



FlexTwin SuperServer AS -1127FT7-DEO-ALC

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

Key Applications

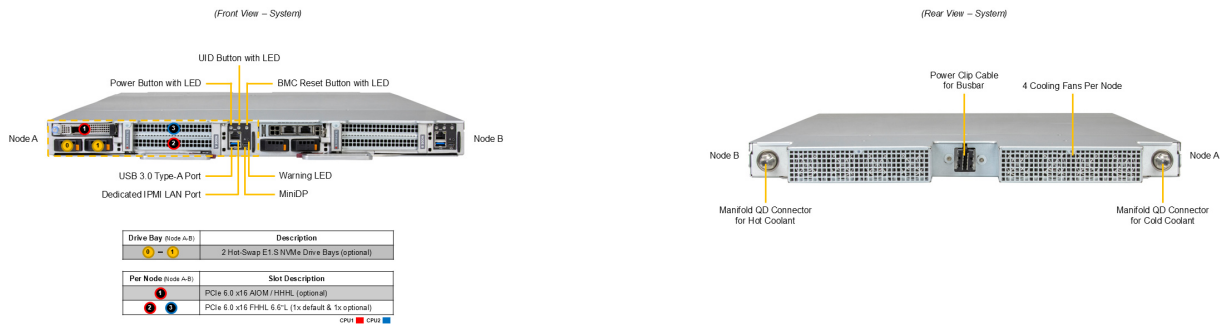
Oil & Gas, Scientific Research, High Performance Computing (HPC), Research Lab,

Key Features

- Two **hot-pluggable** systems (nodes) in a 1 OU form factor. Each node supports the following;;
- Dual Socket AMD EPYC™ 9006 SP7 Series Processors up to 512 cores with Liquid Cooling;
- Supports up to 2 PCIe 6.0 x16 FHHL + 1 PCIe 6.0 x16 HHHL + 1 PCIe 6.0 x16 AIOM slots;
- Supports up to 32 DDR5 RDIMMs/MRDIMMs;
- Flexible networking with 1 AIOM slot (OCP 3.0 SFF compliant);
- 2 Hot-swap E1.S NVMe drive bays + 2 M.2 NVMe slots;
- 48-54V DC busbar;



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 processor(s) AMD EPYC™ 9006 SP7 Series Processors Up to 512C/1024T
System Memory	Slot Count: 32 DIMM slots Max Memory (1DPC): Up to 8TB 8000MT/s ECC DDR5 RDIMM/3DS RDIMM Max Memory (1DPC): Up to 8TB 12800MT/s ECC DDR5 MRDIMM
Drive Bays Configuration	Option A: Total 2 bays • 2 front hot-swap E1.S NVMe drive bays M.2: 2 M.2 PCIe 5.0 x4 NVMe slots (M-key 2280/22110)
Expansion Slots	PCI-Express (PCIe) Configuration: Default • 1 PCIe 6.0 x16 FHHL slot Option A* • 1 PCIe 6.0 x16 FHHL slot • 1 PCIe 6.0 x16 HHHL slot Option B • 1 PCIe 6.0 x16 FHHL slot • 1 PCIe 6.0 x16 AIOM slot (OCP 3.0 compatible) Option C • 2 PCIe 6.0 x16 FHHL slots • 1 PCIe 6.0 x16 AIOM slot (OCP 3.0 compatible) CXL Support: Up to 2 CXL 3.1 x16 devices
On-Board Devices	Network Connectivity: Via AIOM 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 1 GbE Dedicated BMC LAN port USB: 1 USB 3.0 Type-A port (Front) Video: 1 mini-DP port TPM: 1 TPM header



System Cooling	Fans: 8 counter-rotating 40x40x56mm Fan(s) Air Shroud: 1 Air Shroud Liquid Cooling: Direct to Chip (D2C) Cold Plate
Power Supply	Power via Busbar (48-54V DC)
System BIOS	BIOS Type: AMI 64MB SPI Flash EEPROM BIOS Features: Plug and Play (PnP) UEFI 2.8 USB Keyboard support ACPI 6.5 SMBIOS 3.7 or later
Management	Supermicro Server Manager (SSM); Super Diagnostics Offline (SDO); KVM with dedicated LAN ; IPMI 2.0; 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 Voltage: System temperature, Memory temperature, CPU temperature, 3.3V standby, +5V standby, +5V, +3.3V, +12V, CPU thermal trip support
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 H15DPT-F
Chassis	CSE-OC101TS-V01DFP