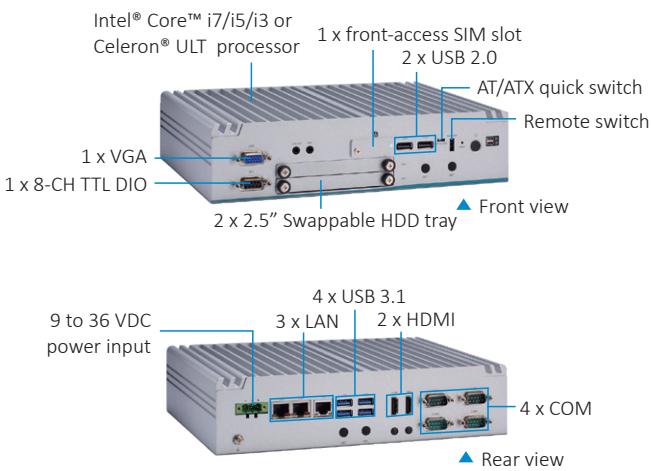


# eBOX630-528-FL

Fanless Embedded System with 8th Gen Intel® Core™ i7/i5/i3 or Celeron® ULT Processor, 2 HDMI, 1 VGA, 3 GbE LAN, 6 USB, Dual PCI Express Mini Card Slots, and 9 to 36 VDC



## Features

- 8th gen Intel® Core™ i7/i5/i3 or Celeron® ULT processor (Whiskey Lake-U)
- Dual-channel DDR4 2400 SO-DIMM for up to 64GB of memory
- Supports 2 HDMI, VGA, 3 GbE LAN, 4 COM, and 6 USB
- Trusted Platform Module (TPM) 2.0 onboard
- -40°C to +70°C\* operating temperature
- 9 to 36 VDC wide range power input
- Hailo-8™ AI acceleration modules compatible\*\*

\* Operating temperature: -40°C to +70°C at 0.7 m/s airflow

\*\* Operating temperature: 0°C to +50°C with Hailo-8™ AI acceleration module



IP40



Fanless



DDR4



9 - 36 VDC



Triple-View



USB 3.1



Hailo-8



EN 50121-4

## Specifications

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Standard Color      | Silver                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Construction        | Aluminum extrusion and heavy-duty steel, IP40                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| CPU                 | Intel® Core™ i7-8665UE/i5-8365UE/i3-8145UE or Celeron® 4305UE (up to 15W TDP)                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| System Memory       | 2 x 260-pin DDR4-2400 SO-DIMM, up to 64GB                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Chipset             | SoC integrated                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| BIOS                | AMI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| System I/O Outlet   | 2 x RS-232/422/485 (COM1/2)<br>2 x RS-232 (COM3/4)<br>2 x HDMI 1.4b (lockable)<br>1 x VGA<br>3 x 10/100/1000 Mbps Ethernet (1 x Intel® i219-LM, 2 x Intel® i210-IT)<br>2 x USB 3.1 Gen2<br>2 x USB 3.1 Gen1<br>2 x USB 2.0<br>1 x 8-CH TTL DIO via DB9 female connector<br>1 x Phoenix-type VDC power input connector<br>1 x Audio (Mic-in/Line-out)<br>1 x ATX power switch<br>1 x AT/ATX quick switch<br>1 x Remote power switch<br>1 x Reset switch connector<br>1 x Front-access SIM slot<br>4 x Antenna opening |
| Watchdog Timer      | 255 levels, 1 to 255 sec.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Storage             | 2 x 2.5" swappable HDD drive bay (up 9.5 mm height, RAID 0,1 supported)<br>1 x mSATA (enabled in BIOS setting)                                                                                                                                                                                                                                                                                                                                                                                                       |
| Expansion Interface | 2 x Full-size PCI Express Mini Card<br>Slot A (USB + PCIe signal)<br>Slot B (USB + PCIe + SATA signal)                                                                                                                                                                                                                                                                                                                                                                                                               |
| TPM                 | TPM 2.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| System Indicator    | 1 x Green LED for system power-on<br>1 x Orange LED for HDD/SSD active                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Power Input         | 9 to 36 VDC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

## Specifications

|                       |                                                                                                                                                     |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| Operating Temperature | -40°C to +70°C (-40°F to +158°F) with 0.7 m/s air flow<br>-40°C to +65°C (-40°F to +149°F) with 0.5 m/s air flow (with W.T. DRAM & SSD,CPU TDP 15W) |
| Humidity              | 10% to 95%, non-condensing                                                                                                                          |
| Shock Vibration       | IEC 60068-2-27 (with SSD: 50G, half sine, 11 ms duration)                                                                                           |
| Vibration Endurance   | IEC 60068-2-64 (with SSD: 3Grms STD, random, 5 to 500 Hz, 1 hr/axis)                                                                                |
| Dimensions            | 250 mm (9.84") (W) x 170 mm (6.69") (D) x 60 mm (2.36") (H)                                                                                         |
| Weight (net/gross)    | 2.4 kg (5.29 lb)/3.2 kg (7.0 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.

## Packing List

2 x DRAM thermal pad  
1 x DRAM bracket  
1 x Remote switch cable  
1 x 3-pin phoenix connector  
4 x Foot pad  
1 x Screw pack

## Power Protection

### DC Version

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

## Ordering Information

### Standard

|                                            |                                                                                                       |
|--------------------------------------------|-------------------------------------------------------------------------------------------------------|
| eBOX630-528-FL-8665UE<br>(P/N: E360630125) | Fanless embedded system with Intel® Core™ i7-8665UE, 2 HDMI, 1 VGA, 3 GbE LAN, 6 USB, and 9 to 36 VDC |
| eBOX630-528-FL-8365UE<br>(P/N: E360630126) | Fanless embedded system with Intel® Core™ i5-8365UE, 2 HDMI, 1 VGA, 3 GbE LAN, 6 USB, and 9 to 36 VDC |
| eBOX630-528-FL-8145UE<br>(P/N: E360630127) | Fanless embedded system with Intel® Core™ i3-8145UE, 2 HDMI, 1 VGA, 3 GbE LAN, 6 USB, and 9 to 36 VDC |
| eBOX630-528-FL-4305UE<br>(P/N: E360630128) | Fanless embedded system with Intel® Celeron® 4305UE, 2 HDMI, 1 VGA, 3 GbE LAN, 6 USB, and 9 to 36 VDC |

### Optional

|               |                                                |
|---------------|------------------------------------------------|
| 2.5" SATA HDD | 256GB or above                                 |
| 2.5" SATA SSD | 100GB or above                                 |
| DDR4 SO-DIMM  | 8GB to 32GB                                    |
| mSATA         | 64GB or above                                  |
| E29R129103    | Wall mount kit                                 |
| E29R129115    | DIN-rail kit                                   |
| 509000001500  | 24V 120W power adapter<br>Power cord           |
|               | Wi-Fi/LTE module                               |
| E9C3000008    | Hailo VPU PCIe Mini Card AI module HMP1RB1C2GA |

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

Dimensions

