

IoT SuperServer SYS-521AD-LN2

Mini Tower Embedded System with 14th/13th/12th Gen Intel® Core™ CPUs up to 65W TDP



More details here

Key Applications

Office environment, Healthcare, Retail, AI Inference, Medical/Education Signage,

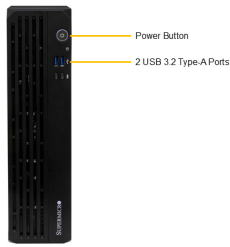
Key Features

- Intel® Core Processors Series 2 & 14th/13th/12th Gen Core i Processor, Single Socket LGA-1700 supported, CPU TDP supports Up to 65W TDP;
- Up to 2 DIMMs supporting up to 64GB DDR5-5600;
- Support 1x 3.5" and 1x 2.5" drive bays
Support M.2 M/E-Key;
- 1 RJ45 1GbE + 1 RJ45 2.5GbE;
- Up to 1 PCIe 5.0 x16 HHHL double-width slot;
- AMT vPRO Supported;
- 300W 80 Plus Gold Level Power Supply;

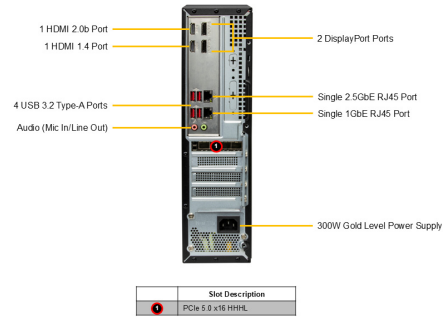


Form Factor	Compact Mini-Tower Enclosure: 92 x 341 x 290mm (3.62" x 13.43" x 11.42") Package: 186 x 456 x 383mm (7.32" x 17.95" x 15.08")
Processor	Single LGA-1700 14th/13th/12th Gen Intel® Core™ i9/i7/i5/i3 Processors Up to 24C/32T; Up to 36MB Cache
GPU	Max GPU Count: 1 double-width or 1 single-width GPU Supported GPU: NVIDIA PCIe: NVIDIA RTX PRO 2000 Blackwell Intel: Arc™ Pro B50 Graphics
System Memory	Slot Count: 2 DIMM slots Max Memory (2DPC): Up to 64GB 5600MT/s non-ECC DDR5 SO-DIMM
Drive Bays Configuration	Default: Total 2 bays <ul style="list-style-type: none"> • 1 internal fixed 2.5" SATA drive bay • 1 internal fixed 3.5" SATA drive bay M.2: 1 M.2 PCIe 4.0 x4 NVMe slot (M-key 2280)
Expansion Slots	PCI-Express (PCIe) Configuration: Default <ul style="list-style-type: none"> • 1 PCIe 5.0 x16 (in x16) HHHL double-width slot M.2: 1 M.2 PCIe 3.0 x1 slot (E-key 2230)
On-Board Devices	Chipset: Intel® Q670E Network Connectivity: 1 RJ45 1GbE with Intel® I210-AT 1 RJ45 2.5GbE with Intel® I226
Input / Output	LAN: 1 RJ45 1 GbE LAN port (Intel® I210-AT) 1 RJ45 2.5 GbE LAN port (Intel® I226-LM) USB: 2 USB 3.2 Gen1 Type-A ports(front) 4 USB 3.2 Gen2 Type-A ports(Rear) Video: 1 HDMI 2.0b port(Rear) 1 HDMI 1.4 port(Rear) 2 DisplayPort ports(Rear) Audio: Line Out Mic in

(Front View – System)



(Rear View – System)



System Cooling	Fans: Up to 1 Active CPU Heat Sink Fan(s) Up to 1 System FAN 40x28mm Fan(s)
Power Supply	1x 300W Gold Level (90%) power supply
System BIOS	BIOS Type: AMI 32MB SPI Flash BIOS Features: ACPI 6.0 Plug and Play (PnP) RTC (Real Time Clock) Wakeup SPI dual/quad speed support
Management	Supermicro SuperDoctor® 5 (SD5); Super Diagnostics Offline (SDO); SuperServer Automation Assistant (SAA) New!
Dimensions and Weight	Weight: Gross Weight: 13.9 lbs (6.3 kg) Net Weight: 12.8 lbs (5.8 kg) Available Color: Black
Operating Environment	Operating Temperature: 5°C to 35°C (41°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 X13SAV-D5LVDS
Chassis	CSE-GS2B-000NBP2