

# 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)
- Fanless -40°C to +70°C\* operating temperature
- 9 to 36 VDC wide range DC power input
- Hailo-8™ AI acceleration modules compatible\*\*

\* -40°C to +70°C operating temp. at 0.7 m/s air flow

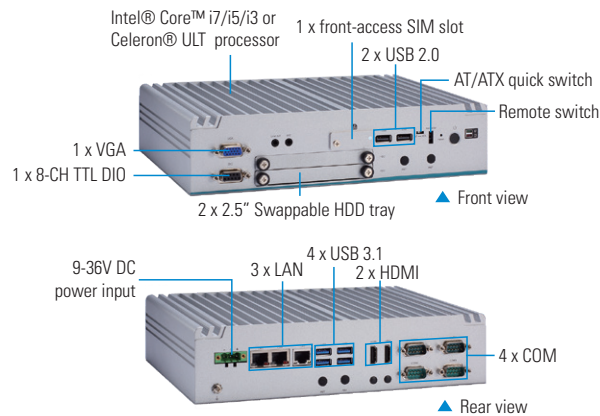
\*\* 0°C to +50°C operating temp. with Hailo-8™ AI acceleration module



## Specifications

Standard Color	Silver
Construction	Aluminum extrusion and heavy-duty steel, IP40
CPU	Intel® Core™ i7-8665UE/i5-8365UE/i3-8145UE or Celeron® 4305UE (TDP up to 15W)
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) 2 x RS-232 (COM3/4) 2 x HDMI (lockable) 1 x VGA 3 x 10/100/100 Mbps Ethernet (1 x Intel® i219LM, 2 x Intel® i210IT) 2 x USB 3.1 Gen2 2 x USB 3.1 Gen1 2 x USB 2.0 1 x 8-CH TTL DIO via DB9 female 1 x Phoenix type VDC power input connector 1 x Audio (Mic-in/Line-out) 1 x ATX power switch 1 x AT/ATX quick switch 1 x Remote power switch 1 x Reset switch 1 x Front-access SIM slot 4 x SMA-type antenna opening
Watchdog Timer	255 levels, 1 to 255 sec.
Storage	2 x 2.5" swappable HDD drive bay (max. up 9.5 mm height) 1 x mSATA (enabled in BIOS setting)
Expansion Interface	2 x Full-size PCI Express Mini Card Slot A (USB + PCIe signal) Slot B (USB + PCIe + SATA signal)
TPM	TPM 2.0
System Indicator	1 x Green LED for system power-on 1 x Orange LED for HDD/SSD active
Power Input	9 to 36 VDC
Operating Temperature	-40°C to +70°C (-40°F to +158°F) with 0.7 m/s air flow -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% - 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
EOS Support	Win 10 IoT, Linux
Software Support	AXView

\* 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 current protection)

## Ordering Information

Standard	
eBOX630-528-FL-8665UE (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 (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 (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 (P/N: E360630128)	Fanless embedded system with Intel® Core™ 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	4GB to 32GB
mSATA	64GB or above
881606302A0E	Wall mount kit
881606303A0E	DIN-rail kit
50906D24000E	24V 120W power adapter
	Power cord
	3G/LTE module
E9C3000008	Hailo VPU PCIe Mini Card AI module HMP1RB1C2GA

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

## Dimensions

