



CloudDC SuperServer AS -2116CS-TN

2U UP CloudDC with up to 24 hot-swap 2.5" NVMe/SAS/SATA bays and up to 5 PCIe 5.0 x16 slots

Key Applications

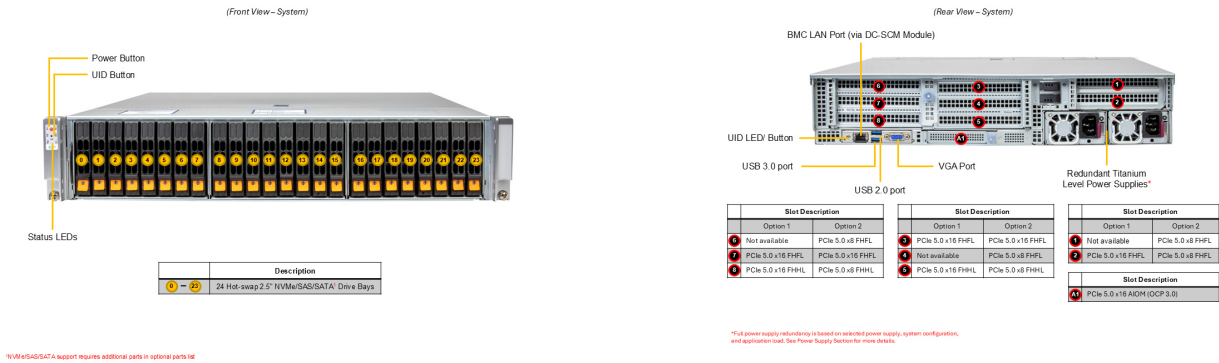
Web Server/Firewall Application, Data Center Optimized/Value IaaS, Cloud Computing/Compact Server, DNS & Gateway Servers/Firewall Application, CDN/Edge Nodes,

Key Features

- Single AMD EPYC™ 9005/9004 Series Processor;
- Support up to 12 DDR5 DIMM slots (1DPC), speed up to 6400MT/s;
- Flexible networking with up to 1 OCP 3.0 compatible AIOM slots;
- Up to 3 PCIe 5.0 x16 FHFL + 2 PCIe 5.0 x16 FHHL + 1 PCIe 5.0 x16 AIOM slots;
- Up to 24 front hot-swap 2.5" SATA/NVMe drive bays;



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™ 9005/9004 Series Processors Up to 192C/384T
System Memory	Slot Count: 12 DIMM slots/12 Channels Max Memory (1DPC): Up to 3TB 6400MT/s ECC DDR5 RDIMM/3DS RDIMM (AMD EPYC™ 9005 Series Processor) Max Memory (1DPC): Up to 3TB 4800MT/s ECC DDR5 RDIMM/3DS RDIMM (AMD EPYC™ 9004 Series Processor)
Drive Bays Configuration	Default: Total 8 bays • 8 front hot-swap 2.5" NVMe drive bays Option A: Total 24 bays • 24 front hot-swap 2.5" PCIe 5.0 NVMe* drive bays Option B: Total 16 bays • 16 front hot-swap 2.5" SAS*/SATA* 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 3.0 x2 NVMe slots (M-key 2280/22110; Optional Configuration)
Expansion Slots	PCI-Express (PCIe) Configuration: Option A* • 6 PCIe 5.0 x8 FHFL slots • 2 PCIe 5.0 x8 FHHL slots Default • 1 PCIe 5.0 x16 AIOM slot (OCP 3.0 compatible) Option B* • 3 PCIe 5.0 x16 FHFL double-width slots • 2 PCIe 5.0 x16 FHHL slots CXL Support: Up to 2 CXL 2.0 x16 devices
On-Board Devices	Via AIOM
Input / Output	LAN: 1 RJ45 1 GbE Dedicated BMC LAN port USB: 1 USB 3.0 port (Rear) (via DC-SCM) 1 USB 2.0 port (Rear) (via DC-SCM) Video: 1 VGA port (via DC-SCM) TPM: 1 TPM header



*NVMe/SAS/SATA support requires additional parts in optional parts list

System Cooling	Fans: 6x 60x60x56mm Fan(s) Air Shroud: 1 Air Shroud
Power Supply	2x 1000W Redundant (1 + 1) Titanium Level (96%) power supplies
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 H14SHM
Chassis	CSE-MD201TS-R000NDFP