

# eBOX640A NEW

Fanless Embedded System with LGA1700 12th generation Intel® Core™ i7/i5/i3 or Celeron® processor, Intel® H610, 4 COM, 2 LANs, 2 HDMI, 4 USB, 8-CH DIO



## Features

- LGA1700 Intel® Core™ i7/i5/i3 or Celeron® processor (Alder Lake-S)
- Intel®UHD Graphics 770 by Intel®Xe Architecture with up to 32 graphics
- 4-CH DI and 4-CH DO
- 2 HDMI for Dual Display Outputs



## Specifications

Standard Color	Silver
Construction	Aluminum extrusion and heavy-duty steel, IP40
CPU	LGA1700 12th generation Intel® Core™ i7/i5/i3 or Celeron® processor (TDP up to 35W)
System Memory	2 x 260-pin DDR4-3200/2666/2400 SO-DIMM, up to 64GB
Chipset	Intel® H610
BIOS	AMI
System I/O Outlet	1 x RS-232/422/485 (COM1) 3 x RS-232 (COM2-4) 2 x 10/100/1000Mbps Ethernet (Intel® i219V, i225V) 2 x USB 3.2 Gen1 2 x USB 2.0 1 x Audio (Line-out) 2 x HDMI 1 x phoenix type power input 1 x 8-CH DIO (4-in/4-out) 3 x SMA-type antenna connector 1 x Flexible I/O window 1 x Power switch 1 x Reset switch connector 1 x ATX/AT quick switch 1 x Remote switch connector
Watchdog Timer	255 levels, 1 to 255 sec.
Storage	1 x 2.5" SATA HDD drive bay (up to 15 mm height)
Expansion Interface	1 x M.2 Key B 2242/3042/3052 (SATA & USB 3.2 Gen1) 1 x M.2 Key E 2230 1 x mini-PCIe (PCIe x1 & USB 2.0) 1 x SIM slot for M.2 Key B
TPM	TPM 2.0
System Indicator	1 x Green for system power 1 x Orange LED for HDD active
Power Input	TBC

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## Specifications

Operating Temperature	-10°C to +50°C (14°F to 122°F) (with W.T. SSD/DRAM)
Humidity	10% - 90%, non-condensing
Vibration Endurance	IEC 60068-2-64 (w/SSD: 3Grms STD, random, 5- 500 Hz, 1 hr/axis)
Shock Vibration	IEC 60068-2-27 (w/SSD: 50G, half sine, 11 ms duration)
Dimensions	195 mm (7.67") (W) x 210.6 mm (8.27") (D) x 80 mm (3.14") (H)
Weight (net/gross)	3 kg (6.61 lb)/3.6 kg (7.94 lb)
Certifications	CE, FCC Class A, UKCA
EOS Support	Win 10 IoT, Win 11 IoT, Linux

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

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## Packing List

1 x Screws pack  
4 x Foot pad

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## Power Protection

### AC to DC Adapter

SCP (short circuit protection)  
OVP (over voltage protection)

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## Ordering Information

### Standard

eBOX640A-ALD	Fanless Embedded System with LGA1700 12th generation Intel® Core™ i7/i5/i3 or Celeron® processor, Intel® H610, 4 COM, 2 LANs, 2 HDMI, 4 USB, 8-CH DIO
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### Optional

2.5" SATA HDD	64GB or above
2.5" SATA SSD	100GB or above
DDR4 SO-DIMM	8GB to 32GB
8816K6718A0E	Wall mount kit
886K64010A0E	DIN-rail kit
	Wi-Fi/LTE module
	Power cord
E392903102	AX92903 CAN Bus PCI Express Mini module
E392902103	AX92902 LAN PCI Express Mini module
E392906101	AX92906 COM PCI Express Mini module
E392905103	AX92905 Audio PCI Express Mini module
E392918103	AX92918 Dual LAN PCI Express Mini module

\* Specifications and certifications may vary based on different requirements.

## Dimensions

