

IoT SuperServer SYS-220HE-FTNRD-NEBS

X12 DP 2U Short-depth front I/O System with 6 NVMe/SATA bays and redundant DC PSU (NEBS certificated)



More details here

Key Applications

Telecom Micro Data Center, AI Inference and Machine Learning, Cloud Computing, Network Function Virtualization (NFV), 5G Networking,

Key Features

- Dual Socket P+ (LGA-4189) 3rd Gen Intel® Xeon® Scalable Processors;
- 32 DIMM Slots; Up to 8TB DRAM; Up to 8TB Intel® Optane™ Persistent Memory (up to 12TB with DRAM); 3200/2933/2666 ECC DDR4 LRDIMM; RDIMM; Intel® Optane™ Persistent Memory 200 series;
- 3 PCIe 4.0 x16 slots with GPU/Accelerator support (Default); 1 PCIe 4.0 x16 expansion slots (Optional);
- Flexible networking options with 2 AIOM networking slots (OCP NIC 3.0 compatible);
- Up to 6x 2.5" hot-swap drive bays with options to support NVMe/SATA drives;
- 6 heavy duty hot-swap fans with optimal fan speed control Rear I/O, tool-less design;
- 1300W DC power supplies;



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| Form Factor | 2U Rackmount Enclosure: 436.88 x 88.9 x 574mm (17.2" x 3.5" x 22.6") Package: 598 x 247 x 938mm (23.5" x 9.7" x 36.9") |
| Processor | Dual Socket P+ (LGA-4189) 3rd Gen Intel® Xeon® Scalable processors |
| GPU | Up to 4 double-width GPUs |
| System Memory | Slot Count: 32 DIMM slots Max Memory (2DPC): Up to 8TB 3200MT/s ECC DDR4 RDIMM/LRDIMM |
| Drive Bays Configuration | Default: Total 6 bays • 6 front hot-swap 2.5" NVMe/SAS/SATA drive bays M.2: 2 M.2 NVMe/SATA slots (M-key 2280/22110) |
| Expansion Slots | Default • 3 PCIe 4.0 x16 FHFL slots • 1 PCIe 4.0 x16 FHHL slot Option A • 6 PCIe 4.0 x8 (in x16) FHFL slots • 2 PCIe 4.0 x8 (in x16) FHHL slots |
| On-Board Devices | 2 RJ45 1GbE with Intel® I350-AM2 (optional) 4 SFP 1GbE with Intel® I350-AM4 (optional) 2 RJ45 10GBASE-T with Intel® X550-AT2 (optional) 2 SFP+ 10GbE with Intel® X710-BM2 (optional) 4 SFP+ 10GbE with Intel® XL710-BM1 (optional) 4 SFP+ 10GbE with Intel® X710-TM4 (optional) 2 SFP28 25GbE with Broadcom® BCM57414 (optional) 4 SFP28 25GbE (optional) 2 QSFP28 100GbE with Broadcom® BCM57508 (optional) 4 RJ45 1GbE with Intel® I350-AM4 (optional) |
| Input / Output | LAN: 1 RJ45 1 GbE Dedicated BMC LAN port USB: 2 USB 2.0 ports(front) Video: 1 VGA port |

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| System Cooling | Fans: Up to 6 Counter-rotating, Hot-swappable 60x60x56mm Fan(s) Air Shroud: 4 Air Shrouds |
| Power Supply | 1x 1300W Redundant power supply |
| 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: 47.4 lbs (21.5 kg) Net Weight: 34.4 lbs (15.6 kg) Available Color: Silver |
| Operating Environment | Operating Temperature: 5°C to 35°C (41°F to 95°F) Non-operating Temperature: -40°C to 70°C (-40°F to 158°F) Operating Relative Humidity: 8% to 90% (non-condensing) Non-operating Relative Humidity: 5% to 95% (non-condensing) |
| Motherboard | Super X12DHM-6 |
| Chassis | CSE-HE211-R000NFP |
