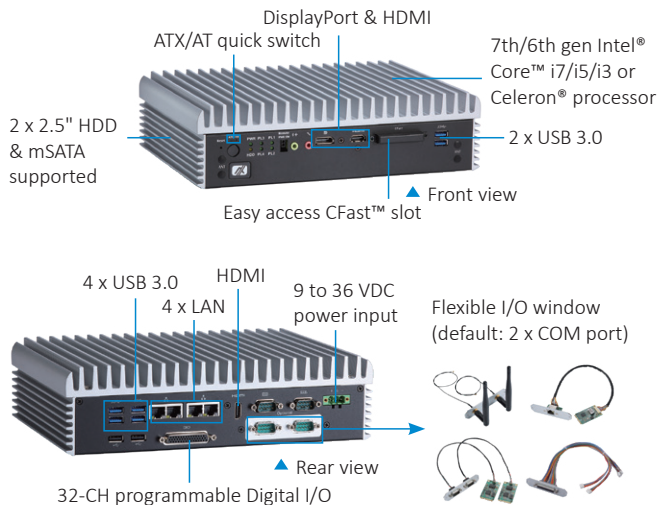


eBOX670-891-FL

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



Features

- LGA1151 socket 7th/6th gen Intel® Core™ i7/i5/i3 or Celeron® processors (Kaby Lake/Skylake)
- Triple-view support via 1 DisplayPort and 2 HDMI ports (1 HDMI 2.0)
- Supports Jumbo Frame (9.5k), WoL, PXE Remote Boot, and Teaming
- 9 to 36 VDC wide range power input
- Flexible I/O window design



Specifications

Standard Color	Silver-black
Construction	Aluminum extrusion and heavy-duty steel, IP40
CPU	LGA1151 socket 7th/6th gen Intel® Core™ i7/i5/i3 or Celeron® processor (CPU up to 35W TDP)
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 I/O window) 2 x HDMI (1 x HDMI 2.0 and 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 and Intel® I219-LM) 6 x USB 3.0 & 2 x USB 2.0 32-channel programmable DI/DO 4 x Antenna opening 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 connector 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 (up 15 mm height and 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 activity 4 x Green LED for programmable

Specifications

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% to 95%, non-condensing
Vibration Endurance	3 Grms with SSD (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, CE, FCC Class A, UKCA
EOS Support	WE8S, Win 10 IoT, Linux

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

Packing List

- 1 x Screw pack
- 4 x Pre-installed foot pad
- 1 x Terminal block connector
- 1 x Remote switch cable
- 2 x HDD bracket
- 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 (P/N: E36K670105)	Fanless embedded system with LGA1151 socket 7th/6th gen Intel® Core™ i7/i5/i3 or 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	8GB to 16GB
CFast™	64GB (W.T.)
	Wi-Fi/LTE module
E29R129106	Wall mount kit
E29R129118	DIN-rail kit
509000001500	24V 120W power adapter
	Power cord
E392903102	AX92903 CANbus PCI Express Mini module
E392902103	AX92902 LAN PCI Express Mini module
E392904102	AX92904 DIO PCI Express Mini module
E392918103	AX92918 Dual LAN PCI express Mini module

* Specifications and certifications may vary based on different requirements.

Dimensions

