

# UP SuperServer SYS-511E-WR

1U UP WIO with 4 hot-swap 3.5" SAS/SATA bays and 3 PCIe 5.0 slots



More details here

## Key Applications

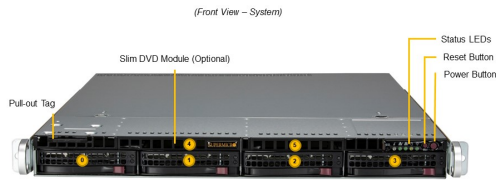
Virtualization, Cloud Computing, Data Center Optimized, Entry GPU server, Value IaaS,

## Key Features

- Single Socket E (LGA-4677) 4th/5th Gen Intel® Xeon® Scalable processors. Up to 300W TDP;
- Intel® C741 Chipset;
- 8 DIMMs; Supports 3DS DDR5 RDIMM. Up to 5600 MHz;
- Onboard 1G LAN ports (Intel® i210), 1 dedicated IPMI LAN;
- 4x front hot-swap 3.5" SATA3 drive bays, SAS3 with additional SAS controller card;
- Redundant Now Titanium 860W Power Supplies;

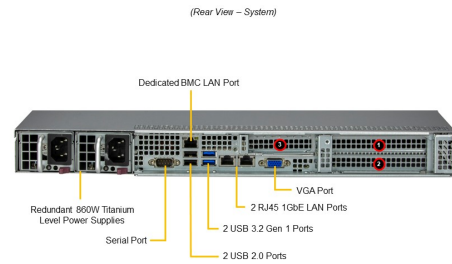


<b>Form Factor</b>	<p>1U Rackmount</p> <p>Enclosure: 437 x 43 x 650mm (17.2" x 1.7" x 25.6")</p> <p>Package: 597 x 216 x 856mm (23.5" x 8.5" x 33.7")</p>
<b>Processor</b>	<p>Single Socket E (LGA-4677)</p> <p>5th Gen Intel® Xeon® / 4th Gen Intel® Xeon® Scalable processors</p> <p>Up to 52C/104T; Up to 300MB Cache</p>
<b>GPU</b>	<p>Max GPU Count: Up to 1 double-width or 2 single-width GPUs</p> <p>Supported GPU: NVIDIA PCIe: L4, A2, A10</p> <p>CPU-GPU Interconnect: PCIe 5.0 x16 CPU-to-GPU Interconnect</p>
<b>System Memory</b>	<p>Slot Count: 8 DIMM slots/8 Channels</p> <p>Max Memory (1DPC): Up to 2TB 5600MT/s ECC DDR5 RDIMM</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)</p> <p>M.2: 1 M.2 PCIe 3.0 x2 NVMe slot (M-key 2280/22110)</p> <p>Peripheral Bays: 2 2.5" peripheral bays (optional)</p>
<b>Expansion Slots</b>	<p>Default</p> <ul style="list-style-type: none"> <li>• 2 PCIe 5.0 x16 FHFL slots</li> <li>• 1 PCIe 5.0 x8 (in x16) LP slot</li> </ul>
<b>On-Board Devices</b>	<p>SATA: SATA (6Gbps) ; RAID 0/1/5/10 support</p> <p>Chipset: Intel® C741</p> <p>Network Connectivity: 2 RJ45 1GbE with Intel® I210</p>
<b>Input / Output</b>	<p>LAN: 2 RJ45 1 GbE LAN ports</p> <p>1 RJ45 1 GbE Dedicated BMC LAN port (IPMI shared on LAN port 1)</p> <p>USB: 2 USB 3.2 Gen1 Type-A ports(rear)</p> <p>2 USB 2.0 Type-A ports(rear)</p> <p>1 USB 2.0 Type-A port(Header)</p> <p>2 USB 3.2 Gen1 ports(Header)</p> <p>Video: 1 VGA port</p> <p>Serial: 1 COM port(Rear)</p> <p>1 COM port(Header)</p> <p>TPM: 1 TPM header</p>



Drive Bay	Description
1 - 3	3.5" Hot-swap SAS/SATA Drive Bays
4 - 5	2.5" 7mm SAS/SATA Drive Bays** (optional)

\*SAS3 support requires additional parts from the optional parts list  
 \*\* Drive bay 4 or 5 requires additional parts from the optional parts list



Slot	Description
1	PCIe 5.0 x16 FHFL
2	PCIe 5.0 x16 FHFL
3	PCIe 5.0 x8 (m x16) LP

System Cooling	Fans: 5 middle cooling PWM 40x40x56mm Fan(s) 1 AOC cooling Fan(s) (optional)
Power Supply	2x 860W Redundant (1 + 1) Titanium Level (96%) power supplies
System BIOS	BIOS Type: AMI 32MB SPI Flash EEPROM
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	CPU: Monitors for CPU Cores, Chipset Voltages, Memory 8 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	Weight: Gross Weight: 34.5 lbs (15.46 kg) Net Weight: 21.5 lbs (9.75 kg) Available Color: Black
Operating Environment	Operating Temperature: 10°C ~ 35°C (50°F ~ 95°F) Non-operating Temperature: -30°C to 60°C (-22°F to 140°F) Operating Relative Humidity: 8% to 80% (non-condensing) Non-operating Relative Humidity: 8% to 90% (non-condensing)
Motherboard	<a href="#">Super X13SEW-F</a>
Chassis	<b>CSE-815BTS-R000WNP</b>