

eBOX570 NEW

Fanless Embedded System with 13th Gen Intel® Core™ i7/i5/Celeron® Processor, 2 HDMI, 2 LANs, 8 USB, 2 COM, and 12 VDC



Features

- 13th Gen Intel® Core™/Celeron® processor (Raptor Lake P)
- Wide operating temperature from -40°C to +70°C
- 1 DDR4-3200 SO-DIMM slot, up to 32 GB
- 8 USB ports and 2 COM ports for enhanced I/O connectivity
- Supports high-speed NVMe storage (M.2 Key M 2280)
- Supports Intel® vPro and TPM 2.0
- Ideal for AGV, AMR, and AIV robotics applications

Specifications

Standard Color	Silver	
Construction	Aluminum extrusion and heavy-duty steel, IP40	
Processor	CPU Level	Intel® Core™ i7-1365UE, Core™ i5-1335UE or Celeron® U300E (TDP up to 15W)
System	Chipset	SoC integrated
System Memory	1 x 260-pin DDR4-3200 SO-DIMM, up to 32GB	
System I/O	Ethernet	1 x 10/100/1000 Mbps with Intel® I210-IT, supporting Wake-on-LAN and equipped with a PXE Boot ROM 1 x 10/100/1000 Mbps with Intel® I219-LM, supporting Wake-on-LAN, PXE Boot ROM, and Intel® AMT
	Serial	2 x RS-232/422/485
	USB	4 x USB 3.2 Gen 2x1 (10G) Type-A 2 x USB 3.2 Gen 1x1 (5G) Type-A 2 x USB 2.0
	Display	2 x HDMI 1.4b @ 30 Hz, 4096 x 2160 max resolution
	Others	1 x power button 1 x reset switch connector 1 x remote switch 2 x antenna openings
	Audio	N/A

Specifications

TPM	TPM 2.0
Expansion Interface	1 x full-size PCI Express Mini Card slot (USB 2.0, PCIe, and SIM signal) 1 x M.2 Key E 2230 socket (for Wi-Fi 6E) (USB 2.0 and PCIe signal)
Storage	1 x M.2 Key M 2280 socket (for NVMe storage with PCIe x4 Gen 3 or SATA signal, selectable through the BIOS)
System Indicators	1 x green LED for system power-on 1 x red LED for storage activity
Power Input	12 VDC $\pm$ 5%
Operating Temperature	-40°C to +70°C (-40°F to +158°F) (with W.T. DRAM & SSD, CPU TDP 15W) -40°C to +65°C (-40°F to +149°F) (with STD DRAM & SSD, CPU TDP 15W)
Storage Temperature	-40°C to +85°C
Relative Humidity	10% to 95% relative humidity, non-condensing
Vibration	IEC 60068-2-64 (with NVMe SSD: 3 Grms STD, random, 5 to 500 Hz, and 1 hr/axis)
Shock	IEC 60068-2-27 (with NVMe SSD: 50 G, half-sine, and 11 ms duration)
Dimensions (W x D x H)	120 x 178 x 65 mm (4.72" x 7.01" x 2.56")
Weight (net/gross)	2 kg (4.41 lbs)/2.5 kg (5.51 lbs)
Certifications	CE (EN 61000-6-4/EN 61000-6-2), FCC Class A, and UKCA
EOS Support	Win 10 IoT, Win 11 IoT, and Linux

* W.T.: Wide Temperature. All W.T. supported products have to be sorted by Axiomtek.

Ordering Information

System

eBOX570-13P-i7 (P/N: E36K570100)	Fanless embedded system with Intel® Core™ i7-1365UE, 2 HDMI, 2 LANs, 8 USB, 2 COM, and 12 VDC
eBOX570-13P-i5 (P/N: E36K570101)	Fanless embedded system with Intel® Core™ i5-1335UE, 2 HDMI, 2 LANs, 8 USB, 2 COM, and 12 VDC
eBOX570-13P-Cel (P/N: E36K570102)	Fanless embedded system with Intel® Celeron® U300E, 2 HDMI, 2 LANs, 8 USB, 2 COM, and 12 VDC

Optional Accessory

M.2 NVMe	128GB or above
DDR4 SO-DIMM	4GB or above
E29R129124	Wall mount kit
E29R129125	DIN-rail kit
E29R129126	VESA mount kit
509000004800	12V 96W power adapter
	Power cord
	Wi-Fi/LTE module

Power Protection

DC version
OVP (over voltage protection)
OCP (over current protection)
Reverse protection

Packing List

4 x foot pad
1 x screw pack
1 x 3-pin terminal block connector
1 x remote switch cable

Dimensions

