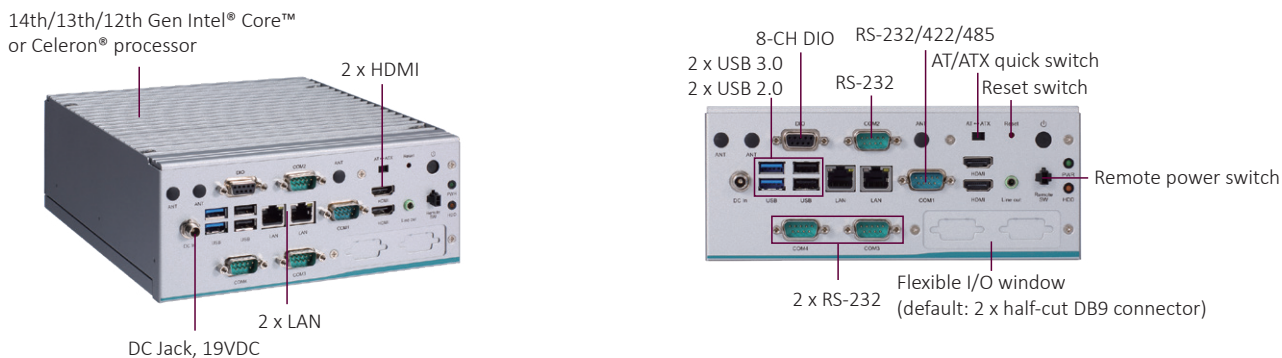


eBOX640A NEW

Fanless Embedded System with LGA1700 14th/13th/12th Gen Intel® Core™ i7/i5/i3 or Celeron® processor, Intel® H610, 4 COM, 2 LANs, 2 HDMI, 4 USB, 8-CH DIO and 19VDC



Features

- LGA1700 14th/13th/12th Gen Intel® Core™ i7/i5/i3, 35W TDP
- Intel® UHD Graphics 770 based on Intel® X^e Architecture with support for up to 32 graphics
- Supports PCIe Mini module for flexible I/O window (optional)
- 2 HDMI for dual display outputs
- -10°C to +50°C wide operating temperatures
- 19VDC power input with power protection
- Efficient and budget-friendly

Specifications

| | |
|-------------------|---|
| Standard Color | Silver |
| Construction | Aluminum extrusion and heavy-duty steel, IP40 |
| CPU | LGA1700 14th/13th/12th Gen Intel® Core™ i7/i5/i3 or Celeron® processor (up to 35W TDP) |
| 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 to 4) 1 x 2500/1000/100/10 Mbps Ethernet (Intel® I225-V) 1 x 1000/100/10 Mbps Ethernet (Intel® I219-V) 2 x USB 3.2 Gen 1 2 x USB 2.0 1 x audio (Line-out) 2 x HDMI 1 x DC Jack 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 |

Specifications

| | |
|------------------------|---|
| 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 (PCIe x2 signal, storage-only) 1 x M.2 Key E 2230 (PCIe x1 & USB 2.0 signal) 1 x full-size PCI Express Mini Card slot (PCIe x1 & USB 2.0 signal) |
| TPM | TPM 2.0 |
| System Indicator | 1 x green for system power 1 x orange LED for HDD activity |
| Power Input | 19 VDC |
| Operating Temperature | -10°C to +50°C (+14°F to +122°F) (with W.T. SSD/DRAM) |
| Relative Humidity | 10% to 90% relative humidity, non-condensing |
| Vibration Endurance | IEC 60068-2-64 (with SSD: 3Grms STD, random, 5 to 500 Hz, and 1 hr/axis) |
| Shock Vibration | IEC 60068-2-27 (with SSD: 50G, half-sine, and 11 ms duration) |
| Dimensions (W x D x H) | 195 x 210.6 x 80 mm (7.67" x 8.27" x 3.14") |
| Weight (net/gross) | 3 kg (6.61 lb)/3.6 kg (7.94 lb) |
| Certifications | CE, 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

Standard

| | |
|-------------------------------------|---|
| eBOX640A-ALD-S (P/N: E36K640A00) | Fanless embedded system with LGA1700 14th/13th/12th Gen Intel® Core™ i7/i5/i3 or Celeron® processor, Intel® H610, 4 COM, 2 LAN, 2 HDMI, 4 USB, 8-CH DIO, and 19VDC |
|-------------------------------------|---|

Optional

| | |
|---------------|--|
| 2.5" SATA HDD | 64GB or above |
| 2.5" SATA SSD | 100GB or above |
| DDR4 SO-DIMM | 8GB to 32GB |
| E29R129104 | Wall mount kit |
| E29R129116 | 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 |
| 5095AD24000E | 19V 120W power adapter |

* Specifications and certifications may vary depending on specific requirements.

Packing List

- 1 x screws pack
- 4 x foot pad
- 1 x HDD bracket
- 1 x DRAM thermal pad
- 1 x remote power switch cable

Power Protection

AC to DC Adapter

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

Dimensions

