Hyper SuperServer AS -2127H7-N

2U dual socket Hyper with up to 24 hot-swap drive bays and 4 PCIe 6.0 x16 slots + 1 PCIe 6.0 x16 AIOM slot

More details here

Key Applications

Virtualization, Software-defined Storage, AI Inference and Machine Learning, Cloud Computing, Enterprise Server, High Performance Computing (HPC),

Key Features

- Dual Socket AMD EPYC™ 9006 SP7 Series Processors up to 512 Cores;
- Supports up to 4 PCIe 6.0 x16 slots;
- Supports up to 32 DDR5 RDIMMs/MRDIMMs;
- Flexible networking with 1 AIOM slot (OCP 3.0 SFF/TSFF compliant);
- Modular front drive bay design supporting up to 16 U.2/E3.S or 12 E1.S hot-swappable NVMe drives
  Front PCIe slot available on select configurations;
- Dual Redundant Titanium Level power supplies (Power supply full redundancy based on configuration and application load);



Form Factor	2U Rackmount Enclosure: 438.4 x 88.9 x 829mm (17.26" x 3.5" x 32.64") Package: 672 x 263 x 1107mm (26.5" x 10.4" x 43.6")
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 24 bays • 24 front hot-swap 2.5" SAS*/SATA* drive bays Option B: Total 16 bays • 16 front hot-swap 2.5" PCIe 6.0 NVMe* drive bays Option C: Total 16 bays • 16 front hot-swap E3.S 1T PCIe 6.0 NVMe* drive bays Option D: Total 12 bays • 12 front hot-swap E1.S PCIe 6.0 NVMe* drive bays (*NVMe/SAS/SATA support may require additional storage controller and/or cables, please see the optional parts list for details) M.2: 2 M.2 PCIe 4.0 x4 NVMe slots (M-key 2280/22110; Optional, hot-swappable with RAID)
Expansion Slots	PCI-Express (PCIe) Configuration: Option A* • 4 PCIe 6.0 x16 FHFL double-width slots • 1 PCIe 6.0 x16 AIOM slot (OCP 3.0 compatible) Option B* • 3 PCIe 6.0 x16 FHFL double-width slots • 1 PCIe 6.0 x16 AIOM slot (OCP 3.0 compatible) Option C* • 2 PCIe 6.0 x16 FHFL double-width slots • 2 PCIe 6.0 x8 FHFL slots • 1 PCIe 6.0 x16 AIOM slot (OCP 3.0 compatible) CXL Support: Up to 4 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: 2 USB 3.0 ports (rear) Video: 1 VGA port TPM: 1 TPM header

©2026 Copyright Super Micro Computer, Inc. All rights reserved. *Product specifications may change without notice

(Front View – System)



Drive Bay	Description
0 – 7	8 Hot-swap 2.5" NVMe/SAS/SATA[1] Drive Bays

[1]NVMe/SAS/SATA support requires additional parts from the optional parts list

(Rear View – System)



Slot Description		Slot Description		Slot Description	
Option 1[1]	Option 2[1]			Option 1[1]	Option 2[1]
1 PCIe 6.0 x16 FHFL	PCIe 6.0 x8 FHFL	5 PCIe 6.0 x16 FHFL		6 PCIe 6.0 x16 FHFL	PCIe 6.0 x16 FHFL
2 Not available	PCIe 6.0 x8 FHFL	Slot Description		7 Not available	PCIe 6.0 x8 FHFL
		AT PCIe 6.0 x16 AIOM (OCP 3.0)		8 Not available	PCIe 6.0 x8 FHFL

CPU 1 CPU 2

[1] Expansion slot availability is based on selected system configuration.
[2] Full power supply redundancy is based on the selected power supply, system configuration, and application load. See Power Supply Section for more details.

System Cooling	Fans: 6 counter-rotating 60x60x56mm Fan(s) Air Shroud: 2 Air Shrouds
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) USB Keyboard support ACPI 6.6 UEFI 2.11 SMBIOS 3.8 or later
Management	SuperCloud Composer® (SCC); 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!; IPMIView
PC Health Monitoring	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 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: 50.4 lbs (22.9 kg) Net Weight: 25.3 lbs (11.5 kg) Available Color: Black front & silver body
Operating Environment	Operating Temperature: 10°C to 35°C (50°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 H15DPH**
Chassis	**CSE-HS202-R000NFP**

©2026 Copyright Super Micro Computer, Inc. All rights reserved. *Product specifications may change without notice