IoT SuperServer SYS-521AD-TN2

Compact Mini-tower with 12th/13th Gen Intel Core i9/i7/i5/i3/Pentium/Celeron processor

More details here

Key Applications

Surveillance Security Server, Compact Storage Appliance, ⊠Video processing & streaming, ⊠Small Medium Business Edge Server,

Key Features

- 13th/12th Generation Intel® Core™ i9/i7/i5/i3/Pentium/Celeron Processor (LGA-1700);
- Intel® Q670E;
- 2x DDR4-3200MHz SO-DIMM max 64GB;
- Support 1x PCIe 5.0 x16 Slot;
- AMT vPro Supported;
- 4x Hot-swap 3.5", 1x 2.5" drive bays or 1x Slim DVD-ROM (optional);
- 350W Flex ATX Multi-output Gold Power Supply;
- TPM chip onboard with jumper disable
  Support M.2 M/E-Key;
- Intel® UHD Graphics,2x DisplayPort, 1x HDMI 2.0 Ports, 1x HDMI 1.4 Ports
  HD Audio(Mic In/Line Out)
  4x USB3.2 (rear) 2x USB 3.0 (front)
  1x GbE, 1x 2.5G LAN ports;



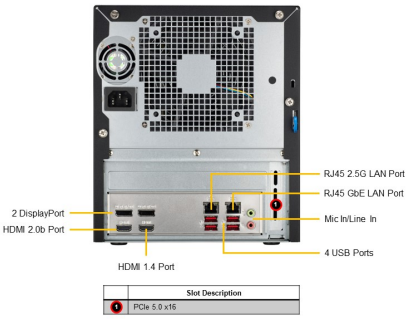
Form Factor	Compact Mini-Tower Rackmount Enclosure: 210.06 x 240.03 x 279.4mm (8.27" x 9.45" x 11") Package: 315 x 350 x 410mm (12.4" x 13.78" x 16.14")
Processor	Single processor(s) 13th/12th Gen Intel® Core i9/Core i7/Core i5/Core i3/Pentium/Celeron processor Up to 16C/32T; Up to 30MB Cache
System Memory	Slot Count: 2 DIMM slots Max Memory (2DPC): Up to 64GB 3200MT/s non-ECC DDR4 SO-DIMM
Drive Bays Configuration	Default: Total 4 bay(s) • 4 front hot-swap 3.5" SATA drive bay(s) M.2: 1 M.2 PCIe 4.0 x4 NVMe slot(s) (M-key 2280)
Expansion Slots	PCI-Express (PCIe) Configuration: Default • 1 PCIe 5.0 x16 LP slot(s) M.2: 1 M.2 NVMe slot(s) (E-key 2230)
On-Board Devices	SATA: SATA (6Gbps) Chipset: Intel® Q670E Network Connectivity: 1 RJ45 1GbE with Intel® I210-AT 1 RJ45 2.5GbE with Intel® I225-LM
Input / Output	LAN: 1 RJ45 2.5 GbE LAN port(s) (Intel® I225-LM) 1 RJ45 1 GbE LAN port(s) (Intel® I210-AT) USB: 2 port(s) (front) 4 port(s) (rear) Video: 1 HDMI 2.0b port(s) 1 HDMI 1.4 port(s) 2 port(s)

©2024 Copyright Super Micro Computer, Inc. All rights reserved. *Product specifications may change without notice

(Front View – System)



(Rear View – System)



Slot	Description
	PCIe 5.0 x16

System Cooling	Fans: 1x 4-PIN PWM 12cm Fan(s)
Power Supply	1x 350W Gold Level (92%) power supply
System BIOS	BIOS Type: AMI 256MB SPI Flash BIOS Features: ACPI 6.1 SMBIOS 3.0 or later PCI FW 3.0 UEFI 2.7 RTC (Real Time Clock) Wakeup
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 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 4x 4-pin fan connectors Platform Environmental Control Interface (PECI)
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: 0°C ~ 35°C (32°F ~ 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 X13SAV-LVDS**
Chassis	**CSE-721TQ-350B2**

©2024 Copyright Super Micro Computer, Inc. All rights reserved. *Product specifications may change without notice