

UP SuperServer SYS-511R-ML

1U short-depth server with up to 3 internal 2.5" SATA bays and 1 PCIe 5.0 x16 slot



More details here

Key Applications

General Purpose, Entry Appliance, Front-end, Web Hosting,

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 (FHHL);
- Intel® Ethernet Controller i210 2x 1GbE RJ45;
- Single Platinum 350W Power Supply;

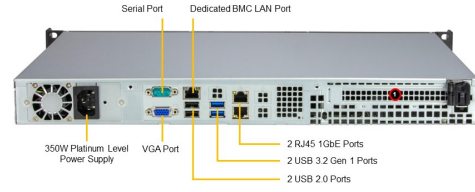


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|---------------------------------|---|
| Form Factor | <p>Mini-1U</p> <p>Enclosure: 437 x 43 x 368mm (17.2" x 1.7" x 14.5")</p> <p>Package: 559 x 160 x 508mm (22" x 6.3" x 20")</p> |
| Processor | <p>Single V0 (LGA-1700)</p> <p>Intel® Xeon® 6300-series/E-2400/Pentium® G7400/G7400T processors</p> <p>Up to 12C/24T; Up to 36MB Cache</p> |
| System Memory | <p>Slot Count: 4 DIMM slots/2 Channels</p> <p>Max Memory (1DPC): Up to 64GB 4400MT/s ECC DDR5 UDIMM</p> <p>Max Memory (2DPC): Up to 128GB 4000MT/s ECC DDR5 UDIMM</p> |
| Drive Bays Configuration | <p>Default: Total 1 bay</p> <ul style="list-style-type: none"> • 1 internal fixed 3.5" SATA drive bay <p>Option A: Total 2 bays</p> <ul style="list-style-type: none"> • 2 internal fixed 3.5" SATA* drive bays <p>Option B: Total 3 bays</p> <ul style="list-style-type: none"> • 3 internal fixed 2.5" SATA* drive bays <p>(*SATA 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> |
| Expansion Slots | <p>Default</p> <ul style="list-style-type: none"> • 1 PCIe 5.0 x16 FHHL slot |
| On-Board Devices | <p>SATA: SATA (6Gbps) ; RAID 0/1/5/10 support</p> <p>Chipset: Intel® C266</p> <p>Network Connectivity: 2 RJ45 1GbE with Intel® I210</p> |
| Input / Output | <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 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> |

(Front View – System)



(Rear View – System)



| Slot Description | |
|------------------|-------------------|
| | PCIe 5.0 x16 FHFL |

| | |
|-----------------------|---|
| System Cooling | Fans: Up to 2 counter-rotation PWM 40x40x56mm Fan(s) Air Shroud: 1 Air Shroud |
| Power Supply | 1x 350W Platinum Level (93%) power supply |
| 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 + 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: 14 lbs (6.35 kg) Net Weight: 11 lbs (4.99 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 | <u>Super X13SCH-SYS</u> |
| Chassis | <u>CSE-512F-350B1</u> |