

IoT SuperServer SYS-E102-14AM-H

Compact embedded box PC with 8-core CPU



Key Applications

IoT Gateway, Embedded Networking Applications, Networking Security Appliance, SD-WAN,

Key Features

- Intel® Atom® x7835RE(TDP 12W/8C) with air cooling;
- Up to 16GB DDR5-4800MT/s in 1DPC;
- 2x RJ45 2.5GbE (Intel i226-IT);
- 1x M.2 M-Key 2242/2280 (PCIe x3.0),1x M.2 B-key 2242/2280(SATA 3.0);

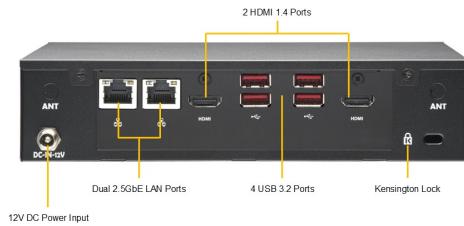


Form Factor	Fan-based Embedded Enclosure: 190 x 44 x 120mm (7.48" x 1.72" x 4.72") Package: 300 x 130 x 279mm (11.81" x 5.12" x 11.02")
Processor	Intel® Atom® x7835RE Up to 8C/8T; Up to 6MB Cache
System Memory	Slot Count: 1 DIMM slots/1 Channels Max Memory (1DPC): Up to 16GB 4800MT/s non-ECC DDR5 SO-DIMM
Drive Bays Configuration	1 M.2 PCIe 3.0 x1 SATA slot (B-key 2242/2280) 1 M.2 PCIe 3.0 x1 NVMe/SATA slot (M-key 2242/2280)
Expansion Slots	1 M.2 PCIe 3.0 x1 slot (E-key 2230(default)) 1 M.2 PCIe 3.0 x1 SATA slot (B-key 2242/2280) 1 M.2 PCIe 3.0 x1 NVMe/SATA slot (M-key 2242/2280)
On-Board Devices	2 RJ45 2.5GbE with Intel® I226-IT
Input / Output	LAN: 2 RJ45 2.5 GbE LAN ports (Intel® I226) USB: 4 USB 3.2 Gen2 Type-A ports(Rear) Video: 2 HDMI 1.4 ports(Rear)

(Front View – System)



(Rear View – System)



System Cooling	Fans: Up to 1x 40x40mm Fan(s)
Power Supply	1x 60W power supply
System BIOS	BIOS Type: AMI 256MB SPI Flash EEPROM
Management	Supermicro SuperDoctor® 5 (SD5)
Dimensions and Weight	Weight: Gross Weight: 4.5 lbs (2 kg) Net Weight: 2.65 lbs (1.2 kg) Available Color: Black
Operating Environment	RoHS Compliant Operating Temperature: 0°C to 50°C (32°F to 122°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 A4SAN-H
Chassis	CSE-E102TF