

# 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 3.2 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 & i219-LM) 4 x USB 3.1 Gen2, 2 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 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) 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
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
EOS Support	Win 10 IoT, Linux
Software Support	AMS.AXView

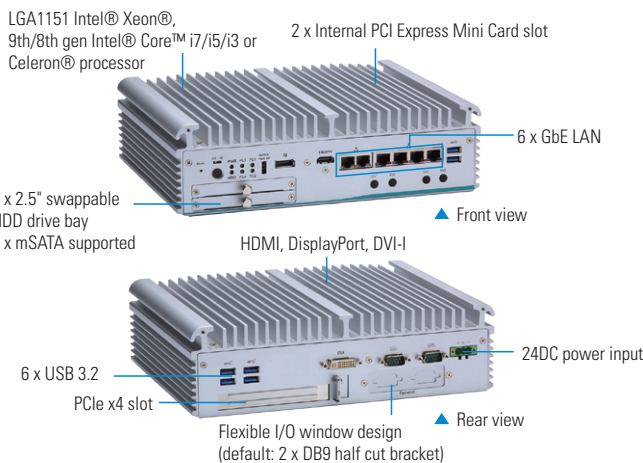
\* W.T.: Wide Temperature. All W.T. supported products have to be sorted by Axiomtek.  
\* ECC memory can be supported by Intel® Xeon® and i3 processor only.

## Packing List

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



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## Power Protection

### DC Version

OVP (over voltage protection)  
UVP (under voltage protection)  
OCP (over current protection)  
SCP (short circuit protection)  
Reserve 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	4GB to 32GB
mSATA	64GB or above
8816K6718A0E	Wall mount kit
8816K671CA0E	DIN-rail kit
	3G/LTE module
50906D24000E	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 COM3/4
E392904102	AX92904 DIO PCI Express Mini module
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

