

IoT SuperServer SYS-E300-13AD



More details here

Key Applications

Digital Signage, AI Inference and Machine Learning, Surveillance Security Server, Medical Applications,

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

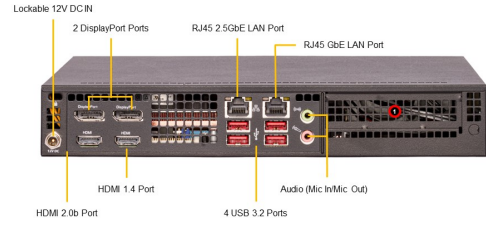


Form Factor	Fan-based Embedded Rackmount Enclosure: 264.8 x 43 x 225.8mm (10.43" x 1.69" x 8.89") Package: 381 x 276 x 142mm (15" x 10.87" x 5.59")
Processor	Single LGA-1700 13th/12th Gen Intel® Core i9/Core i7/Core i5/Core i3/Pentium/Celeron processor Up to 16C/32T; Up to 30MB Cache Supports 35W - 35W TDP CPUs (Air Cooled)
System Memory	Slot Count: 2 DIMM slots Max Memory (2DPC): Up to 64GB 3200MT/s non-ECC DDR4 SO-DIMM
Drive Bays	1x 2.5" SATA drive bays 1x E-Key 2230 (PCIe 3.0 x1 / USB2.0) 1x M-Key 2280 (PCIe 4.0 x4 (NVMe))
Expansion Slots	1 1x PCIe 5.0 x16 Low Profile slot(s) Note: Either support expansion slot or 2nd 2.5" drive. Need to order optional parts for riser card.
On-Board Devices	Chipset: Intel® Q670E Network Connectivity: 1x 1GbE BaseT with Intel® i210-AT 1x 2.5GbE GbE with Intel® I225-LM IPMI: Support for Intelligent Platform Management Interface v.2.0 IPMI 2.0 with virtual media over LAN and KVM-over-LAN support
Input / Output	SATA: 1 SATA (6Gbps) port(s) LAN: 1 RJ45 GbE (Intel® i210-AT) 1 RJ45 2.5 GbE (Intel® i225-LM) USB: 4 USB 3.2 Gen2 port(s) (4 USB) Others: 1x HDMI 2.0 1x HDMI 1.4 2x DisplayPort 1x Line Out 1x Mic In

(Front View – System)



(Rear View – System)



Slot	Slot Description
1	PCIe 5.0 x16 LP

System Cooling	Fans: 2x 4-PIN PWM 40x40x28mm Fan(s)
Power Supply	180W Level power supply
System BIOS	BIOS Type: AMI 512MB UEFI AMI 512MB UEFI AMI 512MB UEFI AMI 512MB UEFI BIOS Features: PCI FW 3.0
Management	Redfish API; Supermicro Server Manager (SSM); Supermicro Update Manager (SUM); SuperDoctor® 5; Super Diagnostics Offline ; KVM with dedicated LAN ; IPMI 2.0
PC Health Monitoring	FAN: 3x 4-pin fan headers System level control PWM fan speed control Fan speed control 3 fans with tachometer status monitoring PWM fan speed control Overheat LED indication Temperature: CPU thermal trip support Peripheral temperature System temperature Memory temperature NVMe temperature Platform Environment Control Interface (PECI)/TSI
Dimensions and Weight	Height: 1.69" (43 mm) Width: 10.43" (264.8 mm) Depth: 8.89" (225.8 mm) Gross Weight: 7.5 lbs (3.4 kg) Net Weight: 3.7 lbs (1.6 kg) Packaging: 10.87" (H) x 15" (W) x 5.59" (D) Palletized Packing (W x H x L): 54.33" (1380 mm) x 78.5" (1993 mm) x 35" (890 mm) Available Color: Black
Operating Environment	Operating Temperature: 0°C ~ 40°C (32°F ~ 104°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-E300

Parts List

Standard Parts (Parts Included)

Motherboard / Chassis

Part Number	MBD-X13SAV-LVDS	CSE-E300
Qty	1	1
Description	Super X13SAV-LVDS Motherboard	Fan-based Embedded Chassis

Cable

Part Number	CBL-0473L	CBL-PWEX-0982
Qty	1	1
Description	7pin SATA (STR to STR), 21cm, PBF	PWR EXT,1X4F/P2.50 TO SATA POWER, 25CM, 22AWG

Fan

Part Number	FAN-0065L4
Qty	2
Description	4028mm 13K RPM 4-PIN PWM FAN for SC813MF, SC113M

Power Supply

Part Number	MCP-250-10133-0N
Qty	1
Description	180W DC power adapter with US power cord 18AWG 6ft

Parts

Part Number	MCP-260-00167-0B
Qty	1
Description	1U E300, 101F I/O Shield for X13SAV-LVDS with EMI Gasket

Manual

Part Number	MNL-2558-QRG
Qty	1
Description	E300-13AD Quick Reference Guide

Heatsink / Retention

Part Number	SNK-P0085A4
Qty	1
Description	1U Active CPU Heat Sink for E300-13C Embedded Server

Optional Parts List

Dual 2.5" drive bay kits

Part Number	CBL-SAST-0886	CBL-SAST-0933 ↗Store (https://store.supermicro.com/supermicro-50cm-oculink-to-4-sata-cable-cbl-sast-0933.html)
Qty	1	1
Description	SATA 15pin x2 to 4pin /P2.5,40CM,22AWG,RoHS	OcuLink v 1.0 to 4x SATA 7-pin,INT, 50CM,32AWG,RoHS

Expansion slot kits

Part Number	RSC-S-6G5
Qty	1
Description	1U LHS Standard Riser card with one PCIe 5.0 X16 slot,,H

Rackmount kits

Part Number	MCP-250-30002-0B ↗Store (https://store.supermicro.com/cse-e300-rackmount-kit.html)
Qty	1
Description	CSE-E300 Rackmount kit with power adapter holder

[Global SKU \(/en/products/SMC_global_skus\)](#)