eBOX671-517-FL

Fanless Embedded System with LGA1151 Socket 7th/6th Gen Intel® Core™ i7/i5/i3 & Celeron® Processor, Intel® Q170, HDMI, DVI-D, VGA, 8-CH PoE, 6 USB and 24 VDC

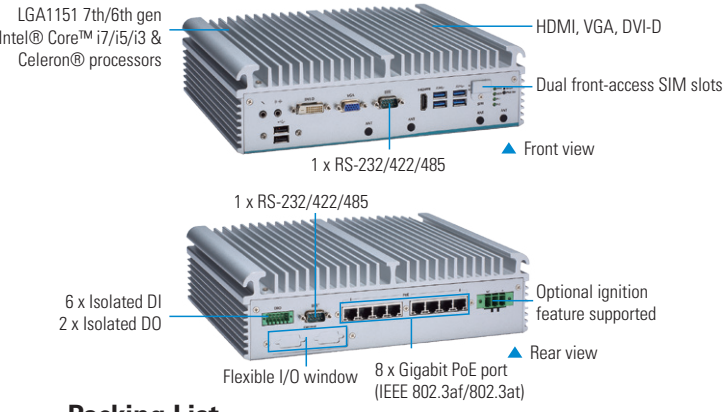
Features

- 7th/6th gen Intel® Core™ i7/i5/i3 & Celeron® processors (35W/65W) and Intel® Q170
- 8-CH PoE/GbE onboard
- 2 front-access SIM slots
- Supports 6-in/2-out isolated DIO
- -40°C to +70°C extended operating temperature
- Optional ignition feature supported

Specifications

Standard Color	Silver
Construction	Aluminum extrusion and heavy-duty steel, IP40
CPU	LGA1151 socket 7th/6th gen Intel® Core™ i7/i5/i3 & Celeron® processors (35W/65W)
System Memory	2 x 260-pin DDR4 non-ECC SO-DIMM, up to 32GB
Chipset	Intel® Q170
BIOS	AMI UEFI BIOS
System I/O Outlet	2 x RS-232/422/485 1 x HDMI 1.4b, 1 x VGA, 1 x DVI-D 1 x Audio (Line-out & MIC-in) 8 x Gigabit PoE (IEEE 802.3af/802.3at) port (Intel® i211-AT, max. up to 90W) 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 6-in/2-out isolated DIO 1 x Power 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	2 x SATA HDD drive bay (max. up 15 mm height & RAID 0 & 1) 1 x mSATA (enabled in BIOS setting)
Expansion Interface	2 x Full-size PCI Express Mini Card slot (USB + PCI Express signal) 1 x Half-size PCI Express Mini Card slot (mSATA + USB + PCI Express signal) 1 x Half-size PCI Express Mini Card (USB signal) 2 x External accessible SIM slot
TPM	N/A
System Indicator	1 x Green LED for system power-on 1 x Yellow LED for HDD active 2 x Programmable green LED
Power Input	24 VDC (ACC is disabled by default)
Operating Temperature	35W Tj=100°C CPU: -40°C to +70°C (-40°F to +158°F) with W.T. SSD 65W Tj=100°C CPU: -40°C to +55°C (-40°F to +131°F) with W.T. SSD 35W Tj=80°C CPU: -40°C to +50°C (-40°F to +122°F) with W.T. SSD
Humidity	10% - 90%, non-condensing
Shock	IEC 60068-2-27 (with SSD: 50G, half sine, 11 ms duration)
Vibration Endurance	IEC 60068-2-64 (with SSD: 3Grms STD, random, 5 - 500 Hz, 1 hr/axis)
Dimensions	280 mm (11.2") (W) x 210 mm (8.26") (D) x 79.6 mm (3.13") (H)
Weight (net/gross)	4.31 kg (9.5 lb)/5.1 kg (11.24 lb)
Certifications	CE, FCC Class A
EOS Support	Win 10 IoT, Linux
Software Support	AMS.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 Terminal block connector
4 x Pre-installed foot pad

Power Protection

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

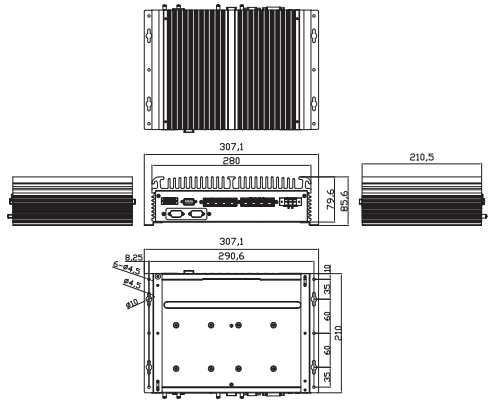
Ordering Information

Standard	
eBOX671-517-FL-DC	Fanless embedded system with LGA1151 socket 7th/6th gen Intel® Core™ i7/i5/i3 & Celeron® processors, Intel® Q170, VGA, DVI-D, HDMI, 8-CH PoE, 6 USB and 24 VDC

Optional	
2.5" SATA HDD	80GB or above
2.5" SATA SSD	100GB or above
DDR4 SO-DIMM	4GB to 16GB
mSATA	64GB or above
	Wi-Fi module
	3G/LTE module
	Wall mount kit
	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



Updated Sep. 10, 2019.
* All specifications and photos are subject to change without notice.

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