

eBOX700-891-FL

Fanless Embedded System with LGA1151 Socket 7th/6th Gen Intel® Core™ i7/i5/i3 & Celeron® Processor, Intel® H110, 2 HDMI, DisplayPort, 4 GbE LANs, 6 USB, PCIe x4/PCI Slot and 9 to 36 VDC

Features

- Fanless operating temperature range from -40°C to +50°C
- 7th/6th gen Intel® Core™ i7/i5/i3 & Celeron® processors
- PCIe x4 or PCI expansion slot supported
- Supports 6 USB ports and 4 GbE LANs
- 2 PCI Express Mini Card slots for WLAN/WWAN/mSATA modules
- 1 internal USB Type A connector for Dongle Kit
- AXView 2.0 intelligent remote monitoring software for IloT



Specifications

Standard Color	Silver
Construction	Aluminum extrusion and heavy-duty steel, IP40
CPU	LGA1151 socket 7th/6th gen Intel® Core™ i7/i5/i3 & Celeron® processor (CPU TDP max. up to 35 W)
System Memory	6th gen: 2 x 260-pin SO-DIMM DDR4-1866/2133, up to 32GB 7th gen: 2 x 260-pin SO-DIMM DDR4-2133/2400, up to 32GB
Chipset	Intel® H110
BIOS	AMI UEFI BIOS
System I/O Outlet	2 x RS-232/422/485 2 x HDMI (1 x HDMI 2.0 & 1 x HDMI 1.4b) 1 x DisplayPort 1 x Audio (Mic-in/Line-out) 4 x 10/100/1000 Mbps Ethernet (Intel® i210-IT, i219-LM) 4 x USB 3.0 2 x USB 2.0 4 x SMA-type antenna connector 1 x Phoenix type VDC power input connector 1 x ATX power switch 1 x Remote power switch 1 x ATX/AT quick switch 1 x Reset switch 1 x Flexible I/O window (default: 2 x DB9 half cut bracket)
Watchdog Timer	255 levels, 1 to 255 sec.
Storage	1 x 2.5" SATA HDD drive bay (max. up 15 mm height) 1 x mSATA (enabled in BIOS setting)
Expansion Interface	2 x Full-size PCI Express Mini Card slot (USB + PCI Express signal) 1 x SIM slot 1 x PCIe x4 slot or 1 x PCI slot 1 x Internal USB Type A for license dongle kit usage
TPM	N/A
System Indicator	1 x green LED for system power-on 1 x yellow LED for HDD active 4 x Programmable green LED
Power Input	9 to 36 VDC
Operating Temperature	-40°C to +50°C (-40°F to +122° F) (with W.T. SSD/DRAM)
Humidity	10% to 90%, non-condensing
Vibration Endurance	3 Grms with SSD (5 to 500Hz, X, Y, Z directions)
Dimensions	280 mm (11.02") (W) x 190 mm (7.48") (D) x 76 mm (2.99") (H)
Weight (net/gross)	3.8 kg (8.37 lb)/4.6 kg (10.14 lb)
Certifications	CE, FCC Class A
EOS Support	Win 10 IoT, Linux, AXView 2.0

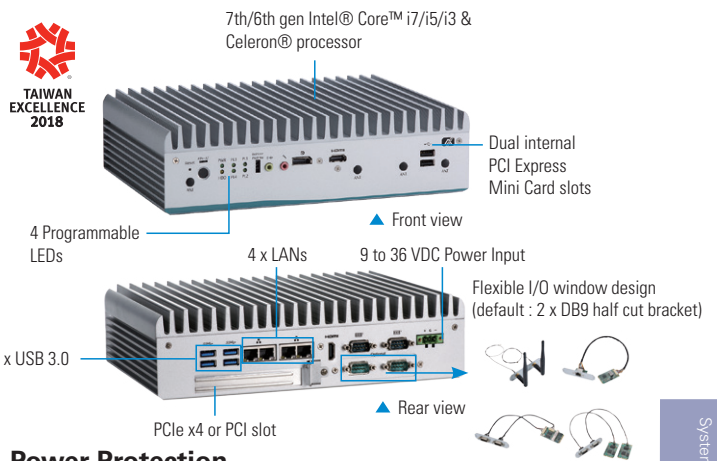
* W.T.: Wide Temperature. All W.T. supported products have to be sorted by Axiomtek.

Packing List

- 1 x Quick manual
- 1 x Driver CD
- 1 x Remote power cable
- 1 x Terminal block connector
- 4 x Pre-installed foot pad

Updated Jun. 19, 2019.

* All specifications and photos are subject to change without notice.



Power Protection

DC Version

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

Ordering Information

Standard

eBOX700-891-FL-PCIe-DC	Fanless embedded system with LGA1151 socket 7th/6th gen Intel® Core™ i7/i5/i3 & Celeron® processor, Intel® H110, 2 HDMI, DisplayPort, 4 GbE LANs, 6 USB, PCIe x4 expansion and 9 to 36 VDC
eBOX700-891-FL-PCI-DC	Fanless embedded system with LGA1151 socket 7th/6th gen Intel® Core™ i7/i5/i3 & Celeron® processor, Intel® H110, 2 HDMI, DisplayPort, 4 GbE LANs, 6 USB, PCI expansion and 9 to 36 VDC

Optional

2.5" SATA HDD	80GB or above
2.5" SATA SSD	100GB or above
DDR4 SO-DIMM	4GB to 16GB
8816K6603A0E	Wi-Fi module
	3G/LTE module
8816K7000A0E	Wall mount kit
8816K6702A0E	DIN-rail kit
50906D24000E	24V 120W adapter
E392903102	AX92903 CANbus PCI Express Mini module
E392903103	AX92903 CAN module with CANOpen
E392902103	AX92902 LAN PCI Express Mini module
E392906101	AX92906 COM PCI Express Mini module
E392904102	AX92904 DIO PCI Express Mini module

* Specifications and certifications may vary based on different requirements.

Dimensions

