

CloudDC SuperServer SYS-222C-TN

2U CloudDC with DC-MHS, 24 hot-swap 2.5" NVMe/SATA/SAS bays, 6 PCIe 5.0 x16/x8 slots and 2 PCIe 5.0 x16 AIOM slots



Key Applications

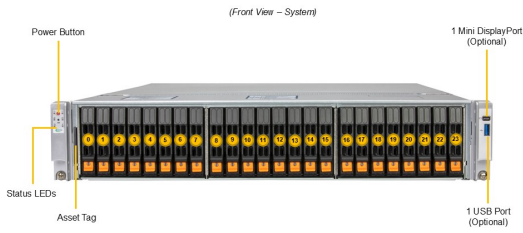
Networking Appliance, Data Center Optimized, Value IaaS, Cloud Computing, HPC, Data Center, Private & Hybrid Cloud, Cloud Solution Provider (CSP),

Key Features

- Designed for Data Center Modular Hardware Systems (DC-MHS) to simplify CSP deployments and serviceability;
- Optimized power & balanced performance for cloud applications;
- Server management flexibility with OpenBMC;

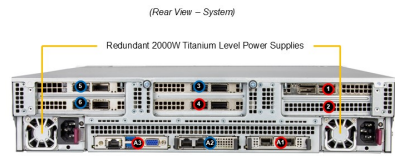


Form Factor	<p>2U Rackmount</p> <p>Enclosure: 438 x 88 x 780mm (17.25" x 3.47" x 30.7")</p> <p>Package: 597 x 239 x 1097mm (23.5" x 9.4" x 43.2")</p>
Processor	<p>Dual Socket E2 (LGA-4710)</p> <p>Intel® Xeon® 6700 series processors with E-cores</p> <p>Up to 144C/144T; Up to 108MB Cache per CPU</p>
GPU	<p>Up to 3 double-width or 6 single-width GPUs</p>
System Memory	<p>Slot Count: 32 DIMM slots</p> <p>Max Memory (1DPC): Up to 2TB 6400MT/s ECC DDR5 RDIMM</p> <p>Max Memory (2DPC): Up to 4TB 5200MT/s ECC DDR5 RDIMM</p>
Drive Bays Configuration	<p>Default: Total 24 bays</p> <ul style="list-style-type: none"> • 24 front hot-swap 2.5" NVMe*/SAS*/SATA* drive bays <p>(*NVMe/SAS/SATA support may require additional storage controller and/or cables)</p> <p>M.2: 2 M.2 PCIe 5.0 x2 NVMe slots (M-key 22110(default)/2280; VROC required for RAID)</p>
Expansion Slots	<p>PCI-Express (PCIe) Configuration: Default</p> <ul style="list-style-type: none"> • 4 PCIe 5.0 x16 (in x16) FHFL slots • 1 PCIe 5.0 x8 (in x16) FHFL slot <p>Option A</p> <ul style="list-style-type: none"> • 2 PCIe 5.0 x16 (in x16) FHFL slots • 1 PCIe 5.0 x8 (in x16) FHFL slot <p>CXL Support: Up to 3 internal CXL 2.0 x16/x8 Type 2/Type 3 devices</p>
On-Board Devices	<p>NVMe: NVMe; RAID 0/1/5/10 support(VROC HW key required)</p> <p>Chipset: System on Chip</p> <p>Network Connectivity: Via AIOM</p>
Input / Output	<p>LAN: 1 RJ45 1 GbE Dedicated BMC LAN port</p> <p>USB: 1 USB 2.0 Type-A port(Rear)</p> <p>1 USB 3.2 Gen1 Type-A port(Rear)</p> <p>Video: 1 VGA port(Rear)</p> <p>TPM: 1 TPM header</p>



Drive Bay	Description
1 - 24	24 Hot-swap 2.5" NVMe/SATA/SAS ¹ Hybrid Drive Bays

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



Slot	Slot Description
1	PCIe 5.0 x16 (or N/A) ¹ FHFL (or FHFL) ²
2	PCIe 5.0 x8 (or N/A) ¹ FHFL (or FHFL) ²
3	PCIe 5.0 x16 FHFL (or FHFL) ²
4	PCIe 5.0 x16 AIOM (OCP 3.0)

Slot	Slot Description
1	PCIe 5.0 x16 FHFL (or FHFL) ²
2	N/A (or optional x16) ¹ FHFL (or FHFL) ²
3	PCIe 5.0 x16 FHFL (or FHFL) ²
4	PCIe 5.0 x16 AIOM (OCP 3.0)
5	DC-SCM

CPU1 CPU2

¹ Shares PCIe lanes with NVMe drives
² Supports FHFL with 1U CPU heatinks or liquid cooling

System Cooling	Fans: 4x 8cm heavy duty fans with optimal fan speed control Air Shroud: 1 Air Shroud
Power Supply	2x 2000W Redundant (1 + 1) Titanium Level (96%) power supplies
System BIOS	BIOS Type: AMI 64MB SPI Flash ROM
Management	SuperCloud Composer; Supermicro Server Manager (SSM); Super Diagnostics Offline (SDO); Supermicro Thin-Agent Service (TAS); SuperServer Automation Assistant (SAA) New!
Dimensions and Weight	Weight: Gross Weight: 83.78 lbs (38 kg) Net Weight: 61.73 lbs (28 kg) Available Color: Silver
Operating Environment	RoHS Compliant Operating Temperature: 10°C ~ 35°C (50°F ~ 95°F) Non-operating Temperature: -30°C to 60°C (-30°F to 140°F) Operating Relative Humidity: 8% to 80% (Non-Condensing) Non-operating Relative Humidity: 8% to 90% (Non-Condensing)
Motherboard	Super X14DBHM
Chassis	CSE-DC201TS-R000NP