



# CloudDC SuperServer SYS-222C-TN

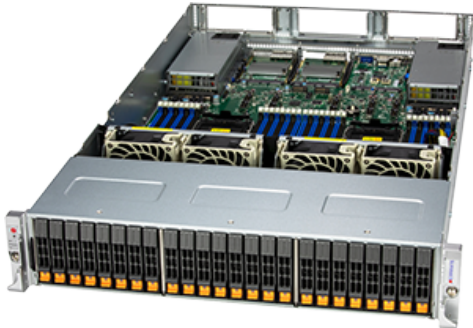
2U CloudDC with DC-MHS, 24 hot-swap 2.5” NVMe/SATA/SAS bays, 6 PCIe 5.0 x16/x8 slots and 2 PCIe 5.0 x16 AIOM slots

## Key Applications

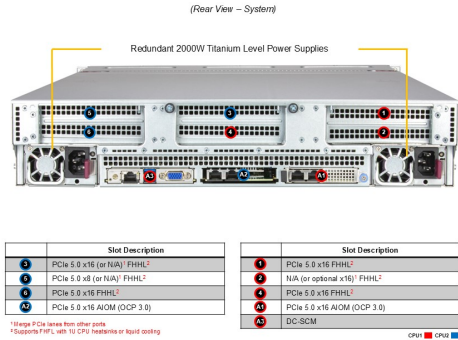
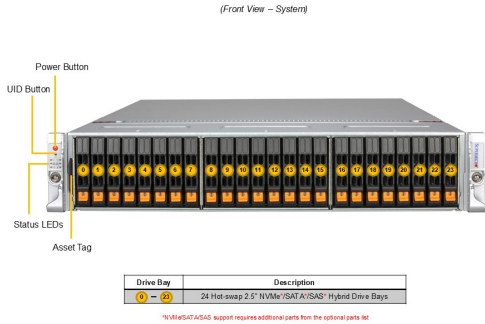
Networking Appliance, Data Center Optimized, Value IaaS, Cloud Computing, HPC, Data Center, Private & Hybrid Cloud, Cloud Solution Provider (CSP),

## 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;



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|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Form Factor              | 2U Rackmount<br>Enclosure: 438 x 88 x 780mm (17.25" x 3.47" x 30.7")<br>Package: 597 x 239 x 1097mm (23.5" x 9.4" x 43.2")                                                                                                                                                                                                                                                                  |
| Processor                | Dual Socket E2 (LGA-4710)<br>Intel® Xeon® 6700 series processors with E-cores<br>Up to 144C/144T; Up to 108MB Cache per CPU                                                                                                                                                                                                                                                                 |
| GPU                      | Up to 3 double-width or 6 single-width GPUs                                                                                                                                                                                                                                                                                                                                                 |
| System Memory            | Slot Count: 32 DIMM slots<br>Max Memory (1DPC): Up to 2TB 6400MT/s ECC DDR5 RDIMM<br>Max Memory (2DPC): Up to 4TB 5200MT/s ECC DDR5 RDIMM                                                                                                                                                                                                                                                   |
| Drive Bays Configuration | Default: Total 24 bays <ul style="list-style-type: none"> <li>• 24 front hot-swap 2.5" NVMe*/SAS*/SATA* drive bays</li> </ul> (*NVMe/SAS/SATA support may require additional storage controller and/or cables)<br>M.2: 2 M.2 PCIe 5.0 x2 NVMe slots (M-key 22110(default)/2280; VROC required for RAID)                                                                                     |
| Expansion Slots          | PCI-Express (PCIe) Configuration: Default <ul style="list-style-type: none"> <li>• 4 PCIe 5.0 x16 (in x16) FHFL slots</li> <li>• 1 PCIe 5.0 x8 (in x16) FHFL slot</li> </ul> Option A <ul style="list-style-type: none"> <li>• 2 PCIe 5.0 x16 (in x16) FHFL slots</li> <li>• 1 PCIe 5.0 x8 (in x16) FHFL slot</li> </ul> CXL Support: Up to 3 internal CXL 2.0 x16/x8 Type 2/Type 3 devices |
| On-Board Devices         | NVMe: NVMe; RAID 0/1/5/10 support(VROC HW key required)<br>Chipset: System on Chip<br>Network Connectivity: Via AIOM                                                                                                                                                                                                                                                                        |
| Input / Output           | LAN: 1 RJ45 1 GbE Dedicated BMC LAN port<br>USB: 1 USB 3.0 Type-A port(Rear)<br>1 USB 2.0 Type-A port(Rear)<br>Video: 1 VGA port(Rear)<br>TPM: 1 TPM header                                                                                                                                                                                                                                 |



|                       |                                                                                                                                                                                                                                                           |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| System Cooling        | Fans: 4x 8cm heavy duty fans with optimal fan speed control<br>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)<br>Net Weight: 61.73 lbs (28 kg)<br>Available Color: Silver                                                                                                                                                       |
| Operating Environment | RoHS Compliant<br>Operating Temperature: 10°C ~ 35°C (50°F ~ 95°F)<br>Non-operating Temperature: -30°C to 60°C (-30°F to 140°F)<br>Operating Relative Humidity: 8% to 80% (Non-Condensing)<br>Non-operating Relative Humidity: 8% to 90% (Non-Condensing) |
| Motherboard           | <a href="#">Super X14DBHM</a>                                                                                                                                                                                                                             |
| Chassis               | CSE-DC201TS-R000NP                                                                                                                                                                                                                                        |