

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;

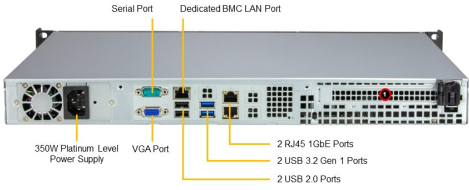


Form Factor	Mini-1U Enclosure: 437 x 43 x 368mm (17.2" x 1.7" x 14.5") Package: 559 x 160 x 508mm (22" x 6.3" x 20")
Processor	Single V0 (LGA-1700) Intel® Xeon® 6300-series/E-2400/Pentium® G7400/G7400T processors Up to 12C/24T; Up to 36MB Cache
System Memory	Slot Count: 4 DIMM slots/2 Channels Max Memory (1DPC): Up to 64GB 4400MT/s ECC DDR5 UDIMM Max Memory (2DPC): Up to 128GB 4000MT/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(header) 1 COM port(rear) TPM: 1 TPM header

(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	Super X13SCH-SYS
Chassis	CSE-512F-350B1