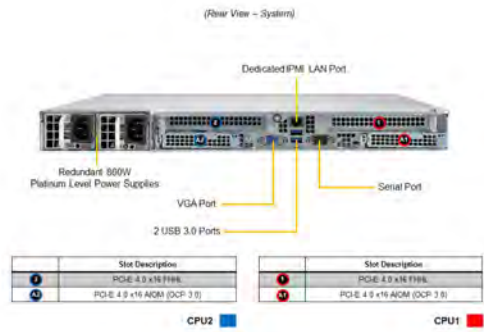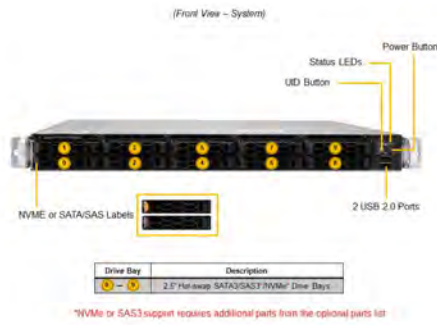# CloudDC SuperServer SYS-120C-TN10R

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® DCPMM;
- 2 PCIe 4.0 x16 FHHL; 2 PCIe 4.0 x16 AIOM (OCP 3.0); 2 PCIe 3.0 x2 NVMe M.2;
- Dual AIOM with NCSI (OCP 3.0) for networking, 1 dedicated IPMI LAN;
- 10x 2.5" hot-swap hybrid NVMe/SATA/SAS drive bays;
- 6 counter-rotating 4 cm PWM fans with optimal fan speed control, 2 air shrouds;
- 860W redundant Platinum level 100-240Vac and 200-240 Vdc power supplies;
- 1 VGA, 1 COM, 2 USB 3.0 (rear), 2 USB 2.0 (front);

Form Factor	1U Rackmount Enclosure: 437 x 43 x 597mm (17.2" x 1.7" x 23.5") Package: 602 x 196 x 808mm (23.7" x 7.7" x 31.8")
Processor	3rd Gen Intel® Xeon® Scalable processors Dual Socket LGA-4189 (Socket P+) supported TDP up to 270W; 3 UPI
System Memory	16 DIMM slots Up to 4 TB ECC RDIMM, DDR4-3200MHz Up to 4 TB ECC LRDIMM, DDR4-3200MHz Up to 4 TB Intel® DCPMM, DDR4-3200MHz
Drive Bays	10x 2.5" hot-swap NVMe/SATA/SAS drive bays (10x 2.5" NVMe hybrid)(NVMe drives require additional cables from the optional parts list.) 2 M.2 NVMe M-Key, 2280
Expansion Slots	2 PCIe 4.0 x16 FHHL slot(s)
On-Board Devices	SATA: SATA3 (6Gbps); RAID 0/1/5/10 support NVMe: NVMe; RAID 0/1/5/10 support ((*VROC is required)) Chipset: Intel® C621A Network Connectivity: Via Slim-AIOM IPMI: Support for Intelligent Platform Management Interface v.2.0 IPMI 2.0 with virtual media over LAN and KVM-over-LAN support
Input / Output	LAN: 1 Dedicated IPMI LAN port USB: 2 USB 3.0 port(s) (2 rear) 2 USB 2.0 port(s) (2 front) Video: 1 VGA port(s) Serial Port: 1 COM Port(s) (1 rear) DOM: 1 SuperDOM (Disk on Module) port

System Cooling	6x 4cm heavy duty fan(s)
Power Supply	800W/860W 1U redundant power supply Dimension (W x H x L): 54.5 x 40.25 x 322 mm Output Type: Backplanes (gold finger)
System BIOS	BIOS Type: AMI 32MB SPI FLASH ROM
Management	SuperDoctor® 5; Watch Dog; NMI; SUM; KVM with dedicated LAN; SPM; Intel® Node Manager; SSM; IPMI 2.0; Redfish API; SCC

PC Health Monitoring	CPU: 4+1 Phase-switching voltage regulator
	     Monitors for CPU Cores, Chipset Voltages, Memory.
	Temperature: Monitoring for CPU and chassis environment
	          Thermal Control for fan connectors
	FAN: Status monitor for speed control
	     Pulse Width Modulated (PWM) fan connectors
	     Fans with tachometer monitorin

Dimensions and Weight	Height: 1.7" (43 mm) Width: 17.2" (437 mm) Depth: 23.5" (597 mm) Gross Weight: 40 lbs (18.14 kg) Packaging: 7.7" (H) x 23.7" (W) x 31.8" (D) Available Color: Black
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	Super X12DDW-A6
Chassis	CSE-LB16AC10-R860AW