

# CloudDC SuperServer SYS-621C-TN12R

2U DP CloudDC with 12 hot-swap 3.5" NVMe/SAS/SATA bays and 4 PCIe 5.0 x16 slots + 2 PCIe 5.0 x16 AIOM slots



More details here

## 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

- Dual sockets E (LGA-4677) 5th and 4th Gen Intel® Xeon® Scalable processors;
- 16 DIMMs up to 4TB 3DS ECC DDR5-5600: RDIMM;
- 4 PCIe 5.0 x8 FHHL (optional: combine into 2 PCIe 5.0 x16); 2 PCIe 5.0 x16 FHHL; 2 PCIe 5.0 x4 NVMe M.2;
- Dual AIOM (OCP 3.0) slots with NCSI for networking, 1 dedicated IPMI LAN;
- 12x 3.5/2.5" hot-swap hybrid NVMe/SATA/SAS drive bays;
- 3 heavy duty fans with optimal fan speed control, 1 air shroud;
- 1200W redundant Titanium level 100-240Vac and 200-240 Vdc power supplies;
- 1 VGA, 1 COM, 2 USB 3.0 (rear);



<b>Form Factor</b>	2U Rackmount Enclosure: 437 x 89 x 648mm (17.2" x 3.5" x 25.5") Package: 679 x 296 x 876mm (26.7" x 11.4" x 34.5")
<b>Processor</b>	Dual Socket E (LGA-4677) 5th Gen Intel® Xeon® / 4th Gen Intel® Xeon® Scalable processors Up to 64C/128T; Up to 112.5MB Cache per CPU
<b>GPU</b>	Max GPU Count: Up to 2 double-width or 6 single-width GPUs Supported GPU: NVIDIA PCIe: H100 NVL, H100, L40, RTX A6000, RTX A5000, RTX A4500, RTX A4000, L40S, L4, A2 Intel PCIe: Intel Data Center GPU Flex 140, Intel Data Center GPU Flex 170
<b>System Memory</b>	Slot Count: 16 DIMM slots Max Memory (1DPC): Up to 4TB 5600MT/s ECC DDR5 RDIMM
<b>Drive Bays Configuration</b>	Default: Total 12 bays <ul style="list-style-type: none"> <li>• 12 front hot-swap 3.5" NVMe*/SAS*/SATA* drive bays</li> </ul> Option A: Total 12 bays <ul style="list-style-type: none"> <li>• 12 front hot-swap 2.5" NVMe*/SAS*/SATA* drive bays</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 slots (M-key 2280(default); VROC required for RAID)
<b>Expansion Slots</b>	PCI-Express (PCIe) Configuration: Default <ul style="list-style-type: none"> <li>• 4 PCIe 5.0 x8 (in x16) FHFL double-width slots</li> <li>• 2 PCIe 5.0 x16 FHHL slots</li> <li>• 2 PCIe 5.0 x16 AIOM slots (OCP 3.0 compatible)</li> </ul> Option A <ul style="list-style-type: none"> <li>• 2 PCIe 5.0 x16 FHFL double-width slots</li> <li>• 2 PCIe 5.0 x16 FHHL slots</li> <li>• 2 PCIe 5.0 x16 AIOM slots (OCP 3.0 compatible)</li> </ul> Option B <ul style="list-style-type: none"> <li>• 4 PCIe 5.0 x16 FHFL double-width slots</li> <li>• 2 PCIe 5.0 x16 FHHL slots</li> <li>• 2 PCIe 5.0 x16 AIOM slots (OCP 3.0 compatible)</li> </ul> CXL Support: Up to 2 CXL 1.1 x16/x8 Type 2/Type 3 devices
<b>On-Board Devices</b>	SATA: SATA (6Gbps) ; RAID 0/1/5/10 support NVMe: NVMe; RAID 0/1/5/10 support(VROC HW key required) Chipset: Intel® C741 Network Connectivity: Via AIOM

## Input / Output

LAN: 1 RJ45 1 GbE Dedicated BMC LAN port

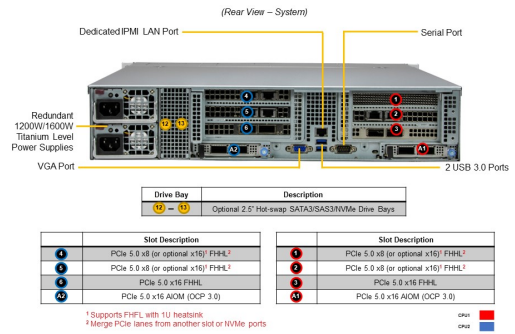
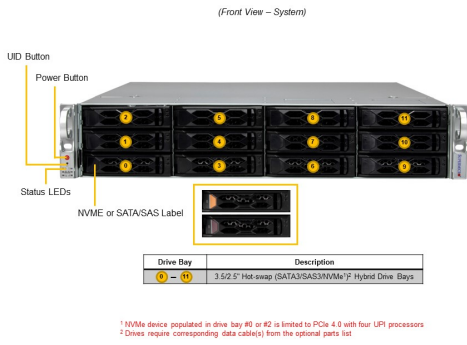
USB: 2 USB 3.2 Gen1 Type-A ports(rear)

Video: 1 VGA port

Serial: 1 COM port(Rear)

TPM: 1 TPM header

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System Cooling	Fans: 3x 8cm heavy duty fans with optimal fan speed control Air Shroud: 1 Air Shroud
Power Supply	2x 1200W Redundant Titanium Level (96%) Hot-plug power supplies
System BIOS	BIOS Type: AMI 32MB SPI FLASH ROM
Management	SuperCloud Composer <sup>®</sup> ; Supermicro Server Manager (SSM); Supermicro Update Manager (SUM); Supermicro SuperDoctor <sup>®</sup> 5 (SD5); Super Diagnostics Offline (SDO); Supermicro Thin-Agent Service (TAS); SuperServer Automation Assistant (SAA) New!
PC Health Monitoring	FAN: Fans with tachometer monitoring Status monitor for speed control Pulse Width Modulated (PWM) fan connectors Temperature: Monitoring for CPU and chassis environment Thermal Control for fan connectors CPU: Monitors for CPU Cores, Chipset Voltages, Memory. 8 Phase-switching voltage regulator
Dimensions and Weight	Weight: Gross Weight: 59 lbs (26.76 kg) Net Weight: 33 lbs (15 kg) Available Color: Black front & silver body
Operating Environment	RoHS Compliant Name: A2 Operating Temperature: 10°C to 35°C (50°F to 95°F) Non-operating Temperature: -30°C to 60°C (-40°F to 140°F) Operating Relative Humidity: 8% to 80% (max 21° DP; non-condensing) Non-operating Relative Humidity: 8% to 90% (max 38° DP; non-condensing)
Motherboard	<a href="#">Super X13DDW-A</a>
Chassis	CSE-LA26TS-R1K23AWP1