

eBOX670-891-FL

Fanless Embedded System with LGA1151 Socket 7th/6th Gen Intel® Core™ & Celeron® Processor, Intel® Q170, 2 HDMI, DisplayPort, 4 GbE LAN, 8 USB, 2 PCI Express Mini Card Slots

Features

- LGA1151 socket 7th/6th gen Intel® Core™ i7/i5/i3 & Celeron® processors (Kaby Lake/Skylake)
- 1 DisplayPort and 2 HDMI (1 HDMI 2.0) with triple view supported
- Supports Jumbo Frame (9.5k), WoL, PXE Remote Boot, Teaming
- 9 to 36 VDC wide range power input
- Flexible I/O window design
- AMS.AXView intelligent remote monitoring software for IIoT



Specifications

Standard Color	Silver-black
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 35W)
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® Q170
BIOS	AMI
System I/O Outlet	2 x RS-232/422/485 (onboard) 2 x RS-232/422/485 (via cable on flexible IO window) 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) 6 x USB 3.0 & 2 x USB 2.0 32-channel programmable DI/DO 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 AT/ATX quick switch 1 x Reset switch 1 x Flexible I/O window (default : 2 x COM port)
Watchdog Timer	255 levels, 1 to 255 sec.
Storage	2 x 2.5" SATA HDD drive bay (max. up 15 mm height & Supports RAID 0 & 1) 1 x CFast™ 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
System Indicator	1 x Green LED for power-on 1 x Yellow LED for HDD active 4 x Green LED for programmable
TPM	N/A
Power Input	9 to 36 VDC
Operating Temperature	-40°C to +60°C (-40°F to +140°F) (with W.T. DRAM/SSD for Skylake) -40°C to +55°C (-40°F to +131°F) (with W.T. DRAM/SSD for Kaby Lake)
Humidity	10% - 95%, non-condensing
Vibration Endurance	3 Grms with CFast™ (5 to 500 Hz, 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	UL62368-1 certified, CE, FCC Class A
EOS Support	WE8S, Win 10 IoT, Linux
Software Support	AMS.AXView

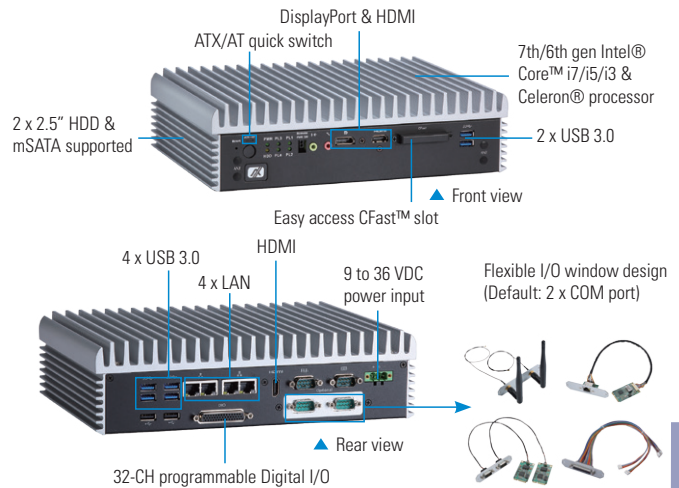
* W.T.: Wide Temperature. All W.T. supported products have to be sorted by Axiomtek.

Packing List

1 x Quick manual	1 x Terminal block connector
1 x Driver CD	1 x Remote switch cable
1 x Screw pack	2 x HDD bracket
4 x Pre-installed foot pad	1 x CPU thermal pad

Updated Jul. 20, 2020.

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



Power Protection

DC Version

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

Ordering Information

Standard

eBOX670-891-FL-DC-Flexible IO	Fanless embedded system with LGA1151 socket 7th/6th gen Intel® Core™ i7/i5/i3 & Celeron® processor, Intel® Q170, 2 HDMI, DisplayPort, 4 GbE LAN, 8 USB, CFast™, dual PCI Express Mini Card slots and 9 to 36 VDC
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Optional

2.5" SATA HDD	64GB or above
2.5" SATA SSD	100GB or above
DDR4 SO-DIMM	2GB to 16GB
CFast™	64GB (W.T.)
8816K6603A0E	Wi-Fi module
	3G/LTE module
8816K6701A0E	Wall mount kit
8816K6702A0E	DIN-rail kit
50906D24000E	24V 120W power adapter
E392903102	AX92903 CANbus PCI Express Mini module
E392902103	AX92902 LAN PCI Express Mini module
E392904102	AX92904 DIO PCI Express Mini module

* Specifications and certifications may vary based on different requirements.

Dimensions

