## **Key Applications**

SUPERMICR

Software-defined Storage, In-Memory Computing, Data Intensive HPC, Private & Hybrid Cloud, NVMe Over Fabrics Solution,

## **Key Features**

- Single Socket SP5 AMD EPYC<sup>™</sup> 9004 Series processors. Up to 300W TDP.;
- Supports 24 DIMMs with 2DPC, up to 6TB memory capacity with 24 DIMMs of 256GB 3DS RDIMM/RDIMM DDR5 ECC memory;
- Two PCIe 5.0 x16 slots & two AIOM connectors (OCP 3.0 SFF compliant);
- 16x hot-swap E3.S (7.5mm) NVMe drive bays;

• Redundant Titanium 1600W Power Supplies;



DATASHEET

More details her

Form Factor	1U Rackmount
	Enclosure: 438.4 x 43.6 x 773.25mm (17.2" x 1.7" x 30.4")
	Package: 604.774 x 199.898 x 1029.97mm (23.81" x 7.87" x 40.55")
Processor	Single Socket SP5
	AMD EPYC™ 9004 Series Processor featuring the 3D V-Cache™ Technology
	Up to 96C/192T
	Supports 200W - 200W TDP CPUs (Air Cooled)
System Memory	Slot Count: 24 DIMM slots
	Max Memory (2DPC): Up to 6TB 4800MT/s ECC DDR5 RDIMM/LRDIMM
Drive Bays	16x E3.S Hot-swap NVMe (1T/2T) drive slots
	2x PCIe 3.0 (NVMe slots)
	M-Key, 2280 and 22110
Expansion Slots	2 PCIe 5.0 x16 FH slot(s)
	2 PCIe 5.0 x16 AIOM slot(s)
On-Board Devices	Chipset: AMD System on Chip
	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 Dedicated IPMI LAN port
	USB: 4 USB 3.0 port(s) (2 rear; 2 front)
	000. + 000 5.0 port(5) (2 real, 2 rour)





System Cooling	Fans: 8 Heavy Duty 4cm Fan(s)	
Power Supply	1600W Redundant Titanium Level power supplies	
System BIOS	BIOS Type: AMI 32MB SPI Flash EEPROM	
Management	Redfish API; Supermicro Server Manager (SSM); Supermicro Update Manager (SUM); SuperDoctor® 5; Super Diagnostics Offline ; KVM with dedicated LAN ; IPMI 2.0	
PC Health Monitoring	CPU: Monitors for CPU Cores, Chipset Voltages, Memory 4+1 Phase-switching voltage regulator FAN: Fans with tachometer monitoring Status monitor for speed control Pulse Width Modulated (PWM) fan connectors Temperature: Monitoring for CPU and chassis environment Thermal Control for fan connectors	
Dimensions and Weight	Height: 1.7" (43.6 mm) Width: 17.2" (438.4 mm) Depth: 30.4" (773.25 mm) Gross Weight: 68.74 lbs (31.2 kg) Net Weight: 48 lbs (21.8 kg) Packaging: 7.87" (H) x 23.81" (W) x 40.55" (D) Available Color: Silver	
Operating Environment	ROHS: RoHS Compliant Operating Temperature: 10°C ~ 35°C (50°F ~ 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: 8% to 95% (Non-condensing)	
Motherboard	Super H13SSF	
Chassis	CSE-126E32-R1K62P	