

SuperBlade SuperServer SBI-420P-1T3N

Key Applications

Data center, High-performance Computing (HPC),

Key Features

- 200 CPUs per 42U Rack;
- Dual socket P+ (LGA-4189) supports 3rd Gen Intel® Xeon® Scalable processors;
- Intel® C621A;
- 16 DIMMs; up to 4TB 3DS ECC DDR4-3200MHz RDIMM/LRDIMM;
- Dual 25G onboard Ethernet;
- 2 Hot-plug 2.5" NVMe/SATA3 drive bays; 1 Hot-Plug 2.5" SATA3 drive bay, 1 NVMe M.2;
- Cooling: Passive CPU heatsink CPU1: SNK-P1044V CPU2: SNK-P0077V;
- Graphics: Aspeed AST2600;
- IPMI 2.0, KVM over IP, Virtual Media over LAN;

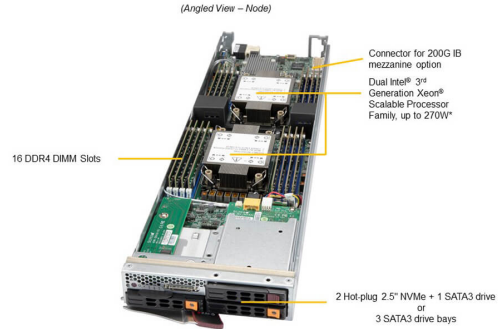
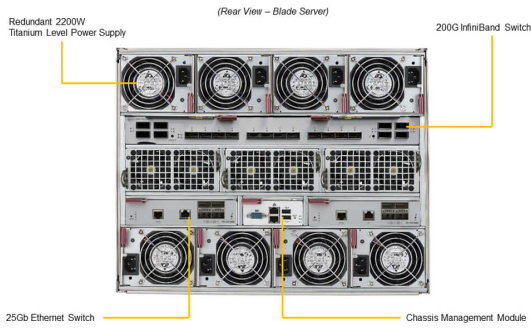


Form Factor	8U Rackmount Enclosure: 449 x 356 x 813mm (17.68" x 14" x 32") Package: 711 x 558 x 1066mm (28" x 22" x 42")
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Processor	Dual Socket P+ (LGA-4189) 3rd Gen Intel® Xeon® Scalable processors
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System Memory	Slot Count: 16 DIMM slots Max Memory (DPC): Up to 4TB non-ECC DRAM Supports Intel® Optane™ persistent memory 200 series
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On-Board Devices	NVMe: NVMe; (for boot drive only) Network Connectivity: 2 RJ45 25GbE with Mellanox® CX-4 Lx En (optional)
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System Cooling	Fans: Up to 3 Dual counter rotating 6cm Fan(s) Air Shroud: 2 Air Shrouds
Power Supply	1x 2200W Redundant Titanium Level (96%) power supply
System BIOS	BIOS Type: AMI 128MB SPI Flash EEPROM BIOS Features: Plug and Play (PnP) USB Keyboard support PCI 2.2 ACPI up to 3.0
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!
Dimensions and Weight	Weight: Gross Weight: 385 lbs (177.3 kg) Net Weight: 340 lbs (154.2 kg) Available Color: Silver
Operating Environment	RoHS Compliant Operating Temperature: 10°C to 35°C (50°F to 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	Super B12DPT-6
Chassis	CSE-B820E-S3