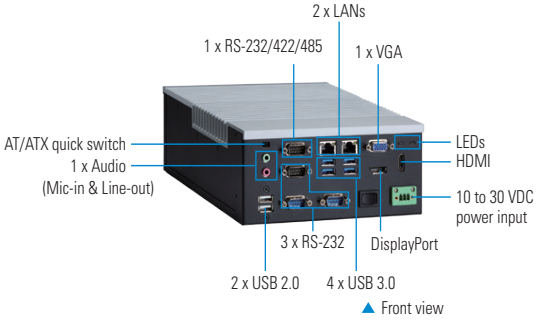
eBOX640-500-FL

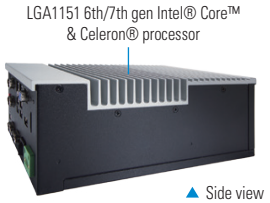
Fanless Embedded System with LGA1151 Socket 7th/6th Gen Intel® Core™ & Celeron® Processor, Intel® H110, HDMI, DisplayPort, VGA, 6 USB, 4 COM, PCI Express Mini Card Slot and 10 to 30 VDC

Features

- LGA1151 socket 7th/6th gen Intel® Core™ i7/i5/i3 & Celeron® processor (Kaby Lake/Skylake)
- Supports 4 COM, 6 USB and 2 GbE LANs
- Two 2.5" SATA drive bay
- PCI Express Mini Card slot and SIM slot
- Front I/O connectivity design
- 10 to 30 VDC wide range power input



▲ Front view



▲ Side view

Specifications

Standard Color	Silver-black
Construction	Aluminum extrusion and heavy-duty steel, IP40
CPU	7th/6th gen Intel® Core™ i7/i5/i3 & Celeron® processor (CPU TDP max. up to 35W)
System Memory	2 x 288-pin DDR4-2133 DIMM, up to 32GB
Chipset	Intel® H110
BIOS	AMI
System I/O Outlet	1 x RS-232/422/485 3 x RS-232 2 x 10/100/1000Mbps Ethernet (Intel® i219-LM, i211-AT) 2 x USB 2.0 4 x USB 3.0 1 x Audio (Mic-in/Line-out) 1 x DisplayPort 1 x HDMI 1 x VGA 1 x Phoenix type VDC power input connector 1 x AT/ATX quick switch 2 x SMA-type antenna connector 1 x ATX power switch
Watchdog Timer	255 levels, 1 to 255 sec.
Storage	2 x 2.5" SATA HDD drive bay (max. up 15 mm height) 1 x mSATA (enabled in BIOS setting)
Expansion Interface	1x Full-size PCI Express Mini Card slot with mSATA supported (PCI Express + USB signal) 1 x SIM slot
TPM	N/A
System Indicator	1 x green for system power 1 x orange LED for HDD active
Power Input	10 to 30 VDC
Operating Temperature	-10°C to +55°C (+14°F to +131°F) (with W.T. DRAM/ SSD for Skylake) -10°C to +50°C (+14°F to +122°F) (with W.T. DRAM/ SSD for Kaby Lake)
Humidity	10% to 90%, non-condensing
Vibration Endurance	2 Grms with SSD (5 to 500 Hz, X, Y, Z directions)
Dimensions	182 mm (7.16") (W) x 235.7mm (9.27") (D) x 82 mm (3.23") (H)
Weight (net/gross)	3 kg (6.61 lb)/3.6 kg (7.94 lb)
Certifications	CE
EOS support	Win 10 IoT, WE8S Linux

* 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 Screw pack
4 x Pre-installed foot pad
1 x 3-pin terminal block connector

Power Protection

DC Version
OCP (over current protection)
UVP (under voltage protection)

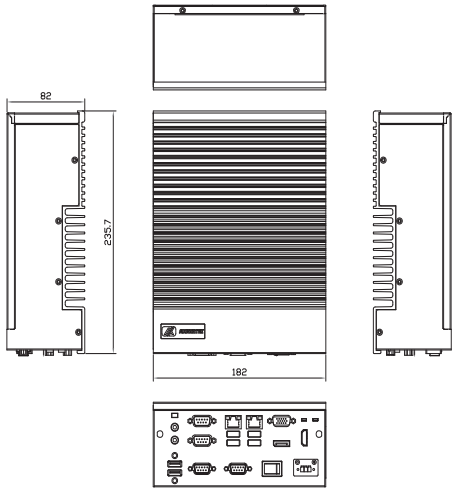
Ordering Information

Standard	
eBOX640-500-FL-DC	Fanless embedded system with LGA1151 7th/6th gen Intel® Core™ i7/i5/i3 & Celeron® processor, Intel® H110, HDMI/DP/VGA, 4 USB 3.0, 4 COM, PCI Express Mini Card slot and 10 to 30 VDC

Optional	
2.5" SATA HDD	64GB or above
2.5" SATA SSD	100GB or above
DDR4 RAM	2GB to 16GB
mSATA	64MB or above
8816K6400A0E	Wall mount kit
8816K6401A0E	DIN-rail kit
	Wi-Fi module
	3G/LTE module
50906D24000E	24V 120W adapter

* Specifications and certifications may vary based on different requirements.

Dimensions



Updated Mar. 13, 2019. * All specifications and photos are subject to change without notice. www.axiomtek.com
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US

sales@assured-systems.com

Sales: +1 347 719 4508
Support: +1 347 719 4508

1309 Coffeen Ave
Ste 1200
Sheridan
WY 82801
USA

EMEA

sales@assured-systems.com

Sales: +44 (0)1785 879 050
Support: +44 (0)1785 879 050

Unit A5 Douglas Park
Stone Business Park
Stone
ST15 0YJ
United Kingdom

VAT Number: 120 9546 28
Business Registration Number: 07699660