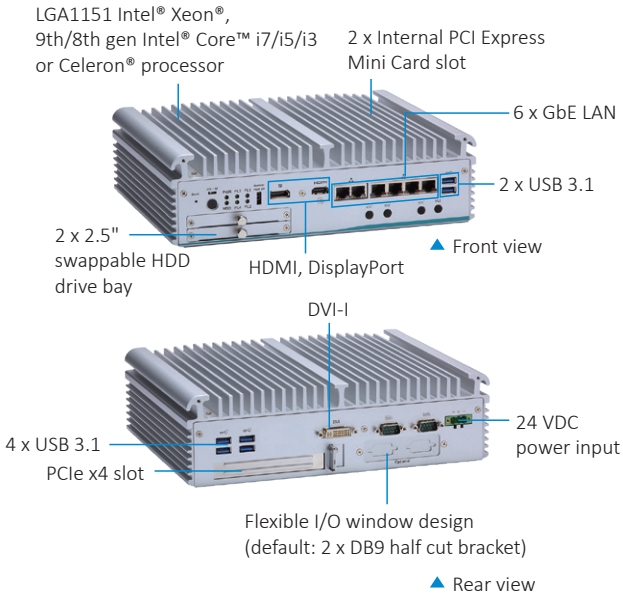
eBOX710-521-FL

Fanless Embedded System with LGA1151 Intel® Xeon®, 9th/8th Gen Intel® Core™ i7/i5/i3/Celeron® Processor, Intel® C246, ECC/Non-ECC, and 1 PCIe x4 Slot



Features

- Intel® Xeon®, 9th/8th gen Intel® Core™ i7/i5/i3 or Celeron® processor
- 2 DDR4 ECC/non-ECC memory supported, up to 64GB
- Dual swappable 2.5" SATA HDD drive bays with RAID 0 &1
- DVI-I, HDMI, and DisplayPort with triple-view supported
- 6 GbE LAN, 6 USB 3.1 and 1 PCIe x4 slot
- Flexible I/O window supported

Specifications

Standard Color	Silver
Construction	Aluminum extrusion and heavy-duty steel, IP40
CPU	LGA1151 Intel® Xeon®, 9th/8th gen Intel® Core™ i7/i5/i3 or Celeron® processor (CPU TDP max. up to 35 W)
System Memory	2 x 260-pin DDR4-2666 ECC/non-ECC SO-DIMM, up to 64GB*
Chipset	Intel® C246
BIOS	AMI
System I/O Outlet	2 x RS-232/422/485 1 x HDMI, 1 x DisplayPort, 1 x DVI-I 6 x 10/100/1000 Mbps Ethernet (5 x Intel® I210-IT & 1 x Intel® I219-LM) 2 x USB 3.1 Gen2, 4 x USB 3.1 Gen1 1 x Phoenix type VDC power input connector 1 x AT/ATX quick switch 1 x ATX power switch 1 x Reset switch connector 1 x Remote switch 1 x Flexible I/O window (Default : 2 x DB9 half-cut bracket) 4 x SMA-type antenna connector
Watchdog Timer	255 levels, 1 to 255 sec.
Storage	2 x 2.5" HDD drive bay (max. up 9.5 mm height & RAID 0,1) 1 x mSATA (enabled in BIOS setting)
Expansion Interface	2 x Full-size PCI Express Mini Card slot (USB + PCIe signal) 2 x SIM slot 1 x PCIe x4 slot
TPM	TPM 2.0
System Indicator	1 x Green LED for system power-on 1 x Green LED for HDD active 4 x Green LED for programmable
Power Input	24 VDC

Specifications

Operating Temperature	-40°C to +70°C (-40°F to +158°F)(with W.T. DRAM & SSD)
Humidity	10% - 90%, non-condensing
Shock Vibration	IEC 60068-2-27 (w/ SSD: 50G@wall mount, half-sine, 11 ms duration)
Vibration Endurance	IEC 60068-2-64 (w/ SSD: 3Grms STD, random, 5 - 500 Hz, 1 hr/axis)
Dimensions	280 mm (11.02") (W) x 210 mm (8.26") (D) x 80.5 mm (3.16") (H)
Weight (net/gross)	4.8 kg (10.58 lb)/5.6 kg (12.34 lb)
Certifications	CE, FCC Class A, UKCA
EOS Support	Win 10 IoT, Win 11 IoT, Linux
Software Support	AXView

* W.T.: Wide Temperature. All W.T. supported products have to be sorted by Axiomtek.
* ECC memory can be supported by Intel® Xeon® and i3 processor only.

Packing List

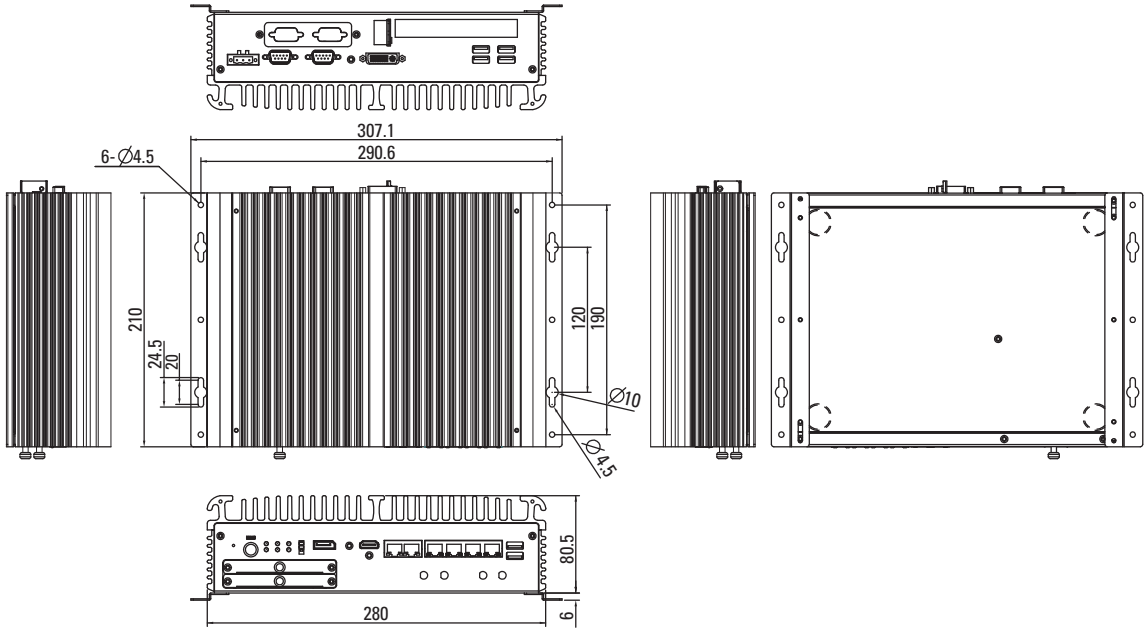
1 x Screw pack
4 x Pre-installed foot pad
1 x 3-pin terminal block connector
1 x Remote power switch cable

Power Protection

DC Version
OVP (over voltage protection)
UVP (under voltage protection)
OCP (over current protection)
SCP (short circuit protection)
Reverse protection

Ordering Information

Standard	
eBOX710-521-FL-PCIE-DC (P/N: E36K710100)	Fanless embedded system with LGA1151 Intel® Xeon®, 9th/8th gen Intel® Core™ i7/i5/i3 or Celeron® processor, Intel® C246, ECC/non-ECC memory, 1 PCIe x4 slot, and 24 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 module
509000001500	24V 120W adapter
	Power cord
E392903102	AX92903 CANBus PCI Express Mini module
E392902103	AX92902 LAN PCI Express Mini module
59406392140E	RS-232 cable, L=200 mm for optional 2x COM port (COM3/4)
592000000100	DIO cable,DB9(F) for optional 8-CH DIO (4in/4out)
E392905103	3.5 mm audio I/O & half 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