eBOX640-521-FL

Fanless Embedded System with LGA1151 Socket 9th/8th Gen Intel® Core™ & Celeron® Processor, Intel® H310, HDMI, DisplayPort, 6 USB, 2 COM and 8-CH DI/DO

Features

- LGA1151 socket 9th/8th gen Intel® Core™ i7/i5/i3 & Celeron® processor (Coffee Lake)
- Supports 2 COM, 6 USB and 8-CH DI/DO
- Two 2.5" SATA drive bay
- M.2 Key E 2230 for Wi-Fi
- Front I/O connectivity design
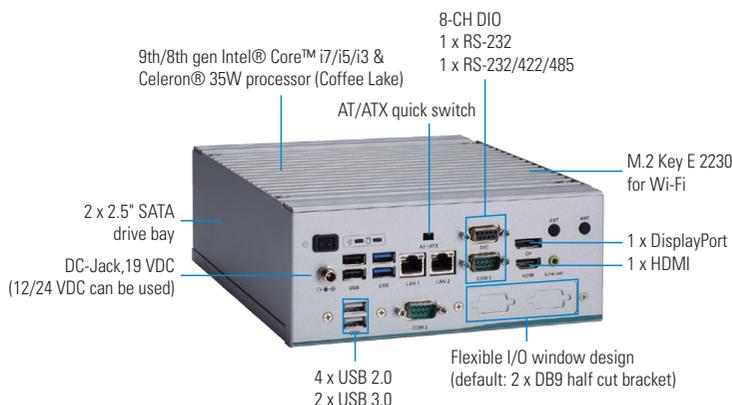- Flexible I/O window supported

8-CH DIO
1 x RS-232
1 x RS-232/422/485

9th/8th gen Intel® Core™ i7/i5/i3 & Celeron® 35W processor (Coffee Lake)

AT/ATX quick switch

M.2 Key E 2230 for Wi-Fi

2 x 2.5" SATA drive bay

DC-Jack,19 VDC (12/24 VDC can be used)

1 x DisplayPort
1 x HDMI

4 x USB 2.0
2 x USB 3.0

Flexible I/O window design (default: 2 x DB9 half cut bracket)

IP40	Fanless	DDR4	DualView	USB 3.0	19 VDC

Specifications

Standard Color	Silver
Construction	Aluminum extrusion and heavy-duty steel, IP40
CPU	LGA1151 socket 9th/8th gen Intel® Core™ i7/i5/i3 & Celeron® processor (CPU TDP max. up to 35W)
System Memory	2 x 260-pin DDR4-2400 SO-DIMM, up to 64GB
Chipset	Intel® H310
BIOS	AMI
System I/O Outlet	1 x RS-232/422/485 1 x RS-232 2 x 10/100/1000Mbps Ethernet (Intel® i219V-LM, i211-AT) 2 x USB 3.0 4 x USB 2.0 1 x Audio (Line-out) 1 x DisplayPort 1 x HDMI 1 x DC-jack power input 1 x 8-CH DIO (4-in/4-out) 4 x SMA-type antenna connector 1 x Flexible I/O window
Watchdog Timer	255 levels, 1 to 255 sec.
Storage	2 x 2.5" SATA HDD drive bay (max. up 9.5 mm height)
Expansion Interface	1 x Full-size PCI-Express Mini Card slot (PCIe + SATA + USB) 1 x M.2 Key E 2230 (for Wi-Fi)
TPM	TPM 2.0
System Indicator	1 x Green for system power 1 x Orange LED for HDD active
Power Input	19 VDC, 6.32A (12V, 24V DC can be used by option adapter)
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
EOS Support	Win 10 IoT, Linux

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

Packing List

1 x Screws pack
4 x Foot pad
2 x HDD bracket
2 x DRAM Thermal pad

Power Protection

AC to DC Adapter
SCP (short circuit protection)
OVP (over voltage protection)

Ordering Information

Standard

eBOX640-521-FL-DC	Fanless embedded system with LGA1151 9th/8th gen Intel® Core™ i7/i5/i3 & Celeron® processor, Intel® H310, HDMI, DisplayPort, 6 USB, 2 COM, M.2 slot and 19 VDC

Optional

2.5" SATA HDD	64GB or above
2.5" SATA SSD	100GB or above
DDR4 SO-DIMM	4GB to 32GB
8816K6718A0E	Wall mount kit
8816K6404A0E	DIN-rail kit
	3G/LTE module
5095AD24000E	19V 120W power adapter
	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

80

210.6

195

83.5