

Embedded SuperServer SYS-E201-14AR

Mini-ITX Embedded System with Intel® Core™ Ultra processor



Key Applications

Video processing & streaming, Digital Signage / PoS,

Key Features

- Single Intel® Core™ Ultra processor up to 65W with air cooling;
- Up to 2 ECC/Non-ECC SODIMMs supporting up to 96GB with DDR5-6400MT/s;
- 2 RJ45 2.5GbE LAN ports;
- 1 internal fixed 2.5" SATA drive bay;
- Mini-ITX chassis with 7.68" (195mm) depth;



Form Factor	Mini-ITX Enclosure: 195 x 68 x 195mm (7.68" x 2.68" x 7.68") Package: 381 x 276 x 142mm (15" x 10.87" x 5.59")
Processor	Single LGA-1851 Intel® Core™ Ultra 9/7/5 (Series 2) processors
System Memory	Slot Count: 2 DIMM slots Max Memory (1DPC): Up to 96GB 6400MT/s ECC/non-ECC DDR5 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 5.0 x4 NVMe slot (M-key 2280)
Expansion Slots	1 M.2 PCIe 4.0 x1 slot (E-key 2230)
Input / Output	LAN: 2 RJ45 2.5 GbE LAN ports (Intel® I226) USB: 3 USB 3.2 Gen2 Type-A ports (Rear) 1 USB 3.2 Gen2 Type-C port (Rear) Video: 2 DisplayPort ports (Rear) 2 HDMI® port(s) (Rear) TPM: 1 TPM Onboard/port 80



System Cooling	Fans: Up to 1 CPU heatsink with $\Phi 80 \times 15 \text{ mm}$ Fan(s) Up to 2x 4-PIN PWM 60x60x15mm Fan(s)
Power Supply	1x 180W power supply
System BIOS	BIOS Type: AMI 32MB UEFI BIOS Features: ACPI 6.5 SMBIOS 3.7 or later UEFI 2.9
Management	Supermicro SuperDoctor® 5 (SD5); Super Diagnostics Offline (SDO); SuperServer Automation Assistant (SAA) New!
Dimensions and Weight	Weight: Gross Weight: 6.68 lbs (3.04 kg) Net Weight: 3.86 lbs (1.75 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 X14SAV-LVDS
Chassis	CSE-101iF