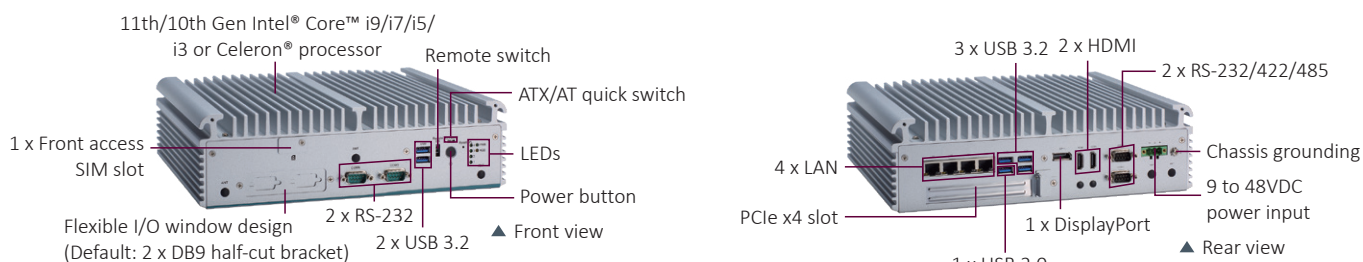


eBOX710A

Fanless Embedded System with LGA1200 Socket 11th/10th Gen Intel® Core™ i9/i7/i5/i3 or Celeron® Processor, Intel® H420E, 2 HDMI, DisplayPort, 6 USB, 4 LAN, PCIe x4 slot, and 9 to 48 VDC



Features

- 11th/10th Gen Intel® Core™ i9/i7/i5/i3 or Celeron® (Comet Lake-S) up to 65W processor
- 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 11th/10th 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	Front side 1 x power button 1 x AT/ATX quick switch 2 x USB 3.2 Gen 1 1 x remote switch 1 x front access SIM slot with cover (for M.2 Key B) 1 x reset switch connector 2 x RS-232 3 x antenna opening 1 x flexible I/O window (default: 2 x DB9 half-cut bracket)	Rear side 1 x DC-in Phoenix type 2 x HDMI 1.4b (lockable) 1 x DisplayPort 1.2 ++ 3 x USB 3.2 Gen 1 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 screw 1 x PCIe x4 slot
Watchdog Timer	255 levels, 1 to 255 sec.	

Specifications

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 slot (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 green LEDs for Programmable
Power Input	9 to 48 VDC
Operating Temperature	-40°C to +70°C (-40°F to +158°F) with 0.7 m/s airflow (CPU TDP 35W) -40°C to +60°C (-40°F to +140°F) with 0.7 m/s airflow (CPU TDP 65W) (with W.T. DRAM & SSD)
Relative Humidity	10% to 90% relative humidity, non-condensing
Shock Vibration	IEC 60068-2-27 (with SSD: 50G, half-sine, and 11 ms duration)
Vibration Endurance	IEC 60068-2-64 (with SSD: 3Grms STD, random, 5 to 500 Hz, and 1 hr/axis)
Package Vibration	MIL-STD-810G 514.6C-II compliance
Dimensions (W x D x H)	280 x 210 x 80.5 mm (11.02" x 8.26" x 3.16")
Weight (net/gross)	4.9 kg (10.8 lb)/7 kg (15.43 lb)
Certifications	CE, FCC Class A, and UKCA
EOS Support	Win 11 IoT, Win 11 IoT, and Linux

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

Ordering Information

Standard

eBOX710A-CML-PCIe (P/N: E36K710A00)	Fanless embedded system with LGA1200 socket 11th/10th Gen Intel® Core™ i9/i7/i5/i3 or Celeron® processor, Intel® H420E, 2 HDMI, DisplayPort, 6 USB, 4 LAN, PCIe x4 slot, and 9 to 48 VDC
--	--

Optional

2.5" SATA HDD	80GB or above
2.5" SATA SSD	100GB or above
DDR4 SO-DIMM	8GB to 32GB
mSATA	64GB or above
8816K6718A0E	Wall mount kit
886K671A0A0E	DIN-rail kit
	Wi-Fi/LTE/5G module
509000001500	24V 120W power adapter Power cord
E392906101	AX92906 COM Mini PCIe module
E392903102	AX92903 CAN Bus 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.

Packing List

- 1 x thermal grease
- 1 x 3-pin terminal block connector
- 1 x remote power 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)
- OCP (over current protection)
- SCP (short circuit protection)
- Reverse protection

Dimensions

