

# 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® 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 Rackmount  
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 processor(s)  
Intel® Xeon® E-2400 series Processors and 12th Gen. Pentium® 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(s)  

- 1 internal fixed 3.5" SATA drive bay(s)

 Option A: Total 2 bay(s)  

- 2 internal fixed 3.5" SATA\* drive bay(s)

 Option B: Total 3 bay(s)  

- 3 internal fixed 2.5" SATA\* drive bay(s)

 (\*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 slot(s) (M-key 2280/22110)

### Expansion Slots

Default  

- 1 PCIe 5.0 x16 FHHL slot(s)

### On-Board Devices

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

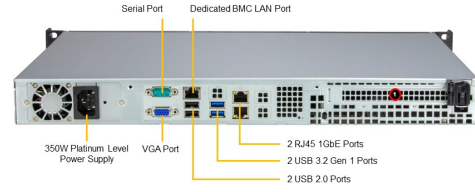
### Input / Output

LAN: 2 RJ45 1 GbE LAN port(s)  
       1 RJ45 1 GbE Dedicated BMC LAN port(s) (IPMI shared on LAN port 1)  
 USB: 2 USB 2.0 port(s) (header)  
       2 USB 3.2 Gen1 Type-A port(s) (rear)  
       2 USB 2.0 Type-A port(s) (rear)  
       2 USB 3.2 Gen1 port(s) (Header)  
       1 USB 3.2 Gen1 Type-A port(s) (Header)  
 Video: 1 VGA port(s)  
 Serial: 1 COM port(s) (Rear)  
       1 COM port(s) (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)
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 ~ 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="#"><b>Super X13SCH-SYS</b></a>
Chassis	<a href="#"><b>CSE-512F-350B1</b></a>