

eBOX710A NEW

Fanless Embedded System with LGA1200 Socket 10th/11th Gen Intel® Core™ i9/i7/i5/i3 or Celeron® Processor, Intel® H420E, HDMI, DisplayPort, 6 USB, 4 LAN, PCIe x4 slot, and 9 to 48 VDC

Features

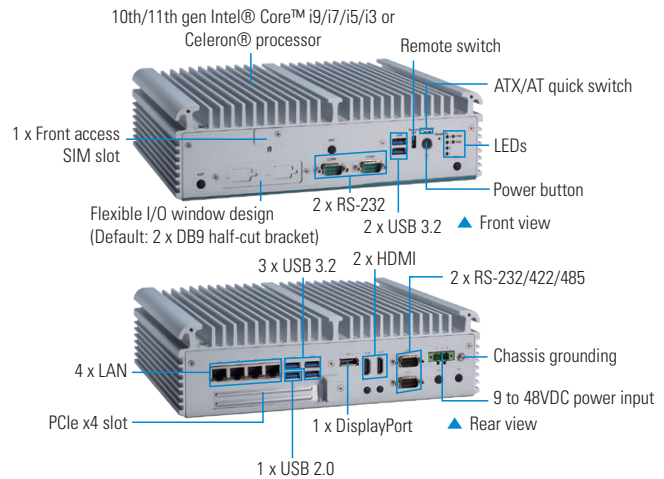
- 10th/11th gen Intel® Core™ i9/i7/i5/i3 or Celeron® (Comet Lake-S) processor up to 65W
- 4 GbE LAN and 4 COM ports
- Dual 2.5" SATA HDD drive bays
- 2 HDMI and 1 DisplayPort with dual view supported
- -40 °C to +70 °C wide operating temperatures
- Wide range power input from 9 to 48 VDC
- 1 PCIe x4 slot for I/O card
- Flexible I/O Window supported via mPCIe modules



Specifications

Standard Color	Silver
Construction	Aluminum extrusion and heavy-duty steel, IP40
CPU	LGA1200 socket 10th/11th gen Intel® Core™ i9/i7/i5/i3 or Celeron® processor (35W/65W)
System Memory	2 x 260 pin DDR4-2933 non-ECC SO-DIMM, up to 64GB
Chipset	Intel® H420E
BIOS	AMI
System I/O Outlet	<p>Front side:</p> <ul style="list-style-type: none"> 1 x Power button 1 x AT/ATX quick switch 2 x USB 3.2 Gen1 1 x Remote switch 1 x Front access SIM slot with cover (for M.2 Key B) 1 x Reset button 2 x RS-232 3 x Antenna opening 1 x Flexible I/O window (Default: 2 x DB9 half-cut bracket) <p>Rear side:</p> <ul style="list-style-type: none"> 1 x DC-in Phoenix type 2 x HDMI 1.4b (lockable) 1 x DisplayPort 1.2 ++ 3 x USB 3.2 Gen1 1 x USB 2.0 4 x GbE (3 x Intel® I210-IT, 1 x Intel® I219-LM) 2 x RS-232/422/485 2 x Antenna opening 1 x Grounding 1 x PCIe x4 slot
Watchdog Timer	255 levels, 1 to 255 sec.
Storage	2 x 2.5" SATA HDD/SSD (up to 15 mm height) 2 x mSATA (enabled in BIOS setting)
Expansion Interface	2 x Full-size PCI-Express Mini Card slot (USB + PCIe + SATA signal) 1 x M.2 Key B 3050 (for 5G; USB signal) 1 x Internal SIM slot for PCIe Mini Card slot 1 x PCIe x4 slot
TPM	TPM 2.0
System Indicator	1 x Green LED for system power 1 x Orange LED for HDD active 4 x Programmable Green LED
Power Input	9 to 48 VDC
Operating Temperature	-40°C to +70°C (-40°F to +158°F) with 0.7 m/s air flow (CPU TDP 35W) -40°C to +60°C (-40°F to +158°F) with 0.7 m/s air flow (CPU TDP 65W) (with W.T. DRAM & SSD)
Humidity	10% - 90%, non-condensing
Shock Vibration	IEC 60068-2-27 (w/ SSD: 50G, half-sine, 11 ms duration)
Vibration Endurance	IEC 60068-2-64 (w/ SSD: 3Grms STD, random, 5 - 500 Hz, 1 hr/axis)
Package Vibration	MIL-STD-810G 514.6C-II compliance
Dimensions	280 mm (11.02") (W) x 210 mm (8.26") (D) x 80.5 mm (3.16") (H)
Weight (net/gross)	4.9 kg (10.8 lb)/7 kg (15.43 lb)
Certifications	CE, FCC Class A
EOS Support	Win 11 IoT, Linux

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



Packing List

- 1 x Thermal grease
- 1 x 3-pin terminal block connector
- 1 x Remote switch cable
- 4 x Foot pad
- 1 x M.2 bracket + 2 x thermal pad + screw
- 2 x HDD bracket + screws

Power Protection

DC Version

- OVP (over voltage protection)
- UVP (under voltage protection)
- OC (over current protection)
- SCP (short circuit protection)
- Reserve protection

Ordering Information

Standard

eBOX710A-CML-PCIe (P/N: E36K710A00)	Fanless embedded system with LGA1200 socket 10th/11th gen Intel® Core™ i9/i7/i5/i3 or Celeron® processor, Intel® H420E, HDMI, DisplayPort, 6 USB, 4 LAN, PCIe x4 slot, and 9 to 48 VDC
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Optional

2.5" SATA HDD	80GB or above
2.5" SATA SSD	100GB or above
DDR4 SO-DIMM	4GB to 32GB
mSATA	64GB or above
8816K6718A0E	Wall mount kit
886K671A0A0E	DIN-rail kit
	3G/LTE/5G module
50906D24000E	24V 120W power adapter
	Power cord
E392903102	AX92903 CANbus PCI Express Mini module
E392902103	AX92902 LAN PCI Express Mini module
E392918103	AX92918 Dual LAN PCI Express Mini module
590000002700	DIO cable, L=20 cm, DB9 connector

* Specifications and certifications may vary based on different requirements.

Dimensions

