



CloudDC SuperServer AS -1117C7-N

1U single socket CloudDC with DC-MHS, up to 12 hot-swap drive bays and 2 PCIe 6.0 x16 slots + 1 PCIe 6.0 x16 AIOM slot

Key Applications

Virtualization, HPC, CDN, Edge Nodes, Cloud Computing, Data Center
Optimized, Storage Headnode,

Key Features

- Single Socket AMD EPYC™ 9006 SP7 Series Processor up to 256 cores;
- Supports up to 2 PCIe 6.0 x16 FHHL 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 12 2.5"/E1.S/E3.S hot-swappable NVMe/SAS/SATA drives;
- Dual Redundant Titanium Level power supplies (Power supply full redundancy based on configuration and application load);



Form Factor	1U Rackmount Enclosure: 438.4 x 43.6 x 782mm (17.2" x 1.71" x 30.8") Package: 678 x 236 x 1106mm (26.69" x 9.29" x 43.54")
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 12 bays • 12 front hot-swap 2.5" SAS*/SATA* drive bays Option A: Total 12 bays • 12 front hot-swap 2.5" PCIe 6.0 NVMe* drive bays Option B: Total 12 bays • 12 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 x2 NVMe slots (M-key 2280/22110)
Expansion Slots	PCI-Express (PCIe) Configuration: Default • 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 2.0 Type-A port (Rear) 1 USB 3.2 Gen1 Type-A port (Rear) Video: 1 VGA port (Rear) TPM: 1 TPM header

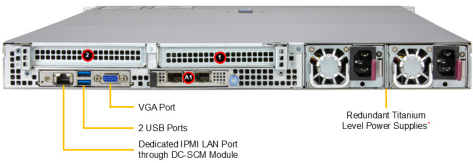
(Front View – System)



Drive Bay	Description
0 - 3	4 Hot-swap 2.5" NVMe/SAS/SATA Drive Bays

*NVMe/SAS/SATA support requires additional parts from the optional parts kit

(Rear View – System)



Slot	Slot Description
1	PCIe 6.0 x16 PTHL
2	PCIe 6.0 x16 AOM (OCP 3.0)

*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: Up to 8 Counter-Rotating PWM 40x40x56mm Fan(s) Air Shroud: 1 Air Shroud
Power Supply	2x 1000W Redundant (1 + 1) Titanium Level (96%) power supplies
System BIOS	BIOS Type: AMI 64MB SPI Flash EEPROM BIOS Features: Plug and Play (PnP) SMBIOS 3.5 or later UEFI 2.8 USB Keyboard support ACPI 6.5
Management	SuperCloud Composer® (SCC); Supermicro Server Manager (SSM); Super Diagnostics Offline (SDO); KVM with dedicated LAN ; IPMI 2.0; Supermicro Thin-Agent Service (TAS); OOB Management Package (SFT-OOB-LIC) ; SuperServer Automation Assistant (SAA) New!; IPMIView
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 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: 70.6 lbs (32 kg) Net Weight: 38 lbs (17 kg) Available Color: Silver
Operating Environment	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 H15SPHM
Chassis	CSE-MD102TS-R000NDFP