

# UP SuperServer SYS-510T-WTR

1U UP WIO with 4 hot-swap 3.5" drive bays and 2 PCIe 4.0 slots



More details here

## Key Applications

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

## Key Features

- Single Socket H5 (LGA-1200) supports Intel® Xeon® E-2300 series, Intel® Pentium® processors;
- 4 DIMMs; Up to 128GB of DDR4 ECC UDIMM memory with speeds of up to 3200MHz;
- 1 PCIe 4.0 x16 or 2 PCIe 4.0 x8 (FHFL); 1 PCIe 3.0 x4 (in x8 LP);
- Intel® Ethernet Controller X550 2x 10GbE RJ45;
- Redundant Platinum 500W Power Supply;



<b>Form Factor</b>	<p>1U Rackmount</p> <p>Enclosure: 437 x 43 x 650mm (17.2" x 1.7" x 25.6")</p> <p>Package: 596.9 x 215.9 x 855.98mm (23.5" x 8.5" x 33.7")</p>
<b>Processor</b>	<p>Single Socket H5 (LGA-1200)</p> <p>Intel® Xeon® E-2300 series Processors and 10th Gen. Pentium® Processors</p> <p>Up to 8C/16T; Up to 16MB Cache</p>
<b>GPU</b>	<p>Max GPU Count: Up to 1 double-width or 1 single-width GPU</p> <p>Supported GPU: NVIDIA PCIe: RTX A2000, T4</p> <p>CPU-GPU Interconnect: PCIe 4.0 x16 CPU-to-GPU Interconnect</p>
<b>System Memory</b>	<p>Slot Count: 4 DIMM slots</p> <p>Max Memory (2DPC): Up to 128GB 3200MT/s ECC DDR4 UDIMM</p>
<b>Drive Bays Configuration</b>	<p>Default: Total 4 bays</p> <ul style="list-style-type: none"> <li>• 4 front hot-swap 3.5" SAS*/SATA drive bays</li> </ul> <p>(*SAS 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 4.0 x4 NVMe slots (M-key 2280/22110)</p> <p>Peripheral Bays: 2 2.5" bays</p>
<b>Expansion Slots</b>	<p>Default</p> <ul style="list-style-type: none"> <li>• 2 PCIe 4.0 x8 FHFL slots</li> <li>• 1 PCIe 3.0 x4 (in x8) LP slot</li> </ul> <p>Option A</p> <ul style="list-style-type: none"> <li>• 1 PCIe 4.0 x16 FHFL slot</li> <li>• 1 PCIe 3.0 x4 (in x8) LP slot</li> </ul>
<b>On-Board Devices</b>	<p>SATA: SATA (6Gbps) ; RAID 0/1/5/10 support</p> <p>Network Connectivity: 2 RJ45 10GbE with Intel® X550</p>
<b>Input / Output</b>	<p>LAN: 2 RJ45 10 GbE LAN ports</p> <p>1 RJ45 1 GbE Dedicated BMC LAN port (IPMI shared on LAN port 1)</p> <p>USB: 4 USB 2.0 ports(header)</p> <p>2 USB 3.2 Gen1 Type-A ports(rear)</p> <p>2 USB 2.0 Type-A ports(rear)</p> <p>2 USB 3.2 Gen1 ports(Header)</p> <p>1 USB 3.2 Gen2 Type-A port(Header)</p> <p>Video: 1 VGA port</p> <p>Serial: 1 COM port(Rear)</p> <p>1 COM port(Header)</p> <p>DOM: 2 SuperDOM (Disk on Module) portswith built-in power</p> <p>TPM: 1 TPM header</p>



System Cooling	Fans: Up to 4 counter-rotation PWM 40x40x56mm Fan(s) Up to 2 AOC cooling Fan(s) (optional) Air Shroud: 1 Air Shroud
Power Supply	2x 500W Redundant (1 + 1) Platinum Level (94%) power supplies
System BIOS	BIOS Type: AMI 32MB SPI Flash EEPROM
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: 6 + 2 + 1 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: 48 lbs (21.77 kg) Net Weight: 24 lbs (10.89 kg) Available Color: Black
Operating Environment	Operating Temperature: 10°C to 35°C (50°F to 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	<a href="#"><u>Super X12STW-TF</u></a>
Chassis	<b>CSE-815TS-R504WBP7</b>