IoT SuperServer SYS-E102-13R-E

Compact embedded Box PC on 3.5" Intel Raptor Lake MB

More details here

Key Applications

IoT Gateway, Smart Retail, Inference AI edge compute, Medical/Education Signage,

Key Features

- Intel® Intel® Raptor Lake-P I5-1350PE 12C/16T Processor;
- Dual Channel DDR5 4800MHz SO-DIMM, up to 64GB;
- 2x 2.5GbE LAN Ports;
- 1x 2.5” 7mm Storage Drive;
- 1x M.2 M-Key 2242/2280 (PCIe x4), 1x M.2 E Key 2230, 1x M.2 B-key 2242/3042/2280;
- 4x USB 3.2 Ports Gen2, 2x HDMI Port, 2x DisplayPort (2x USB type-C for USB & DP);



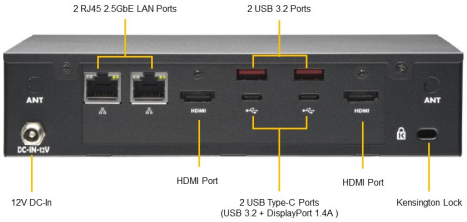
Form Factor	Fan-based Embedded Rackmount Enclosure: 190 x 44 x 120mm (7.48" x 1.72" x 4.72") Package: 300 x 130 x 279mm (11.81" x 5.12" x 11.02")
Processor	Single processor(s) 12C/24T; 12MB Cache
System Memory	Slot Count: 2 DIMM slots Max Memory (2DPC): 64GB 4800MT/s non-ECC DDR5 SO-DIMM
Drive Bays Configuration	Default: Total 1 bay(s) • 1 internal fixed 2.5" SATA drive bay(s) M.2: 1 M.2 NVMe slot(s) (M-key 2280)
Expansion Slots	1 M.2 NVMe slot(s) (E-key 2230) 1 M.2 NVMe slot(s) (B-key 2242/2280/3042)
On-Board Devices	SATA: SATA (6Gbps) Chipset: Intel® System on Chip Network Connectivity: 2 RJ45 2.5GbE with Intel® I226-IT
Input / Output	LAN: 2 RJ45 2.5 GbE LAN port(s) USB: 2 USB 3.2 Gen2 Type-A port(s) (Rear) 2 USB 3.2 Gen2 Type-C port(s) (Rear) Video: 1 HDMI 2.0b port(s) (Rear) 1 HDMI 1.4b port(s) (Rear) 2 DisplayPort over USB Type-C 1.4 port(s) (Rear)

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(Front View – System)



(Rear View – System)



System Cooling	Fans: 1x 4-PIN PWM 40x40x15mm Fan(s)
Power Supply	1x 84W power supply
System BIOS	BIOS Type: AMIUEFI BIOS Features: ACPI 6.4 SMBIOS 3.5 or later UEFI 2.8B PCI F/W 3.3
Management	SuperCloud Composer; 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: 4.5 lbs (2 kg) Net Weight: 2.65 lbs (1.2 kg) 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 X13SRN-E-WOHS**
Chassis	**CSE-E102TF2**

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