

Mainstream SuperServer SYS-220P-C9R



More details here

Key Applications

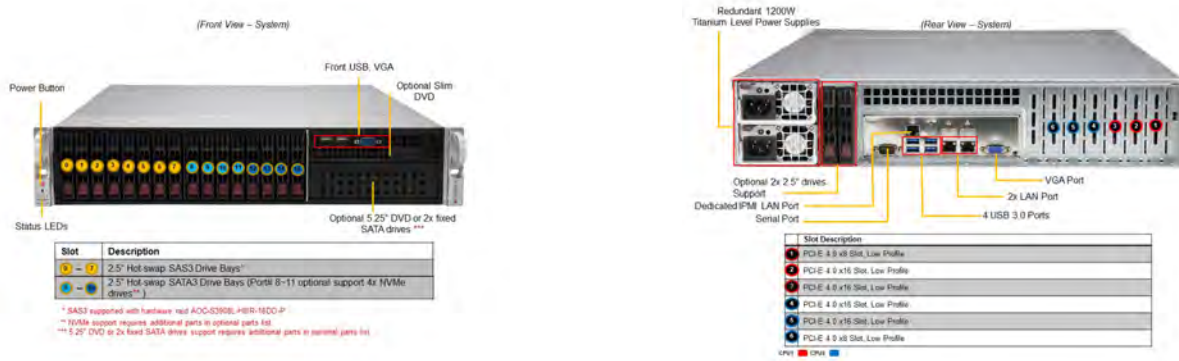
High Performance Computing, Enterprise Server, Data Center Optimized, Database Processing and High Density Storage, Application-Optimized Solutions,

Key Features

- Dual sockets P+ (LGA-4189) 3rd Gen Intel® Xeon® Scalable processors; CPU TDP supports Up to 270W TDP; 3 UPI up to 11.2 GT/s;
- Intel® C621A Chipset ; SATA: Intel® C621A controller for 8 SATA3 (6 Gbps) ports; RAID 0,1,5,10;
- Up to 4TB 3DS ECC RDIMM, DDR4-3200MHz, Up to 4TB 3DS ECC LRDIMM, DDR4-3200MHz; - Up to 4TB Intel® Optane™ Persistent Memory 200 Series, DDR4-3200MHz, in 18 DIMM slots (P1-DIMMB2 and P2-DIMMB2 are reserved for Intel® Optane Persistent Memory 200 Series only);
- 4 PCIe 4.0 x16 Low Profile (LP); 1 PCIe 4.0 x8 Low Profile (LP); * PCIe slot#1 is populated with 1x AOC-S3908L-H81R-16DD-P to support 8x SAS drives;



Form Factor	2U Rackmount Enclosure: 437 x 89 x 630mm (17.2" x 3.5" x 24.8") Package: 737 x 279 x 983mm (29" x 11" x 38.7")
Processor	3rd Gen Intel® Xeon® Scalable processors Dual Socket LGA-4189 (Socket P+) supported TDP up to 270W;
Drive Bays	16x 2.5" hot-swap drive bays (8x SAS drive bays with Broadcom® 3908 HW RAID controller(backplane port# 0~7) and 8x SATA drive bays (backplane port# 8~15) with Intel® C621A (4x SATA drive bays (backplane port# 8~11) can be converted to NVMe drives with optional 2x CBL-SAST-0821-1) 1 M.2 NVMe
Expansion Slots	4 PCIe 4.0 x16 LP slot(s) 1 PCIe 4.0 x8 LP slot(s)
On-Board Devices	Chipset: Intel® C621A Network Connectivity: 2x 1GbE port(s) IPMI: Support for Intelligent Platform Management Interface v.2.0 IPMI 2.0 with virtual media over LAN and KVM-over-LAN support
Input / Output	LAN: 1 RJ45 Dedicated BMC LAN port USB: 2 USB 2.0 port(s) (2 front) 4 USB 3.0 port(s) (4 rear) Video: 1 VGA port(s) Serial Port: 2 COM Port(s) (1 rear; 1 front) DOM: 2 SuperDOM (Disk on Module) port



System Cooling	3 heavy duty fan(s)
Power Supply	1U 1200W/1000W Titanium Power Supply W/PMbus W76xL336xH40mm Dimension (W x H x L): 76 x 40 x 336 mm Output Type: 19 Pairs Gold Finger Connector
System BIOS	BIOS Type: AMI 32MB SPI Flash EEPROM
Management	NMI; SUM; KVM with dedicated LAN; SPM; Intel® Node Manager; SSM; Redfish API; IPMI2.0; Supermicro Out of Band (OOB) License (included in the unit)
PC Health Monitoring	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 fan connectors
Dimensions and Weight	Height: 3.5" (89 mm) Width: 17.2" (437 mm) Depth: 24.8" (630 mm) Gross Weight: 63 lbs (28.8 kg) Net Weight: 38 lbs (17.4 kg) Packaging: 11" (H) x 29" (W) x 38.7" (D) Available Color: Black
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	Super X12DPI-N6
Chassis	CSE-213BTS-R1K23LPBP3-1