

# CloudDC SuperServer SYS-121C-TN2R



More details here

## Key Applications

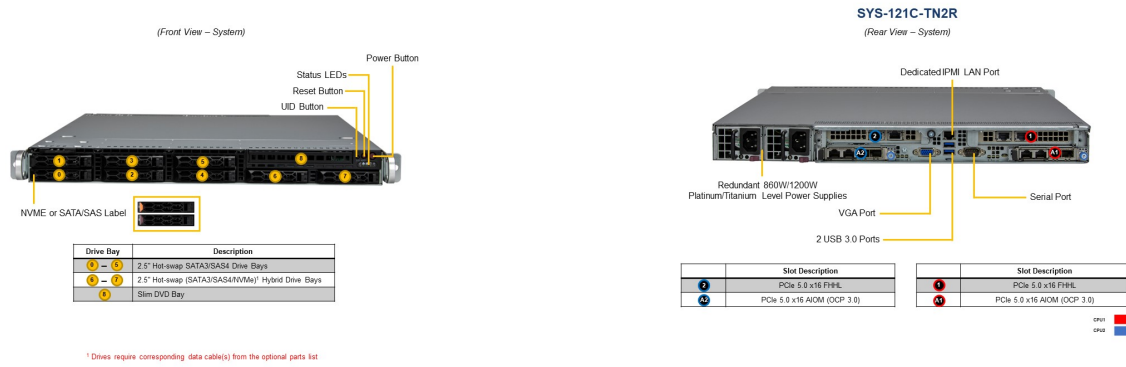
Web Server, Firewall Application, Data Center Optimized, Value IaaS, Cloud Computing, Compact Server, DNS & Gateway Servers, Firewall Application, CDN, Edge Nodes,

## 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;
- 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;
- 8x 2.5" hot-swap SATA/SAS4 w/ 2x hybrid NVME drive bays;
- 1 VGA, 1 COM, 2 USB 3.0 (rear);



Form Factor	<p>1U Rackmount</p> <p>Enclosure: 437 x 43 x 597mm (17.2" x 1.7" x 23.5")</p> <p>Package: 605 x 197 x 822mm (23.8" x 7.8" x 32.4")</p>
Processor	<p>Dual Socket E (LGA-4677)</p> <p>5th Gen Intel® Xeon®/4th Gen Intel® Xeon® Scalable processors</p> <p>Up to 32C/64T; Up to 82.5MB Cache per CPU</p>
GPU	<p>Max GPU Count: Up to 2 single-width GPU(s)</p> <p>Supported GPU: Intel PCIe: Intel Data Center GPU Flex 140</p> <p>NVIDIA PCIe: A2,L4</p>
System Memory	<p>Slot Count: 16 DIMM slots</p> <p>Max Memory (1DPC): Up to 4TB 5600MT/s ECC DDR5 RDIMM</p>
Drive Bays	<p>8x 2.5" hot-swap NVMe/SATA/SAS drive bays (2x 2.5" NVMe hybrid)(Storage drives require additional cables from the optional parts list.)</p> <p>2x PCIe 5.0 x4 (*VROC is required)</p> <p>M-Key, 2280</p>
Expansion Slots	<p>2 PCIe 5.0 x16 FHHL slot(s)</p>
On-Board Devices	<p>NVMe: NVMe; RAID 0/1/5/10 support (*VROC is required)</p> <p>SATA: SATA3 (6Gbps) via Intel® C741; RAID 0/1/5/10 support</p> <p>Chipset: Intel® C741</p> <p>Network Connectivity:</p> <p>with Advanced IO Module, AIOM (OCP 3.0 NIC, refer to AIOM Network Card(s) under Optional Parts List for options)</p> <p>Note: High TDP 200-400G NICs have support conditions due to thermal requirements.</p> <p>IPMI: Support for Intelligent Platform Management Interface v.2.0</p> <p>IPMI 2.0 with virtual media over LAN and KVM-over-LAN support</p>
Input / Output	<p>LAN: 1 Dedicated IPMI LAN port</p> <p>USB: 2 USB 3.0 port(s) (2 rear)</p> <p>Video: 1 VGA port(s)</p> <p>Serial Port: 1 COM Port(s) (1 rear)</p>



System Cooling	Fans: 6x 4cm heavy duty fans with optimal fan speed control Air Shroud: 2 Air Shroud(s)
Power Supply	2x 860W Redundant Titanium Level power supplies
System BIOS	BIOS Type: AMI 32MB SPI FLASH ROM
Management	Redfish API; SuperCloud Composer; Supermicro Server Manager (SSM); Supermicro Power Manager (SPM); Supermicro Update Manager (SUM); SuperDoctor® 5; Super Diagnostics Offline ; KVM with dedicated LAN ; IPMI 2.0
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	Height: 1.7" (43 mm) Width: 17.2" (437 mm) Depth: 23.5" (597 mm) Gross Weight: 40 lbs (18.1 kg) Net Weight: 25 lbs (11.3 kg) Packaging: 7.8" (H) x 23.8" (W) x 32.4" (D) Available Color: Black front & silver body
Operating Environment	Operating Temperature: 10°C ~ 35°C (50°F ~ 95°F) Non-operating Temperature: -40°C to 60°C (-40°F to 140°F) Operating Relative Humidity: 8% to 90% (non-condensing) Non-operating Relative Humidity: 5% to 95% (non-condensing)
Motherboard	<a href="#">Super X13DDW-A</a>
Chassis	CSE-LB13TS-R0AWNP2