

FlexTwin SuperServer SYS-122FT-DEO-LCC

1 OU 2-Node FlexTwin™ with liquid cooling (complete rack and onsite service are required)



Key Applications

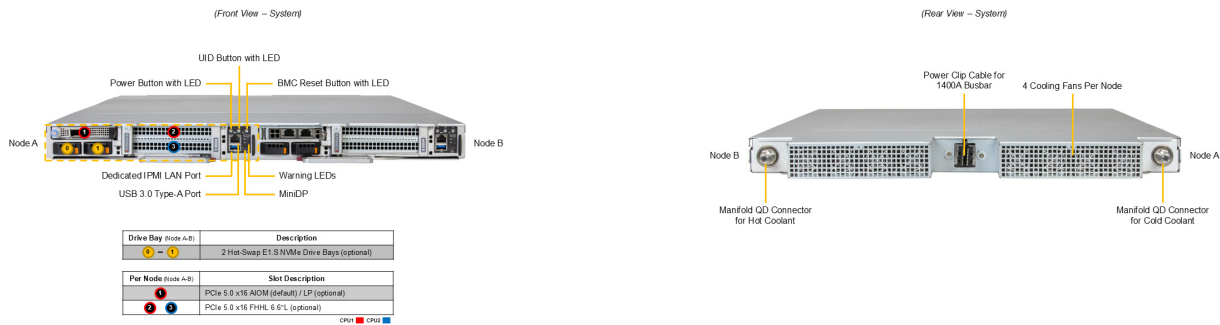
HPC, Web Server, Oil & Gas, Scientific Research, Cloud Computing, Research Lab/National Lab,

Key Features

- Two **hot-pluggable** systems (nodes) in a 1 OU form factor. Each node supports the following;;
- 21" OCP ORV3 Rack compatible, 1400A busbar with power shelves;
- Dual Intel® Xeon® 6900 Series Processors up to 128 P-cores or Intel Xeon 6+ Processors up to 288 E-cores with Liquid Cooling (Up to 90% heat capture);
- Up to 24 DIMMs supporting up to 6TB 8000MT/s DDR5 RDIMM or 3TB 8800MT/s DDR5 MRDIMM;
- Flexible networking with up to 1 OCP 3.0 compatible AIOM slots;
- Optional 2 PCIe 5.0 x16 FHHL slot + Optional 1 PCIe 5.0 x16 LP slot;
- Optional 2 E1.S Slots + Optional 2 M.2 NVME drive Slots;



Form Factor	1 OU Rackmount Enclosure: 537 x 48 x 855mm (21.14" x 1.89" x 33.66") Package: 670 x 182 x 1125mm (26.38" x 7.17" x 44.29")
Processor	Dual Socket BR (LGA-7529) Intel® Xeon® 6900 Series processors with P-cores and Intel Xeon 6+ processors P-cores: Up to 128C/256T; Up to 504MB Cache per CPU E-cores: Up to 288C/288T; Up to 576MB Cache per CPU
System Memory	Slot Count: 24 DIMM slots Max Memory (1DPC): Up to 3TB 8800MT/s ECC DDR5 MRDIMM (P-core only) Max Memory (1DPC): Up to 6TB 6400MT/s ECC DDR5 RDIMM (P-core) Max Memory (1DPC): Up to 3TB 8000MT/s ECC DDR5 RDIMM (E-core)
Drive Bays Configuration	Option A: Total 2 bays • 2 front hot-swap E1.S PCIe 5.0 x4 NVMe* drive bays (*NVMe support may require additional storage controller and/or cables, please see the optional parts list for details) M.2: 2 M.2 PCIe 5.0 x4 NVMe slots (M-key 22110(default); optional configuration)
Expansion Slots	PCI-Express (PCIe) Configuration: Default* • 1 PCIe 5.0 x16 (in x16) AIOM slot (OCP 3.0 compatible) Option A* • 2 PCIe 5.0 x16 (in x16) FHHL slots • 1 PCIe 5.0 x16 (in x16) LP slot (*Requires additional parts, please see the optional parts list for details. For more details on PCIe slot configuration options, please refer to the system callout images above.) M.2: 2 M.2 PCIe 5.0 x4 NVMe slots (M-key 22110(default); Optional Configuration)
On-Board Devices	NVMe: NVMe; RAID 0/1/5/10 support(Intel® VROC RAID key required) Network Connectivity: Via AIOM
Input / Output	LAN: 1 RJ45 1 GbE Dedicated BMC LAN port (ASPEED AST2600) USB: 1 USB 3.0 Type-A port (Front) Video: 1 Mini-DP port (Front)



System Cooling	Fans: Up to 8 Fan 40mm Fan(s) Air Shroud: 1 Air Shroud Liquid Cooling: Direct to Chip (D2C) Cold Plate
Power Supply	Power via Busbar (49-52V DC)
System BIOS	BIOS Type: AMI 64MB SPI Flash
Management	SuperCloud Composer® (SCC); Supermicro Server Manager (SSM); 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
Dimensions and Weight	Weight: Gross Weight: 89 lbs (40.37 kg) Net Weight: 58.5 lbs (26.54 kg) Available Color: Silver
Operating Environment	RoHS Compliant Operating Temperature: 10°C to 35°C (50°F to 95°F) Non-operating Temperature: -30°C to 60°C (-22°F to 140°F) Operating Relative Humidity: 8% to 80% (non-condensing) Non-operating Relative Humidity: 8% to 90% (non-condensing)
Motherboard	Super X14DBT-FLAP2
Chassis	CSE-OC101TS-V01DFP