

# UP SuperServer SYS-511R-M

1U Mainstream server with 4 hot-swap 3.5" SAS/SATA bays, 2 PCIe 5.0 slots and internal SAS slot



More details here

## Key Applications

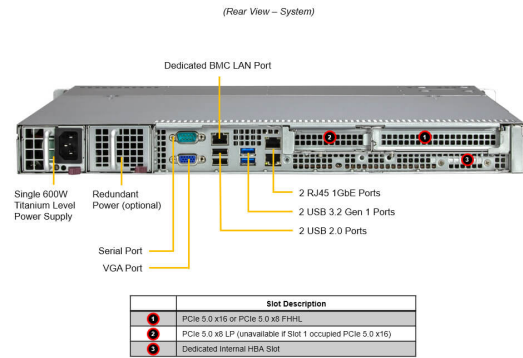
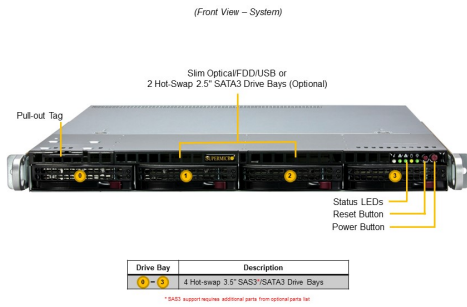
Web/Hosting Application, Email/Firewall/Print Server, General Purpose,

## Key Features

- Single Socket V0 (LGA-1700) supports Intel® Xeon® 6300-series / E-2400 series, Intel® Pentium® processors;
- 4 DIMMs; Up to 128GB of DDR5 ECC UDIMM memory with speeds of up to 4400MHz;
- 1 PCIe 5.0 x16 or 2 PCIe 5.0 x8 (FHHL & LP); 1 Dedicated Internal HBA slot;
- Intel® Ethernet Controller i210 2x 1GbE RJ45;
- Default single Titanium 600W Power Supply; Optional redundant power by adding 1x Power Supply Module;



<b>Form Factor</b>	<p>1U Rackmount</p> <p>Enclosure: 437 x 43 x 507mm (17.2" x 1.7" x 19.98")</p> <p>Package: 609.6 x 215.9 x 749.3mm (24" x 8.5" x 29.5")</p>
<b>Processor</b>	<p>Single V0 (LGA-1700)</p> <p>Intel® Xeon® 6300-series/E-2400/Pentium® G7400/G7400T processors</p> <p>Up to 8C/16T; Up to 24MB Cache</p>
<b>System Memory</b>	<p>Slot Count: 4 DIMM slots/2 Channels</p> <p>Max Memory (2DPC): Up to 128GB 4400MT/s ECC DDR5 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)</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 (optional)</p>
<b>Expansion Slots</b>	<p>Default</p> <ul style="list-style-type: none"> <li>• 1 PCIe 5.0 x8 FHHL slot</li> <li>• 1 PCIe 5.0 x8 LP slot</li> </ul> <p>Option A</p> <ul style="list-style-type: none"> <li>• 1 PCIe 5.0 x16 FHHL slot</li> </ul>
<b>On-Board Devices</b>	<p>SATA: SATA (6Gbps) ; RAID 0/1/5/10 support</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: 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 Gen1 Type-A port(Header)</p> <p>Video: 1 VGA port</p> <p>Serial: 1 COM port(header)</p> <p>1 COM port(rear)</p> <p>TPM: 1 TPM header</p>



System Cooling	Fans: Up to 2 AOC cooling Fan(s) (optional) Up to 4 middle cooling PWM 40x40x28mm Fan(s) Air Shroud: 1 Air Shroud
Power Supply	1x 600W Redundant Titanium Level (96%) power supply
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: 6 + 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: 30.4 lbs (13.8 kg) Net Weight: 17.6 lbs (8 kg) Available Color: Black
Operating Environment	Operating Temperature: 10°C to 35°C (50°F to 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="#"><u>Super X13SCH-SYS</u></a>
Chassis	<b>CSE-813MF2TS-R0RCNBP</b>