

CloudDC SuperServer AS -2117C7-N

2U single socket CloudDC with DC-MHS, up to 24 hot-swap drive bays, and 5 PCIe 6.0 x16 slots + 1 PCIe 6.0 x16 AIOM slot



Key Applications

Web Server, Cloud Computing, Value IaaS, Data Center, Content Delivery Network (CDN), DNS & Gateway Server, Edge Node, Firewall,

Key Features

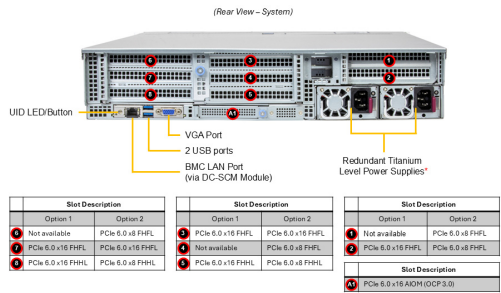
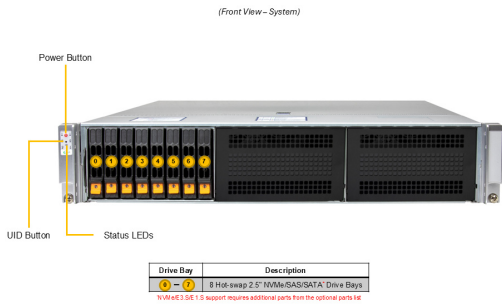
- Single Socket AMD EPYC™ 9006 SP7 Series Processor up to 256 cores;
- Supports up to 4 PCIe 6.0 x16 slots;
- Supports up to 16 DDR5 RDIMMs/MRDIMMs;
- Flexible networking with 1 AIOM slot (OCP 3.0 SFF compliant);
- Modular front drive bay design supporting up to 16 U.2/E3.S or 12 E1.S hot-swappable NVMe drives;
- 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 x 780mm (17.26" x 3.47" x 30.8") Package: 681 x 271 x 1109mm (26.81" x 10.67" x 43.66")
Processor	Single processor(s) AMD EPYC™ 9006 SP7 Series Processors Up to 256C/512T
System Memory	Slot Count: 16 DIMM slots Max Memory (1DPC): Up to 4TB 8000MT/s ECC DDR5 RDIMM/3DS RDIMM Max Memory (1DPC): Up to 4TB 12800MT/s ECC DDR5 MRDIMM
Drive Bays Configuration	Default: Total 24 bays • 24 front hot-swap 2.5" SAS*/SATA* drive bays Option A: Total 16 bays • 16 front hot-swap 2.5" PCIe 6.0 NVMe* drive bays Option B: Total 16 bays • 16 front hot-swap E3.S 1T PCIe 6.0 NVMe* drive bays Option C: 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* • 5 PCIe 6.0 x16 FHFL 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* • 4 PCIe 6.0 x16 FHFL slots • 2 PCIe 6.0 x8 FHFL slots • 1 PCIe 6.0 x16 AIOM slot (OCP 3.0 compatible) CXL Support: Up to 5 CXL 3.1 x16 devices
On-Board Devices	Via AIOM

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



*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: 6x 60x60x56mm Fan(s) Air Shroud: 1 Air Shroud
Power Supply	1x 1600W Redundant Titanium Level (96%) power supply
System BIOS	BIOS Type: AMI 32MB SPI Flash ROM BIOS Features: ACPI 6.4 Plug and Play (PnP) SMBIOS 3.5 or later UEFI 2.8 USB Keyboard support
Management	SuperCloud Composer® (SCC); Supermicro Server Manager (SSM); Supermicro Update Manager (SUM); Supermicro SuperDoctor® 5 (SD5); Super Diagnostics Offline (SDO); Supermicro Thin-Agent Service (TAS); OOB Management Package (SFT-OOB-LIC); SuperServer Automation Assistant (SAA) New!
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: 76.06 lbs (34.5 kg) Net Weight: 51.15 lbs (23.2 kg) Available Color: Silver
Operating Environment	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	Super H15SPHM
Chassis	CSE-MD201TS-R000NDFP