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

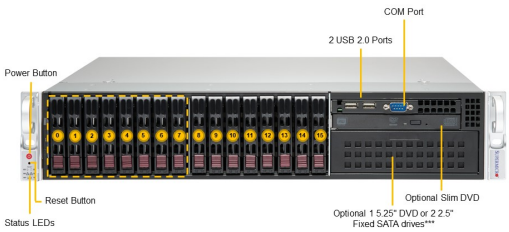
- Dual Socket E (LGA-4677) 5th/4th Gen Intel® Xeon® Scalable processors,supports up to 300W TDP;
- 16 DIMM slots, Up to 4TB DDR5-5600MHZ/4800MHz ECC Registered RDIMM;
- 4 PCIe 5.0 x16 Low Profile (LP), 1 PCIe 5.0 x8 Low Profile (LP);
- 16 hotswap 2.5" drive bays with 8 SAS RAID (0, 1, 5, 6, 10, 50, 60) 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 • 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, please see the optional parts list for details) M.2: 2 M.2 NVMe slots (M-key) Peripheral Bays: 1 slim DVD bay (optional)
Expansion Slots	Default • 4 PCIe 5.0 x16 LP slots • 1 PCIe 5.0 x8 LP slot
On-Board Devices	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

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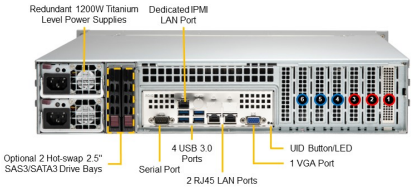
(Front View – System)



Drive Bay (Node A-B)	Description
0 – 7	2.5" Hot-swap SAS3* Drive Bays (optional 4 NVMe** drives in slots 0-3)
8 – 15	2.5" Hot-swap SATA3 Drive Bays

* SAS3 supported with hardware RAID AOC-S3908L-H8IR-16DD
** NVMe drive support requires additional parts from the optional parts list
*** SATA support requires additional parts from the optional parts list

(Rear View – System)



	Slot Name	Slot Description
1	Slot 1	SAS3 RAID with AOC-S3908L-H8IR-16DD
2	Slot 2	PCIe 5.0 x16 LP
3	Slot 3	PCIe 5.0 x16 LP
4	Slot 4	PCIe 5.0 x16 LP
5	Slot 5	PCIe 5.0 x16 LP
6	Slot 6	PCIe 5.0 x8 LP

CPU1 CPU2

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 Pulse Width Modulated (PWM) fan connectors Status monitor for speed control 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**

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