

UP SuperServer SYS-511R-ML



[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;
- 1 Fixed 3.5" drive support (default); Up to 2 Fixed 3.5" drives or 3 Fixed 2.5" drives (opt.); Onboard 2x PCIe 4.0 x4 M.2;
- Single Platinum 350W Power Supply;

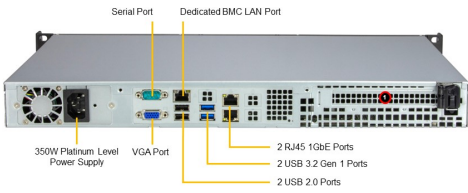


Form Factor	Mini-1U Rackmount Enclosure: 437 x 43 x 368mm (17.2" x 1.7" x 14.5") Package: 559 x 160 x 508mm (22" x 6.3" x 20")
Processor	Single Socket Intel® Xeon® E-2400 series Processors and 12th Gen. Pentium® Processors Up to 8C/16T; Up to 16MB Cache
System Memory	Slot Count: 4 DIMM slots/2 Channels Max Memory (2DPC): Up to 128GB 4400MT/s ECC DDR5 UDIMM
Drive Bays	2x 3.5" SATA drive bays 2x PCIe 4.0 x 4 M-key, 2280, 22110
Expansion Slots	1 PCIe 5.0 x16 FHHL slot(s)
On-Board Devices	SATA: SATA3 (6Gbps); RAID 0/1/5/10 support Chipset: Intel® C266 Network Connectivity: 2x 1GbE BaseT with Intel® i210 IPMI: Support for Intelligent Platform Management Interface v.2.0 IPMI 2.0 with virtual media over LAN and KVM-over-LAN support
Input / Output	SATA: 8 SATA (6Gbps) port(s) LAN: 2 RJ45 1GbE LAN ports 1 RJ45 Dedicated IPMI LAN port USB: 6 USB 2.0 port(s) (2 rear; 4 headers) 5 USB 3.2 Gen 1 port(s) (2 rear; 2 headers; 1 Type A) Video: 1 VGA port(s) Serial Port: 2 COM Port(s) (1 header; 1 rear)

(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	350W Platinum Level power supply
System BIOS	BIOS Type: AMI 32MB SPI Flash EEPROM
Management	Redfish API; Supermicro Server Manager (SSM); Supermicro Update Manager (SUM); SuperDoctor® 5; Super Diagnostics Offline ; KVM with dedicated LAN ; IPMI 2.0
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	Height: 1.7" (43 mm) Width: 17.2" (437 mm) Depth: 14.5" (368 mm) Gross Weight: 14 lbs (6.35 kg) Net Weight: 11 lbs (4.99 kg) Packaging: 6.3" (H) x 22" (W) x 20" (D) 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	Super X13SCH-SYS
Chassis	CSE-512F-350B1