

# 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

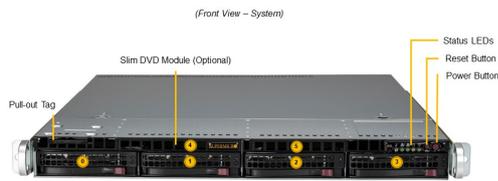
Virtualization, Cloud Computing, Data Center Optimized, Entry GPU server, Value IaaS,

## 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;

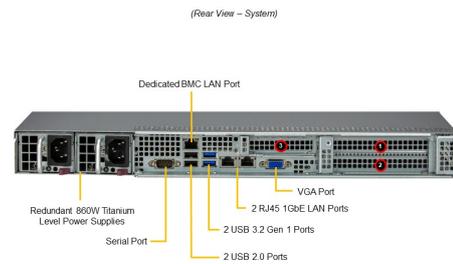


|                                 |   |
|---------------------------------|---|
| <b>Form Factor</b>              | 1U<br>Enclosure: 437 x 43 x 650mm (17.2" x 1.7" x 25.6")<br>Package: 597 x 216 x 856mm (23.5" x 8.5" x 33.7")   |
| <b>Processor</b>                | Single Socket E (LGA-4677)<br>5th Gen Intel® Xeon®/4th Gen Intel® Xeon® Scalable processors<br>Up to 52C/104T; Up to 300MB Cache  |
| <b>GPU</b>                      | Max GPU Count: Up to 1 double-width or 2 single-width GPUs<br>Supported GPU: NVIDIA PCIe: A10, A1000, A2, L4, RTX 4000 Ada Generation, RTX A4000, T400<br>CPU-GPU Interconnect: PCIe 5.0 x16 CPU-to-GPU Interconnect  |
| <b>System Memory</b>            | Slot Count: 8 DIMM slots/8 Channels<br>Max Memory (1DPC): Up to 2TB 5600MT/s ECC DDR5 RDIMM   |
| <b>Drive Bays Configuration</b> | Default: Total 4 bays<br>• 4 front hot-swap 3.5" SAS*/SATA drive bays<br>(*SAS support may require additional storage controller and/or cables)<br>M.2: 1 M.2 PCIe 3.0 x2 NVMe slot (M-key 2280/22110)<br>Peripheral Bays: 2 2.5" peripheral bays (optional)  |
| <b>Expansion Slots</b>          | Default<br>• 2 PCIe 5.0 x16 FHFL slots<br>• 1 PCIe 5.0 x8 (in x16) LP slot  |
| <b>On-Board Devices</b>         | SATA: SATA (6Gbps) ; RAID 0/1/5/10 support<br>Network Connectivity: 2 RJ45 1GbE with Intel® I210  |
| <b>Input / Output</b>           | LAN: 2 RJ45 1 GbE LAN ports<br>1 RJ45 1 GbE Dedicated BMC LAN port (IPMI shared on LAN port 1)<br>USB: 2 USB 3.2 Gen1 Type-A ports(rear)<br>2 USB 2.0 Type-A ports(rear)<br>2 USB 3.2 Gen1 ports(Header)<br>1 USB 2.0 Type-A port(Header)<br>Video: 1 VGA port<br>Serial: 1 COM port(header)<br>1 COM port(rear)<br>TPM: 1 TPM header |



| 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: Up to 5 middle cooling PWM 40x40x56mm Fan(s)<br>Up to 1 AOC cooling Fan(s) (optional)<br>Air Shroud: 1 Air Shroud   |
| 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: 8 Phase-switching voltage regulator<br>Monitors for CPU Cores, Chipset Voltages, Memory<br>FAN: Fans with tachometer monitoring<br>Pulse Width Modulated (PWM) fan connectors<br>Status monitor for speed control<br>Temperature: Monitoring for CPU and chassis environment<br>Thermal Control for fan connectors |
| Dimensions and Weight | Weight: Gross Weight: 34.5 lbs (15.46 kg)<br>Net Weight: 21.5 lbs (9.75 kg)<br>Available Color: Black   |
| Operating Environment | Operating Temperature: 10°C to 35°C (50°F to 95°F)<br>Non-operating Temperature: -30°C to 60°C (-22°F to 140°F)<br>Operating Relative Humidity: 8% to 80% (non-condensing)<br>Non-operating Relative Humidity: 8% to 90% (non-condensing)   |
| Motherboard           | <a href="#">Super X13SEW-F</a>  |
| Chassis               | <a href="#">CSE-815BTS-R000WNP</a>  |