

UP Workstation SYS-521R-T

UP compact mini tower with 4 hot-swap 3.5" SATA drive bays and PCIe 5.0



Key Applications

Entry-Level Micro-Server, Designed for Small and Medium-sized Businesses Applications,

Key Features

- PCIe 5.0 x 16 slot;
- Dual LAN ports, 1 GbE and dedicated IPMI;
- 12cm PWM quiet exhaust fan and optional 12cm front intake fan;
- 350W 80PLUS Gold Power Supply;
- Up to 2 U.2 NVMe drives support (2024H2 version only);



Form Factor	Compact Mini-Tower Enclosure: 210.06 x 240.03 x 279.4mm (8.27" x 9.45" x 11") Package: 315 x 350 x 410mm (12.4" x 13.78" x 16.14")
Processor	Single processor(s) Intel® Xeon® E-2400 series Processors and 12th Gen. Pentium® Processors Up to 8C/16T
System Memory	Slot Count: 2 DIMM slots Max Memory (1DPC): Up to 64GB 4800MT/s ECC DDR5 UDIMM
Drive Bays Configuration	Default: Total 4 bays • 4 front hot-swap 3.5" PCIe 4.0 x4 NVMe*/SAS*/SATA drive bays (*NVMe/SAS support may require additional storage controller and/or cables) M.2: 1 M.2 PCIe 4.0 x4 NVMe slot (M-key 2280) Peripheral Bays: 1 bay
Expansion Slots	Default • 1 PCIe 5.0 x16 HHHL slot
On-Board Devices	SATA: SATA (6Gbps) Chipset: Intel® C262 Network Connectivity: 1 RJ45 1GbE with Realtek RTL8211F PHY (dedicated IPMI) 2 RJ45 1GbE with Intel® I210
Input / Output	USB: 2 USB 3.2 Gen1 Type-A ports(rear) 2 USB 2.0 Type-A ports(rear) 2 USB 3.2 Gen1 Type-A ports(front) Video: 1 VGA port



System Cooling	Fans: 1x 120mm Fan(s)
Power Supply	1x 350W Gold Level (92%) power supply
System BIOS	BIOS Type: AMI 256MB SPI Flash
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	Voltage: +1.8V, +12V, +3.3V, +5V, +5V standby, 10 -fan status, 3.3V standby, HT, Memory, VBAT
Dimensions and Weight	Weight: Gross Weight: 15 lbs (6.8 kg) Net Weight: 13.5 lbs (6.12 kg) Available Color: Black
Operating Environment	Operating Temperature: 10°C to 35°C (50°F to 95°F) Non-operating Temperature: -40°C to 60°C (-40°F to 140°F) Operating Relative Humidity: 8% to 90% (non-condensing) Non-operating Relative Humidity: 5% to 95% (non-condensing)
Motherboard	Super X13SCL-IF
Chassis	CSE-721TQ-350B2

Parts List

Standard Parts (Parts Included)

Motherboard / Chassis

Part Number	MBD-X13SCL-IF	CSE-721TQ-350B2
Qty	1	1
Description	Super X13SCL-IF Motherboard	Compact Mini-Tower Chassis

Backplane

Part Number	BPN-NVME5-733N-S4
Qty	1
Description	4-port backplane support up to 4x3.5" SATA3/SAS4/NVME5 S

Cable

Part Number	CBL-SAST-1269F-100
Qty	1
Description	Slimline x4 (RA) to Slimline x4 (STR),70CM,100 OHM,RoHS

Parts

Part Number	MCP-260-00042-0N
Qty	1
Description	STD I/O shield for X9 socket R server MB with Gasket.

Software

Part Number	SFT-OOB-LIC
Qty	1
Description	License key for enabling OOB BIOS management

*Power Supply

Part Number	PWS-353-1H
Qty	1
Description	1U Flex ATX 350W Multi-output Gold power supply

*Fan

Part Number	FAN-0124L4
Qty	1
Description	12 CM x12 CM fan

*Drive Tray(s)

Part Number	MCP-220-00075-0B
Qty	4
Description	Black gen 5.5 hot-swap 3.5" HDD tray

Notes:

- 1. Parts with * are inside the chassis
- 2. Excessive parts might not be shipped, including but not limited to excessive drive trays, fans, riser brackets, air shrouds, IO shields, cables.....etc.

Optional Parts List

Heatsink

Part Number	SNK-P0092AP4
Qty	1
Description	2U Active High-Performance CPU Heat Sink

Tray

Part Number	MCP-220-00118-0B• Store (https://store.supernmicro.com/mcp-220-00118-0b.html).
Qty	1
Description	Black gen-5.5 tool-less 3.5-to-2.5 converter drive tray

Certain products may not be available in your region