

UP SuperServer SYS-510T-MR

1U UP mainstream with 4 hot-swap 3.5" drive bays and redundant power supplies



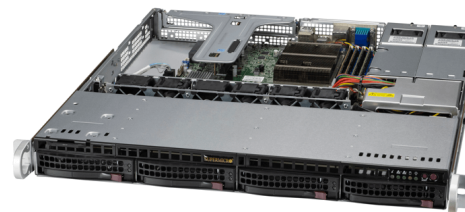
[More details here](#)

Key Applications

Virtualization, Small Business, Encoding Decoding,

Key Features

- Single Socket H5 (LGA-1200) supports Intel® Xeon® E-2300 series, Intel® Pentium® processors;
- 4 DIMMs; Up to 128GB of DDR4 ECC UDIMM memory with speeds of up to 3200MHz;
- 1 PCIe 4.0 x16 or 2 PCIe 4.0 x8 (FHHL); 1 Dedicated Internal HBA slot;
- Intel® Ethernet Controller i210 2x 1GbE RJ45;
- Redundant Platinum 400W Power Supply;



Form Factor

1U Rackmount
Enclosure: 437 x 43 x 507mm (17.2" x 1.7" x 19.98")
Package: 609.6 x 215.9 x 749.3mm (24" x 8.5" x 29.5")

Processor

Single Socket H5 (LGA-1200)
Intel® Xeon® E-2300 series Processors and 10th Gen. Pentium® Processors
Up to 8C/16T; Up to 16MB Cache

GPU

Max GPU Count: Up to 1 single-width GPU
Supported GPU: NVIDIA PCIe: T1000, T400
CPU-GPU Interconnect: PCIe 4.0 x16 CPU-to-GPU Interconnect

System Memory

Slot Count: 4 DIMM slots
Max Memory (2DPC): Up to 128GB 3200MT/s ECC DDR4 UDIMM

Drive Bays Configuration

Default: Total 4 bays
• 4 front hot-swap 3.5" SATA drive bays
M.2: 1 M.2 NVMe slot (M-key 2280/22110)
Peripheral Bays: 2 2.5" bays

Expansion Slots

Default
• 1 PCIe 4.0 x8 FHHL slot
• 1 PCIe 4.0 x8 LP slot
Option A
• 1 PCIe 4.0 x16 FHHL slot

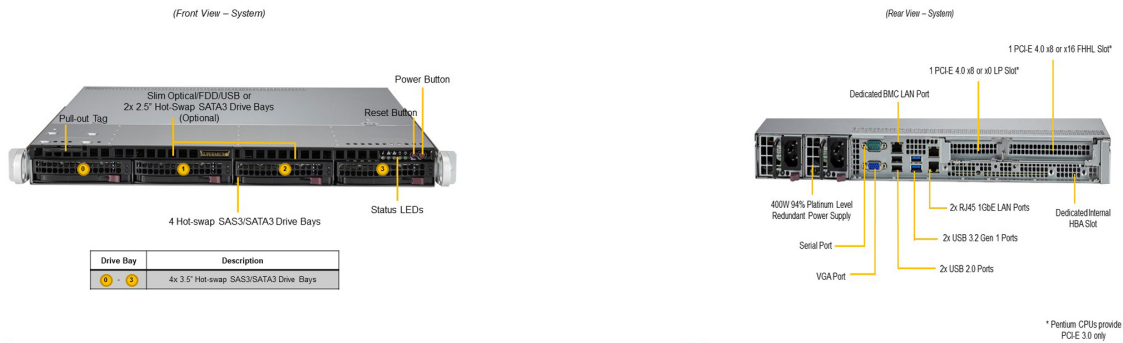
On-Board Devices

SATA: SATA (6Gbps) ; RAID 0/1/5/10 support
Network Connectivity: 2 RJ45 1GbE with Intel® I210
BMC: ASPEED AST2600 BMC

Input / Output

LAN: 2 RJ45 1 GbE LAN ports
1 RJ45 1 GbE Dedicated BMC LAN port (IPMI shared on LAN port 1)
USB: 4 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)
DOM: 2 Super [DOM](#) (Disk on Module) portswith built-in power
TPM: 1 TPM header



System Cooling	Fans: Up to 4 middle cooling PWM 40x40x28mm Fan(s) Up to 2 AOC cooling Fan(s) (optional) Air Shroud: 1 Air Shroud
Power Supply	2x 400W Redundant (1 + 1) Platinum Level (94%) power supplies
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 + 2 + 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: 30.4 lbs (13.8 kg) Net Weight: 17.6 lbs (8 kg) Available Color: Black
Operating Environment	Operating Temperature: 10°C to 35°C (50°F to 95°F) Non-operating Temperature: -40°C to 70°C (-40°F to 158°F) Operating Relative Humidity: 8% to 90% (non-condensing) Non-operating Relative Humidity: 5% to 95% (non-condensing)
Motherboard	Super X12STH-SYS
Chassis	CSE-813MF2TS-R407RCBP