eBOX640-521-FL New
Fanless Embedded System with LGA1151 Socket 8th Gen Intel® Core™ & Celeron® Processor, Intel® H310, HDMI, DisplayPort, 6 USB, 2 COM and 8-CH DI/DO

Features
- LGA1151 socket 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
- 12/19 to 24 VDC power input via DC-Jack
- Flexible I/O window supported

Specifications
- Standard Color: Silver
- Construction: Aluminum extrusion and heavy-duty steel, IP40
- CPU: LGA1151 socket 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 32GB
- Chipset: Intel® H310
- BIOS: AMI
- System I/O Outlet:
  - 1 x RS-232
  - 1 x RS-232/422/485
  - 2 x 10/100/1000Mbps Ethernet (Intel® i219-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: 256 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 PCIe 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: 12/19 to 24 VDC, 9.02 - 5.2A
- 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: 3Gms STD, random, 5 - 500 Hz, 1 hr/axis)
- Shock Vibration: IEC 60068-2-27 (w/SSD: 50G/msec Wall mount, half sine, 11 ms duration)
- Dimensions: 195 mm (7.67") (W) x 210.3 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.

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 8th gen Intel® Core™ i7/i5/i3 & Celeron® processor, Intel® H310, HDMI, DisplayPort, 6 USB, 2 COM, M.2 slot and 12/19 to 24 VDC

- Optional:
  - 2.5" SATA HDD
  - 2.5" SATA SSD
  - DDR4 SO-DIMM
  - Wall mount kit
  - DIN-rail kit
  - Wi-Fi module
  - 3G/LTE module
  - 19V/120W power adapter

* Specifications and certifications may vary based on different requirements.

Dimensions

Packing List
- 1 x Screw pack
- 4 x Foot pad