

UP SuperServer SYS-510P-WTR



More details here

Key Applications

Virtualization, Cloud Computing, Enterprise Server, Data Center Optimized,

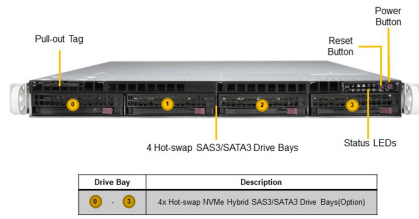
Key Features

- Single Socket P+ (LGA-4189) 3rd Gen Intel® Xeon® Scalable processors. Up to 270W TDP.;
- 8 DIMMs; Supports 3DS DDR4-3200: RDIMM/LRDIMM/Intel® DCPMM;
- 2 PCIe 4.0 x16 (FHFL) slots, 1 PCIe 4.0 x16 (LP) slot;
- Intel® Ethernet Controller X550 2x 10GbE RJ45;
- 4x hot-swap 3.5" Hybrid SATA3/NVMe drive bays, SAS3 with additional SAS controller card; Onboard 1x NVMe/SATA M.2;
- Redundant Platinum 500W Power Supply;

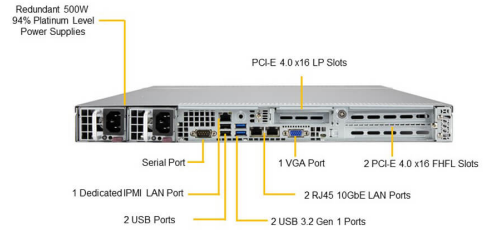


Form Factor	1U Rackmount Enclosure: 437 x 43 x 650mm (17.2" x 1.7" x 25.6") Package: 596.9 x 215.9 x 855.98mm (23.5" x 8.5" x 33.7")
Processor	Single Socket P+ (LGA-4189) 3rd Gen Intel® Xeon® Scalable processors Up to 40C/80T; Up to 60MB Cache
System Memory	Slot Count: 8 DIMM slots Max Memory (2DPC): Up to 2TB 3200MT/s ECC DDR4 RDIMM/LRDIMM Supports Intel® Optane™ persistent memory 200 series
Drive Bays	4x 3.5" NVMe/SATA drive bays (4x 3.5" NVMe hybrid) 1x PCIe 3.0 x4 and SATA M-key, 2280, 22110
Expansion Slots	2 PCIe 4.0 x16 FHFL slot(s) 1 PCIe 4.0 x16 LP slot(s)
On-Board Devices	SATA: SATA3 (6Gbps); RAID 0/1/5/10 support NVMe: NVMe; RAID 0/1/5/10 support (*VROC HW key is required) Chipset: Intel® C621A Network Connectivity: 2x 10GbE BaseT with Intel® X550 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	SATA: 10 SATA (6Gbps) port(s) LAN: 2 RJ45 10GBase-T LAN ports 1 RJ45 Dedicated IPMI LAN port USB: 2 USB 2.0 port(s) (2 rear) 4 USB 3.2 Gen 1 port(s) (2 rear; 2 headers) 3 USB port(s) (1 Type A; 2 headers) Video: 1 VGA 2 port(s) Serial Port: 2 COM Port(s) (1 header; 1 rear) DOM: 2 SuperDOM (Disk on Module) port with built-in power

(Front View – System)



(Rear View – System)



System Cooling	Fans: 1 AOC cooling Fan(s) (optional) 5 counter-rotation PWM 40x40x56mm Fan(s)
Power Supply	500W Redundant Platinum Level power supplies
System BIOS	BIOS Type: AMI 32MB SPI Flash EEPROM
Management	Redfish API; 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	CPU: Monitors for CPU Cores, Chipset Voltages, Memory 7+1 Phase-switching voltage regulator 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
Dimensions and Weight	Height: 1.7" (43 mm) Width: 17.2" (437 mm) Depth: 25.6" (650 mm) Gross Weight: 48 lbs (21.77 kg) Net Weight: 24 lbs (10.89 kg) Packaging: 8.5" (H) x 23.5" (W) x 33.7" (D) Available Color: Black
Operating Environment	Operating Temperature: 10°C ~ 35°C (50°F ~ 95°F) Non-operating Temperature: -40°C to 70°C (-40°F to 158°F) Operating Relative Humidity: 8% to 90% (non-condensing) Non-operating Relative Humidity: 5% to 95% (non-condensing)
Motherboard	Super X12SPW-TF
Chassis	CSE-815TS-R504WBP6