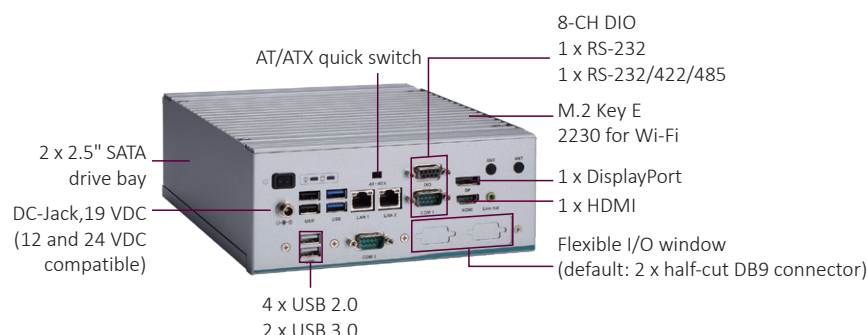


eBOX640-521-FL

Fanless Embedded System with LGA1151 Socket 9th/8th Gen Intel® Core™ or 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 or Celeron® processor (Coffee Lake)
- Supports 2 COM, 6 USB, and 8-CH DI/DO
- Two 2.5" SATA drive bays
- M.2 Key E 2230 for Wi-Fi
- Front-access I/O connectivity design
- Supports flexible I/O window

Specifications

Standard Color	Silver
Construction	Aluminum extrusion and heavy-duty steel, IP40
CPU	LGA1151 socket 9th/8th Gen Intel® Core™ i7/i5/i3 or Celeron® processor (CPU up to 35W TDP)
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® I219-V and Intel® I210-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 antenna opening 1 x flexible I/O window

Specifications

Watchdog Timer	255 levels, 1 to 255 sec.
Storage	2 x 2.5" SATA HDD drive bay (up to 15 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 activity
Power Input	19 VDC, 6.32A (12 and 24 VDC options available with an adapter)
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 lbs)/3.6 kg (7.94 lbs)
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

eBOX640-521-FL-DC (P/N: E36K640103)	Fanless embedded system with LGA1151 socket 9th/8th Gen Intel® Core™ i7/i5/i3 or Celeron® processor, Intel® H310, HDMI, DisplayPort, 6 USB, 2 COM, M.2 slot, and 19 VDC
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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
E29R129104	Wall mount kit
E29R129116	DIN-rail kit
	Wi-Fi/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.

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)

Dimensions

