

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



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 to 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 235.7 mm (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, WEBS Linux |

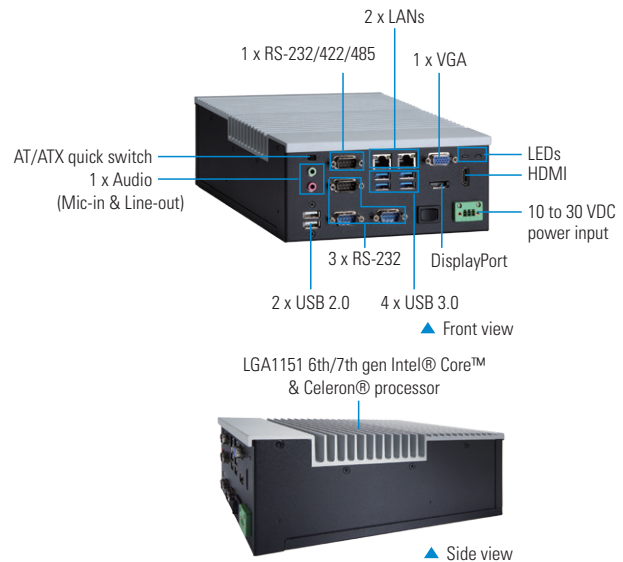
* W.T.: Wide Temperature. All W.T. supported products have to be sorted by Axiomtek.

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

Updated Mar. 13, 2019.

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



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

