

# 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

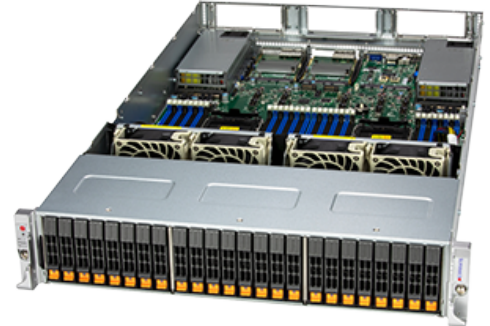


## Key Applications

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;



<b>Form Factor</b>	2U Rackmount Enclosure: 438 x 88 x 780mm (17.25" x 3.47" x 30.7") Package: 597 x 239 x 1097mm (23.5" x 9.4" x 43.2")
<b>Processor</b>	Dual Socket E2 (LGA-4710) Intel® Xeon® 6 6700 series processors with E-cores Up to 144C/144T
<b>GPU</b>	Up to 3 double-width or 6 single-width GPU(s)
<b>System Memory</b>	Slot Count: 32 DIMM slots Max Memory (2DPC): Up to 2TB 6400MT/s ECC DDR5 RDIMM
<b>Drive Bays Configuration</b>	Default: Total 12 bay(s) <ul style="list-style-type: none"> <li>• 12 front hot-swap 2.5" NVMe*/SAS*/SATA* drive bay(s)</li> </ul> (*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 5.0 x4 NVMe slot(s) (M-key 22110(default)/2280; VROC required for RAID)
<b>Expansion Slots</b>	PCI-Express (PCIe) Configuration: Default <ul style="list-style-type: none"> <li>• 4 PCIe 5.0 x16 (in x16) FHFL slot(s)</li> <li>• 1 PCIe 5.0 x8 (in x16) FHFL slot(s)</li> </ul> Option A <ul style="list-style-type: none"> <li>• 2 PCIe 5.0 x16 (in x16) FHFL slot(s)</li> <li>• 1 PCIe 5.0 x8 (in x16) FHFL slot(s)</li> </ul> CXL Support: Up to 3 internal CXL 2.0 x16/x8 Type 2/Type 3 devices
<b>On-Board Devices</b>	NVMe: NVMe; RAID 0/1/5/10 support(VROC HW key required) Chipset: System on Chip Network Connectivity: Via Slim-AIOM
<b>Input / Output</b>	LAN: 1 RJ45 1 GbE Dedicated IPMI LAN port(s) USB: 2 USB 3.0 Type-A port(s) (Rear) Video: 1 VGA port(s) (Rear) TPM: 1 TPM header

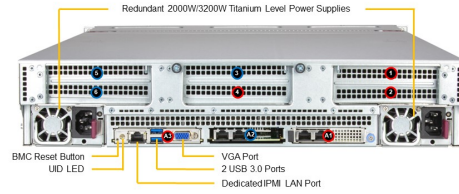
(Front View – System)



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

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

(Rear View – System)



Slot Description		Slot Description	
1	PCIe 5.0 x16 (or N/A) FHxL	1	PCIe 5.0 x16 FHxL
2	PCIe 5.0 x8 (or N/A) FHxL	2	N/A (or optional x16) FHxL
3	PCIe 5.0 x16 FHxL	3	PCIe 5.0 x16 FHxL
4	PCIe 5.0 x16 AOM (OCP 3.0)	4	PCIe 5.0 x16 AOM (OCP 3.0)
		5	PCIe 5.0 x8 DC-SCM

1 Large PCIe lanes from other parts  
\*Supports RFL with I/O CPU heatpipes or liquid cooling

System Cooling	Fans: 4x 8cm heavy duty fans with optimal fan speed control Air Shroud: 1 Air Shroud(s)
Power Supply	2x 2000W Redundant (1 + 1) Titanium Level (96%) power supplies
System BIOS	BIOS Type: AMI 32MB 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	<a href="#">Super X14DBHM</a>
Chassis	<b>CSE-DC201TS-R000NP</b>