

CloudDC SuperServer SYS-121C-TN2R

1U DP CloudDC with 8 hot-swap 2.5" SATA (2 NVMe hybrid) bays and 2 PCIe 5.0 x16 slots + 2 PCIe 5.0 x16 AIOM slots



More details here

Key Applications

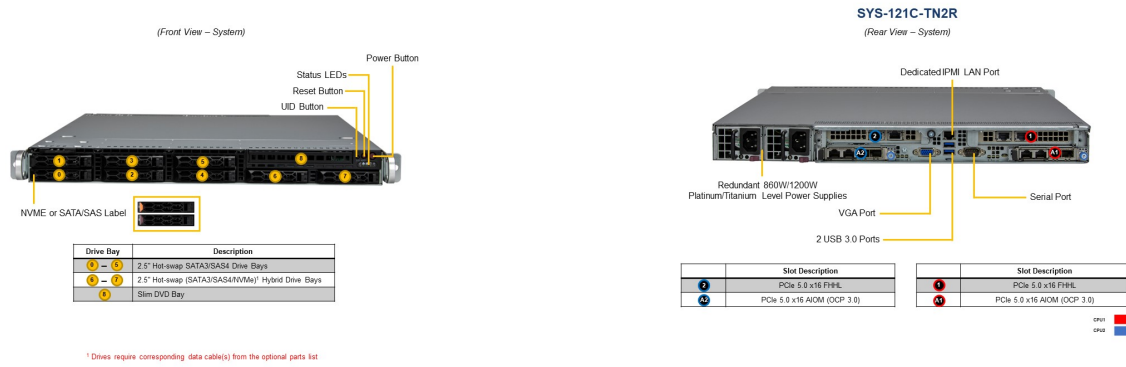
Web Server, Firewall Application, Data Center Optimized, Value IaaS, Cloud Computing, Compact Server, DNS & Gateway Servers, Firewall Application, CDN, Edge Nodes,

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;
- 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);



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| 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 36C/72T; Up to 82.5MB Cache per CPU</p> |
| GPU | <p>Max GPU Count: Up to 2 single-width GPU(s)</p> <p>Supported GPU: NVIDIA PCIe: L4, A2</p> <p>Intel PCIe: Intel Data Center GPU Flex 140</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 Configuration | <p>Default: Total 8 bay(s)</p> <ul style="list-style-type: none"> • 2 front hot-swap 2.5" NVMe*/SAS*/SATA* drive bay(s) • 6 front hot-swap 2.5" SAS*/SATA* drive bay(s) <p>(*NVMe/SAS/SATA support may require additional storage controller and/or cables, please see the optional parts list for details)</p> <p>M.2: 2 M.2 PCIe 5.0 x4 NVMe slot(s) (M-key 2280(default); VROC required for RAID)</p> <p>Peripheral Bays: 1 slim DVD bay(s) (optional)</p> |
| Expansion Slots | <p>Default</p> <ul style="list-style-type: none"> • 2 PCIe 5.0 x16 FHHL slot(s) • 2 PCIe 5.0 x16 AIOM slot(s) (OCP 3.0 compatible) |
| On-Board Devices | <p>SATA: SATA (6Gbps) ; RAID 0/1/5/10 support</p> <p>NVMe: NVMe; RAID 0/1/5/10 support(VROC HW key required)</p> <p>Chipset: Intel® C741</p> <p>Network Connectivity: Via Slim-AIOM</p> |
| Input / Output | <p>LAN: 1 RJ45 1 GbE Dedicated IPMI LAN port(s)</p> <p>USB: 2 USB 3.0 port(s) (rear)</p> <p>Video: 1 VGA port(s)</p> <p>Serial: 1 COM port(s) (Rear)</p> <p>TPM: 1 TPM header</p> |



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| System Cooling | Fans: 6x 4cm heavy duty fans with optimal fan speed control Air Shroud: 2 Air Shroud(s) |
| Power Supply | 2x 860W Redundant (1 + 1) Titanium Level (96%) Hot-plug power supplies |
| System BIOS | BIOS Type: AMI 32MB SPI FLASH ROM |
| Management | SuperCloud Composer; Supermicro Server Manager (SSM); Supermicro Update Manager (SUM); Supermicro SuperDoctor® 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: 40 lbs (18.1 kg) Net Weight: 25 lbs (11.3 kg) Available Color: Black front & silver body |
| Operating Environment | RoHS Compliant Name: A2 Operating Temperature: 10°C ~ 35°C (50°F ~ 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 | Super X13DDW-A |
| Chassis | CSE-LB13TS-R0AWNP2 |