

# 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;



### Form Factor

Mini-1U  
 Enclosure: 437 x 43 x 368mm (17.2" x 1.7" x 14.5")  
 Package: 559 x 160 x 508mm (22" x 6.3" x 20")

### Processor

Single V0 (LGA-1700)  
 Intel® Xeon® 6300-series/E-2400/Pentium® G7400/G7400T processors  
 Up to 8C/16T; Up to 24MB Cache

### System Memory

Slot Count: 4 DIMM slots/2 Channels  
 Max Memory (2DPC): Up to 128GB 4400MT/s ECC DDR5 UDIMM

### Drive Bays Configuration

Default: Total 1 bay

- 1 internal fixed 3.5" SATA drive bay

Option A: Total 2 bays

- 2 internal fixed 3.5" SATA\* drive bays

Option B: Total 3 bays

- 3 internal fixed 2.5" SATA\* drive bays

(\*SATA support may require additional storage controller and/or cables, please see the optional parts list for details)

M.2: 2 M.2 PCIe 4.0 x4 NVMe slots (M-key 2280/22110)

### Expansion Slots

Default

- 1 PCIe 5.0 x16 FHHL slot

### On-Board Devices

SATA: SATA (6Gbps) ; RAID 0/1/5/10 support  
 Chipset: Intel® C266  
 Network Connectivity: 2 RJ45 1GbE with Intel® I210

### Input / Output

LAN: 2 RJ45 1 GbE LAN ports  
 1 RJ45 1 GbE Dedicated BMC LAN port (IPMI shared on LAN port 1)

USB: 2 USB 2.0 ports(header)  
 2 USB 3.2 Gen1 Type-A ports(rear)  
 2 USB 2.0 Type-A ports(rear)  
 2 USB 3.2 Gen1 ports(Header)  
 1 USB 3.2 Gen1 Type-A port(Header)

Video: 1 VGA port

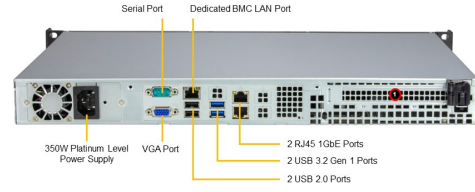
Serial: 1 COM port(Rear)  
 1 COM port(Header)

TPM: 1 TPM header

(Front View – System)



(Rear View – System)



Slot Description	
	PCIe 5.0 x16 FHFL

System Cooling	Fans: 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®; 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 6 + 1 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: 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	<a href="#"><u>Super X13SCH-SYS</u></a>
Chassis	<a href="#"><u>CSE-512F-350B1</u></a>