

FlexTwin SuperServer AS -2126FT-HE-ALC

2U 4-Node FlexTwin™ with advanced liquid cooling (complete rack and onsite service are required)



Key Applications

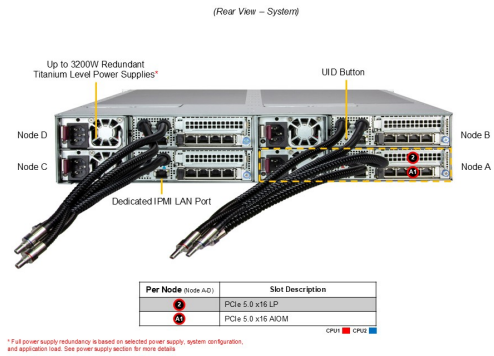
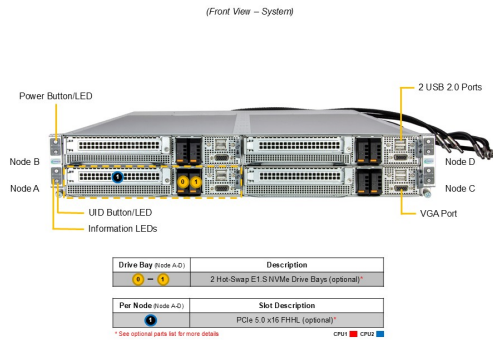
Oil & Gas, Scientific Research, High Performance Computing (HPC), Research Lab,

Key Features

- Four **hot-pluggable** systems (nodes) in a 2U form factor. Each node supports the following;;
- Dual AMD EPYC™ 9005 Series Processors up to 500W with advanced liquid cooling;
- Supports up to 24 DIMM Slots, 6400 MT/s 6TB DDR5 memory (Please check System Memory Section for detail);
- Optional 1 PCIe 5.0 x16 FHHL slot + 1 PCIe 5.0 x16 LP slot;
- Flexible networking with up to 1 OCP 3.0 compatible AIOM slots;
- Optional 2 E1.S Slots + Optional 2 M.2 NVME drive Slots;
- 2 power domains (2 PWS per domain)
Redundant (1+1) Titanium-level (2000 W, 2700 W, or 3200 W) power supplies (Power supply full redundancy based on configuration and application load);



Form Factor	2U Rackmount Enclosure: 449 x 88 x 916.6mm (17.67" x 3.46" x 36.08") Package: 701 x 293 x 1286mm (27.6" x 11.54" x 50.63")
Processor	Dual processor(s) AMD EPYC™ 9005 Series Processors Up to 192C/384T; Up to 512MB Cache per CPU
System Memory	Slot Count: 24 DIMM slots Max Memory (1DPC): Up to 6TB 6400MT/s ECC DDR5 RDIMM
Drive Bays Configuration	Option A: Total 2 bays <ul style="list-style-type: none"> • 2 front hot-swap E1.S NVMe drive bays M.2: 2 M.2 PCIe 5.0 x4 NVMe slots (M-key 22110; optional configuration)
Expansion Slots	PCI-Express (PCIe) Configuration: Default <ul style="list-style-type: none"> • 1 PCIe 5.0 x16 LP slot • 1 PCIe 5.0 x16 AIOM slot (OCP 3.0 compatible) Option A* <ul style="list-style-type: none"> • 1 PCIe 5.0 x16 (in x16) LP slot • 1 PCIe 5.0 x16 (in x16) AIOM slot (OCP 3.0 compatible) • 1 PCIe 5.0 x16 (in x16) FHHL slot M.2: 2 M.2 NVMe slots (M-key 22110(default); optional configuration)
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: 2 USB 2.0 ports(front) Video: 1 VGA port Serial: 1 COM RS232 port(Front) TPM: 1 TPM Onboard/port 80



System Cooling	Fans: Up to 16 counter-rotating 40x40x56mm Fan(s) Air Shroud: 4 Air Shrouds Liquid Cooling: Direct to Chip (D2C) Cold Plate
Power Supply	2x 2000W Redundant (1 + 1) Titanium Level (96%) power supplies
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: 174.87 lbs (79.32 kg) Net Weight: 130.18 lbs (59.08 kg) Available Color: Silver
Operating Environment	RoHS Compliant Operating Temperature: 10°C to 35°C (50°F to 95°F) Non-operating Temperature: -40°C to 60°C (-40°F to 140°F) Operating Relative Humidity: 8% to 90% (Non-Condensing) Non-operating Relative Humidity: 5% to 95% (Non-Condensing)
Motherboard	<u>Super H14DST-FL</u>
Chassis	CSE-F214EC-000NP