ45 1 GbE Dedicated BMC LAN port USB: 2 USB 3.0 Gen2 Type-A ports(Rear) Video: 1 VGA port |



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| System Cooling | <p>Fans: 4x 16K RPM Counter Rotating 80x80x56mm Fan(s)</p> <p>Air Shroud: 4 Air Shrouds</p> <p>Liquid Cooling: Direct to Chip (D2C) Cold Plate</p> |
| Power Supply | 2x 3600W Redundant (1 + 1) Titanium Level (96%) power supplies |
| System BIOS | BIOS Type: AMI 32MB Flash ROM |
| Management | SuperCloud Composer®; Supermicro Server Manager (SSM); Super Diagnostics Offline (SDO); Supermicro Thin-Agent Service (TAS); SuperServer Automation Assistant (SAA) New! |
| PC Health Monitoring | <p>FAN: Fans with tachometer monitoring</p> <p>Status monitor for speed control</p> <p>Pulse Width Modulated (PWM) fan connectors</p> <p>Temperature: Monitoring for CPU and chassis environment</p> <p>CPU: Monitors for CPU Cores, Chipset Voltages, Memory.</p> <p>8+4 Phase-switching voltage regulator</p> |
| Dimensions and Weight | <p>Weight: Gross Weight: 96.6 lbs (43.8 kg)</p> <p>Net Weight: 66.1 lbs (30 kg)</p> <p>Available Color: Black front & silver body</p> |
| Operating Environment | <p>RoHS Compliant</p> <p>Operating Temperature: 10°C to 35°C (50°F to 95°F)</p> <p>Non-operating Temperature: -30°C to 60°C (-22°F to 140°F)</p> <p>Operating Relative Humidity: 8% to 80% (non-condensing)</p> <p>Non-operating Relative Humidity: 8% to 90% (non-condensing)</p> |
| Motherboard | Super X14DBT-B |
| Chassis | CSE-217BQ2-R3K60P |