

CloudDC SuperServer SYS-620C-TN12R

2U CloudDC with 12 3.5" NVMe/SAS/SATA bays and up to 4 PCIe 4.0 x16 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 P+ (LGA-4189) 3rd Gen Intel® Xeon® Scalable processors;
- Intel® C621A Chipset;
- 16 DIMMs up to 6TB 3DS ECC DDR4-3200: LRDIMM/RDIMM/Intel® Intel® DCPMM;
- 4 PCIe 4.0 x8 FHHL (optional: combine into 2 PCIe 4.0 x16); 2 PCIe 4.0 x16 FHHL; 2 PCIe 3.0 x2 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);



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| Form Factor | 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") |
| Processor | Dual Socket P4 (LGA-4189) 3rd Gen Intel® Xeon® Scalable processors Up to 40C/80T; Up to 60MB Cache per CPU |
| GPU | Max GPU Count: Up to 2 double-width or 6 single-width GPUs Supported GPU: NVIDIA PCIe: A100, A16, A2, A30, RTX A4500, RTX A5000, RTX A6000 Intel PCIe: Intel Data Center GPU Flex 170 |
| System Memory | Slot Count: 16 DIMM slots Max Memory (1DPC): Up to 4TB 3200MT/s ECC DDR4 RDIMM/LRDIMM Supports Intel® Optane™ persistent memory 200 series |
| Drive Bays Configuration | Default: Total 12 bays <ul style="list-style-type: none"> • 12 front hot-swap 3.5" NVMe*/SAS*/SATA drive bays Option A: Total 12 bays <ul style="list-style-type: none"> • 12 front hot-swap 2.5" NVMe*/SAS*/SATA drive bays (*NVMe/SAS support may require additional storage controller and/or cables, please see the optional parts list for details) M.2: 2 M.2 PCIe 3.0 x2 NVMe slots (M-key 2280(default); VROC required for RAID) |
| Expansion Slots | Default <ul style="list-style-type: none"> • 4 PCIe 4.0 x8 (in x16) FHFL double-width slots • 2 PCIe 4.0 x16 FHHL slots • 2 PCIe 4.0 x16 AIOM slots (OCP 3.0 compatible) Option A <ul style="list-style-type: none"> • 2 PCIe 4.0 x16 FHFL double-width slots • 2 PCIe 4.0 x16 FHHL slots • 2 PCIe 4.0 x16 AIOM slots (OCP 3.0 compatible) Option B <ul style="list-style-type: none"> • 4 PCIe 4.0 x16 FHFL double-width slots • 2 PCIe 4.0 x16 FHHL slots • 2 PCIe 4.0 x16 AIOM slots (OCP 3.0 compatible) |
| On-Board Devices | SATA: SATA (6Gbps) ; RAID 0/1/5/10 support NVMe: NVMe; RAID 0/1/5/10 support(VROC HW key required) Network Connectivity: Via AIOM |

Input / Output

LAN: 1 RJ45 1 GbE Dedicated BMC LAN port

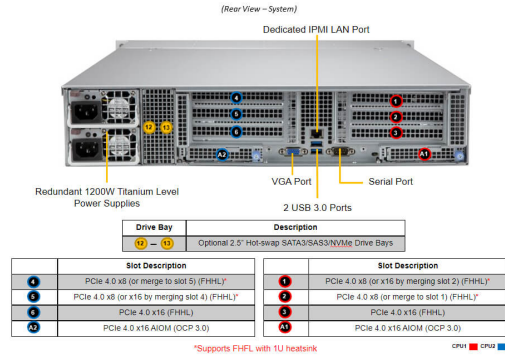
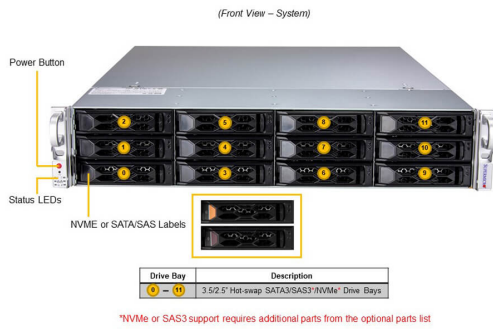
USB: 2 USB 3.2 Gen1 Type-A ports(rear)

Video: 1 VGA port

Serial: 1 COM port(rear)

DOM: 1 Super [DOM](#) (Disk on Module) port

TPM: 1 TPM header



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| System Cooling | Fans: Up to 3x 8cm heavy duty fans with optimal fan speed control Air Shroud: 1 Air Shroud |
| Power Supply | 2x 1200W Redundant (1 + 1) Titanium Level (96%) power supplies |
| System BIOS | BIOS Type: AMI 32MB SPI FLASH ROM |
| Management | SuperCloud Composer® (SCC); 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 | CPU: 8 Phase-switching voltage regulator Monitors for CPU Cores, Chipset Voltages, Memory. FAN: Fans with tachometer monitoring Pulse Width Modulated (PWM) fan connectors Status monitor for speed control Temperature: Monitoring for CPU and chassis environment Thermal Control for fan connectors |
| 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 Operating Temperature: 10°C to 35°C (50°F to 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 | Super X12DDW-A6 |
| Chassis | CSE-LA26TS-R1K23AWP1 |