

CloudDC SuperServer SYS-122C-TN

1U CloudDC with DC-MHS, 12 hot-swap 2.5" NVMe/SATA/SAS bays, 3 PCIe 5.0 x16/x8 slots and 2 PCIe 5.0 x16



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>1U Rackmount</p> <p>Enclosure: 438.4 x 43.6 x 755.1mm (17.2" x 1.7" x 29.7")</p> <p>Package: 580 x 185 x 1080mm (22.83" x 7.28" x 42.5")</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 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 12 bays</p> <ul style="list-style-type: none"> • 12 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>Default</p> <ul style="list-style-type: none"> • 2 PCIe 5.0 x16 LP slots • 1 PCIe 5.0 x8 LP slot • 2 PCIe 5.0 x16 AIOM slots (OCP 3.0 compatible)
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 3.0 Type-A port(Rear)</p> <p>1 USB 2.0 Type-A port(Rear)</p> <p>Video: 1 VGA port(Rear)</p> <p>TPM: 1 TPM header</p>

(Front View – System)



Drive Bay	Description
0 - 11	12 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 LP	1 PCIe 5.0 x16 LP
2 PCIe 5.0 x8 LP	2 PCIe 5.0 x16 AOM (OCP 3.0)
3 PCIe 5.0 x16 AOM (OCP 3.0)	1 DC-DCM

CPV GPU

System Cooling	Fans: 8x 4cm heavy duty fans with optimal fan speed control Air Shroud: 2 Air Shrouds
Power Supply	2x 1000W 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: 41 lbs (19 kg) Net Weight: 31 lbs (17 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-DC101TS-R000NP