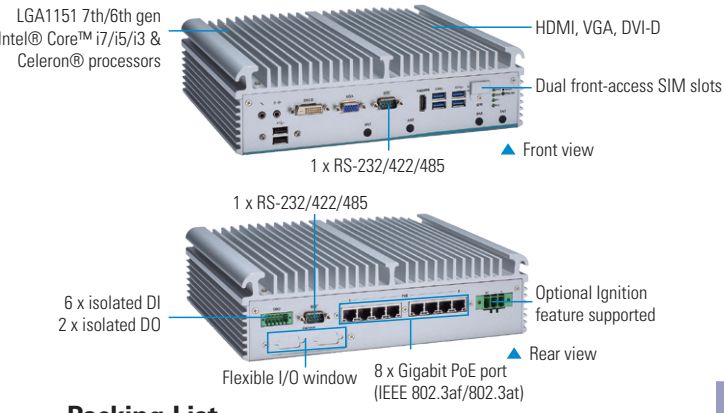
# eBOX671-517-FL NEW

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<br>1 x HDMI 1.4b<br>1 x VGA<br>1 x DVI-D<br>1 x Audio (Line-out & MIC-in)<br>8 x Gigabit PoE (IEEE 802.3af/802.3at) port (Intel® i211-AT, max. up to 90W)<br>4 x USB 3.0<br>2 x USB 2.0<br>4 x SMA-type antenna connector<br>1 x Phoenix type VDC power input connector<br>1 x 6-in/2-out isolated DIO<br>1 x Power switch<br>1 x Reset switch<br>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)<br>1 x mSATA (enabled in BIOS setting) |
| Expansion Interface | 2 x Full-size PCI Express Mini Card slot (USB + PCIe + SIM)<br>1 x Half-size PCI Express Mini Card slot (USB only)<br>1 x Half-size PCI Express Mini Card slot (USB + PCIe + mSATA) |
| TPM | N/A |
| System Indicator | 1 x green LED for system power-on<br>1 x yellow LED for HDD active<br>2 x Programmable green LED |
| Power Input | 24 VDC (ACC is disabled by default) |
| Operating Temperature | 35W Tj=100°C CPU:<br>-40°C to +70°C (-40°F to +158°F) with W.T. SSD<br>65W Tj=100°C CPU:<br>-40°C to +55°C (-40°F to +131°F) with W.T. SSD<br>35W Tj=80°C CPU:<br>-40°C to +50°C (-40°F to +122°F) with W.T. SSD |
| Humidity | 10% to 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, 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)

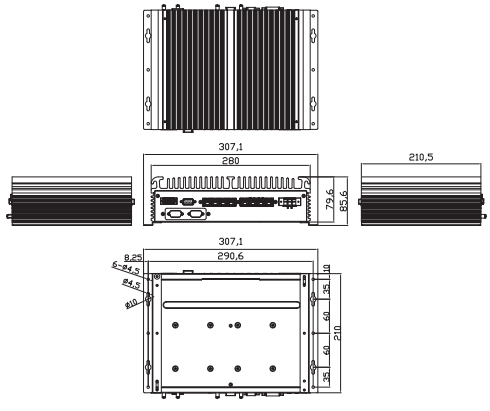
### Ordering Information

| **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







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

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