

Mainstream SuperServer SYS-221P-C9RT

2U Mainstream with 5 PCIe 5.0 slots and dual 10GbE LAN



More details here

Key Applications

Virtualization, Enterprise Server, Application and data serving, Compute Intensive Applications,

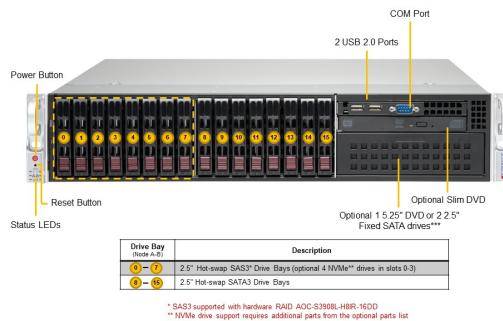
Key Features

- Dual Socket E (LGA-4677) 5th/4th Gen Intel® Xeon® Scalable processors, supports up to 300W TDP;
- 16 DIMM slots, Up to 4TB DDR5-5600MHz/4800MHz ECC Registered RDIMM;
- 4 PCIe 5.0 x16 Low Profile (LP), 1 PCIe 5.0 x8 Low Profile (LP);
- 16 hotswap 2.5" drive bays with 8 SAS RAID (0, 1, 5, 6, 10, 50, 60) and 8 SATA drive support;
- 1200W Redundant Titanium level Power Supplies;

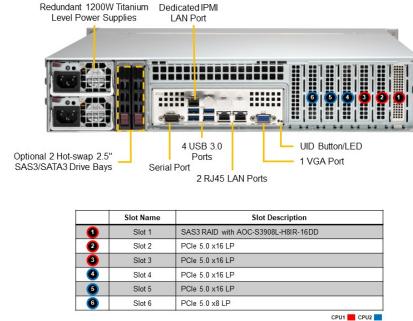


Form Factor	2U Rackmount Enclosure: 437 x 89 x 630mm (17.2" x 3.5" x 24.8") Package: 737 x 279 x 983mm (29" x 11" x 38.7")
Processor	Dual Socket E (LGA-4677) 5th Gen Intel® Xeon® / 4th Gen Intel® Xeon® Scalable processors
System Memory	Slot Count: 16 DIMM slots Max Memory (1DPC): Up to 4TB 5600MT/s ECC DDR5 RDIMM
Drive Bays Configuration	Default: Total 16 bays <ul style="list-style-type: none">• 4 front hot-swap 2.5" NVMe*/SAS/SATA drive bays• 4 front hot-swap 2.5" SAS/SATA drive bays• 8 front hot-swap 2.5" SAS*/SATA drive bays (*NVMe/SAS support may require additional storage controller and/or cables) M.2: 2 M.2 NVMe slots (M-key) Peripheral Bays: 1 slim DVD bay (optional)
Expansion Slots	Default <ul style="list-style-type: none">• 4 PCIe 5.0 x16 LP slots• 1 PCIe 5.0 x8 LP slot
On-Board Devices	Chipset: Intel® C741 Network Connectivity: 2 RJ45 10GbE
Input / Output	LAN: 1 RJ45 1 GbE Dedicated BMC LAN port USB: 2 USB 2.0 ports(front) 4 USB 3.0 ports(rear) Video: 1 VGA port DOM: 2 SuperDOM (Disk on Module) ports

(Front View – System)



(Rear View – System)



System Cooling

Fans: Up to 3x 8cm heavy duty fans with optimal fan speed control

Power Supply

2x 1200W Redundant (1 + 1) Titanium Level (96%) Hot-plug power supplies

System BIOS

BIOS Type: AMI 32MB SPI Flash EEPROM

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

CPU: Monitors for CPU Cores, Chipset Voltages, Memory

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

Weight: Gross Weight: 63 lbs (28.8 kg)

Net Weight: 38 lbs (17.4 kg)

Available Color: Black

Operating Environment

RoHS Compliant

Operating Temperature: 10°C to 35°C (50°F to 95°F)

Non-operating Temperature: -30°C to 60°C (-40°F to 140°F)

Operating Relative Humidity: 8% to 80% (non-condensing)

Non-operating Relative Humidity: 8% to 90% (non-condensing)

Motherboard

[Super X13DEI-T](#)

Chassis

[CSE-213BTS-R1K23LPBP3-1](#)