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);

Form Factor	2U Rackmount Enclosure: 437 x 89 x 648mm (17.2" x 3.5" x 25.5") Package: 678 x 290 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 GPU(s) Supported GPU: NVIDIA PCIe: RTX A6000, RTX A5000, RTX A4500, A30, A16, A2, A100 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 bay(s) • 12 front hot-swap 3.5" NVMe*/SAS*/SATA drive bay(s) Option A: Total 12 bay(s) • 12 front hot-swap 2.5" NVMe*/SAS*/SATA drive bay(s) (*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 slot(s) (M-key 2280(default); VROC required for RAID)
Expansion Slots	Default • 4 PCIe 4.0 x8 (in x16) FHFL double-width slot(s) • 2 PCIe 4.0 x16 FHHL slot(s) • 2 PCIe 4.0 x16 AIOM slot(s) (OCP 3.0 compatible) Option A • 2 PCIe 4.0 x16 FHFL double-width slot(s) • 2 PCIe 4.0 x16 FHHL slot(s) • 2 PCIe 4.0 x16 AIOM slot(s) (OCP 3.0 compatible) Option B • 4 PCIe 4.0 x16 FHFL double-width slot(s) • 2 PCIe 4.0 x16 FHHL slot(s) • 2 PCIe 4.0 x16 AIOM slot(s) (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) Chipset: Intel® C621A Network Connectivity: Via Slim-AIOM

Input / Output	LAN: 1 RJ45 1 GbE Dedicated IPMI LAN port(s) USB: 2 USB 3.0 port(s) (rear) Video: 1 VGA port(s) Serial: 1 COM port(s) (Rear) DOM: 1 SuperDOM (Disk on Module) port(s) TPM: 1 TPM header

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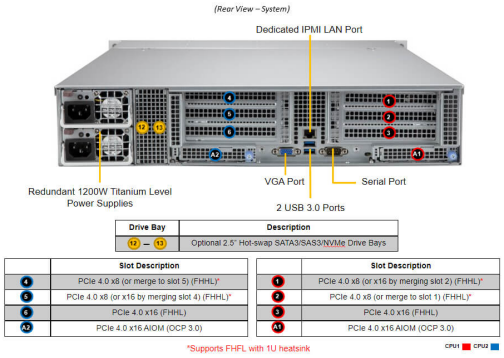

System Cooling	Fans: 3x 8cm heavy duty fans with optimal fan speed control Air Shroud: 1 Air Shroud(s)
Power Supply	1x 1200W Redundant Titanium Level (96%) Hot-plug power supply
System BIOS	BIOS Type: AMI 32MB SPI FLASH ROM
Management	SuperCloud Composer; Supermicro Server Manager (SSM); Supermicro Update 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: 59 lbs (26.76 kg) Net Weight: 33 lbs (15 kg) Available Color: Black front & sliver body
Operating Environment	RoHS Compliant 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	**Super X12DDW-A6**
Chassis	**CSE-LA26TS-R1K23AWP1**

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