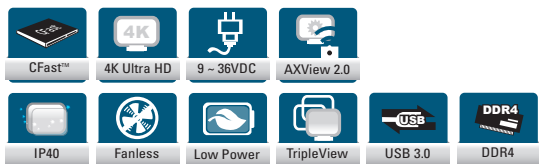


# eBOX670-891-FL

Fanless Embedded System with LGA1151 Socket 7th/6th Gen Intel® Core™ & Celeron® Processor, Intel® Q170, 2 HDMI, 1 DisplayPort, 4 GbE LANs, 6 USB 3.0, 2 PCI Express Mini Card Slots

## Features

- LGA1151 socket 7th/6th gen Intel® Core™ i7/i5/i3 & Celeron® processors (Kaby Lake/Skylake)
- 260-pin DDR4-2133 SO-DIMM, up to 32GB
- 2 PCI Express Mini Cards and 1 SIM slot
- 1 DisplayPort and 2 HDMI (1 HDMI 2.0) with triple view supported
- Supports Jumbo Frame (9.5k), WoL, PXE Remote Boot, Teaming
- 9 ~ 36 VDC wide range power input
- Flexible I/O module design
- AXView 2.0 intelligent embedded monitoring software for IIoT

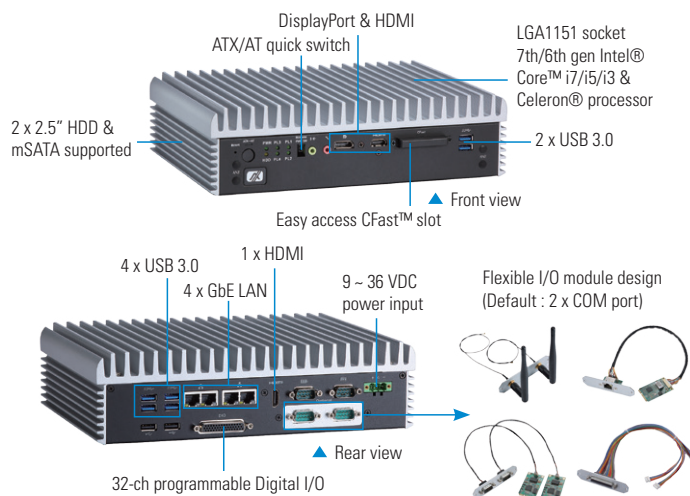


## Specifications

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	2 x 260-pin DDR4-2133 MHz SO-DIMM, 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 connector opening for antenna 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 button 1 x flexible IO window (default : 2 x COM)
Watchdog Timer	255 levels, 1 ~ 255 sec.
Storage	2 x 2.5" 9.5 mm SATA HDD drive bay (Max. up to 15 mm height & Supports RAID 0 & 1) 1 x CFast™ 1 x mSATA (optional)
Expansion Interface	2 x full-size PCI Express Mini Card slots (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
Power Supply	9 ~ 36 VDC
Operating Temperature	-40°C ~ +60°C (-40°F ~ +140°F) (with W.T. DRAM/SSD for Skylake) -40°C ~ +55°C (-40°F ~ +131°F) (with W.T. DRAM/SSD for Kaby Lake)
Humidity	10% ~ 95%, non-condensing
Vibration Endurance	3 Grms with CFast™ (5 ~ 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)
Certificate	CE, FCC Class A
EOS Support	WE8S, Win 10 IoT, Linux, AXView 2.0

## 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



## Power Protection

### DC Version

OVP (over voltage protection)  
UVP (under voltage protection)  
OCP (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 LANs, 6 USB 3.0, CFast™, dual PCI Express Mini Card slots and 9 ~ 36 VDC
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### Optional

2.5" SATA HDD	80GB or above
2.5" SATA SSD	40GB or above
DDR4 SO-DIMM	4GB ~ 16GB
CFast™	64GB (W.T.)
8816K6603A0E	Wi-Fi module
881606206A0E	3G module
8816K6701A0E	Wall mount kit
8816K6702A0E	DIN-rail kit
50906D24000E	24V 120W adapter
E392903102	AX92903 CANbus Mini PCI Express module
E392903103	AX92903 CAN module w/ CANopen
E392902103	AX92902 LAN Mini PCI Express module
E392904102	AX92904 DIO Mini PCI Express module

\*Specifications and certifications may vary according to various options.

## Dimensions

