IoT SuperServer SYS-E300-13AD

Mini-1U Embedded System with 13th/12th Generation Intel® Core™, up to 16 cores

More details here

Key Applications

Healthcare, Surveillance Security Server, AI Inference, Digital Signage / PoS,



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 M.2 M/E-Key
  Support 1x PCIe 5.0 x16 Slot (Optional);
- AMT vPro Supported;
- Support up to 2x 2.5" drive bays (Optional);
- Quad Independent Display by 2x HDMI and 2x DP;

Form Factor	Fan-based Embedded Enclosure: 264.8 x 43 x 225.8mm (10.43" x 1.69" x 8.89") Package: 381 x 276 x 142mm (15" x 10.87" x 5.59")
Processor	Single LGA-1700 13th/12th Gen Intel® Core i9/Core i7/Core i5/Core i3/Pentium/Celeron processor Up to 16C/32T; Up to 30MB Cache
GPU	Max GPU Count: 1 single-width GPU Supported GPU: NVIDIA PCIe: A1000, L4 NVIDIA: RTX A400
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 1 bay • 1 internal fixed 2.5" SATA* drive bay (*SATA support may require additional storage controller and/or cables, please see the optional parts list for details) M.2: 1 M.2 PCIe 4.0 x4 NVMe slot (M-key 2280)
Expansion Slots	PCI-Express (PCIe) Configuration: Default* • 1 PCIe 5.0 x16 (in x16) LP slot (*Requires additional parts, please see the optional parts list for details. For more details on PCIe slot configuration options, please refer to the system callout images above.) 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® I225-LM
Input / Output	LAN: 1 RJ45 2.5 GbE LAN port (Intel® I225-LM) 1 RJ45 1 GbE LAN port (Intel® I210-AT) USB: 4 USB 3.2 Gen2 Type-A ports (Rear) Video: 1 HDMI® 2.0b port(s) (Rear) 1 HDMI® 1.4 port(s) (Rear) 2 DisplayPort ports (Rear)

Audio:	Line Out Mic in

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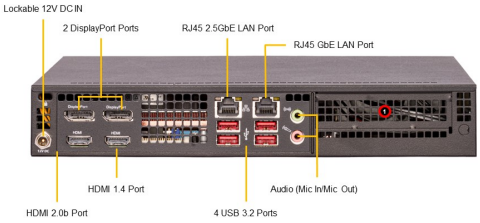
(Front View – System)



(Rear View – System)



	Slot Description
1	PCIe 5.0 x16 LP

System Cooling	Fans: Up to 2x 4-PIN PWM 40x40x28mm Fan(s) Up to 1 CPU heatsink with Φ80x15mm Fan(s)
Power Supply	1x 180W 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	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!
Dimensions and Weight	Weight: Gross Weight: 7.5 lbs (3.4 kg) Net Weight: 3.7 lbs (1.6 kg) Available Color: Black
Operating Environment	Operating Temperature: 0°C to 40°C (32°F to 104°F) with 0.7 m/s airflow 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-E300**

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