

# eBOX620-841-FL

Fanless Embedded System with Intel® Atom™ Processor E3845 1.91 GHz, HDMI, VGA, 2 GbE LANs, 4 USB and 4 COM

## Features

- Intel® Atom™ E3845 1.91 GHz quad-core SoC
- 204-pin DDR3L-1066/1333 SO-DIMM, up to 8GB
- Fanless operation design with full feature I/O
- 2 RS-232/422/485 and 2 RS-232 ports
- One 2.5" SATA drive bay, 1 CFast™ slot and mSATA
- Supports 8 channel programmable DI/DO and 2 PCI Express Mini Card slots
- Supports VGA and HDMI dual display

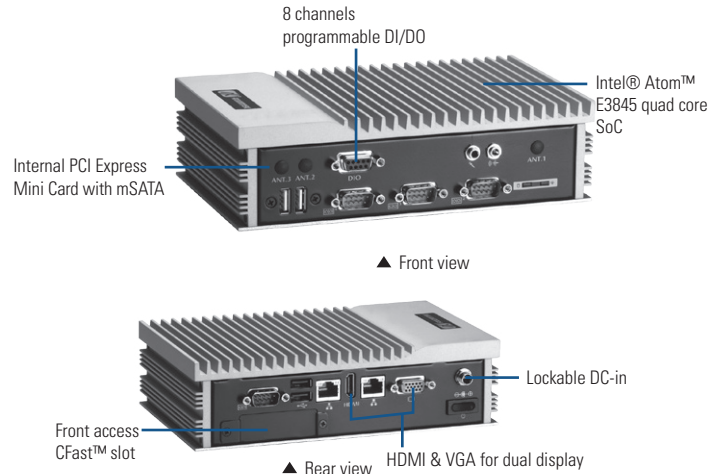


## Specifications

|                       |                                                                                                                                                                                                                                                                                                                     |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Standard Color        | Silver-Black                                                                                                                                                                                                                                                                                                        |
| Construction          | Aluminum extrusion and heavy-duty steel, IP40                                                                                                                                                                                                                                                                       |
| CPU                   | Intel® Atom™ processor E3845 1.91 GHz quad-core                                                                                                                                                                                                                                                                     |
| System Memory         | 1 x 204-pin DDR3L-1066/1333 SO-DIMM, up to 8GB                                                                                                                                                                                                                                                                      |
| Chipset               | SoC integrated                                                                                                                                                                                                                                                                                                      |
| BIOS                  | AMI                                                                                                                                                                                                                                                                                                                 |
| System I/O Outlet     | 2 x RS-232/422/485 (COM1/2)<br>2 x RS-232 (COM3/4)<br>1 x VGA<br>1 x HDMI<br>1 x Audio (Mic-in/Line-out)<br>2 x 10/100/1000 Mbps Ethernet (Intel® i210IT)<br>4 x USB 2.0<br>3 x SMA type connector opening for antenna<br>1 x VDC 12V power input connector<br>1 x ATX power switch<br>8 channel programmable DI/DO |
| Watchdog Timer        | 255 levels, 1~255 sec.                                                                                                                                                                                                                                                                                              |
| Storage               | 1 x 2.5" SATA HDD drive bay<br>1 x CFast™<br>1 x mSATA                                                                                                                                                                                                                                                              |
| Expansion Interface   | 1 x full-size PCI Express Mini Card slot (USB + PCI Express signal)<br>1 x half-size PCI Express Mini Card slot (USB + PCI Express signal)<br>1 x SIM slot                                                                                                                                                          |
| System Indicator      | 1 x green LED for system power-on<br>1 x orange LED for HDD active                                                                                                                                                                                                                                                  |
| Power Supply          | Input AC 90-264V, AC 60W adapter with lock<br>Output: DC 12V @ 5A                                                                                                                                                                                                                                                   |
| Operating Temperature | -40°C ~ +60°C (-40°F ~ +140°F)                                                                                                                                                                                                                                                                                      |
| Humidity              | 10%~90% , non-condensing                                                                                                                                                                                                                                                                                            |
| Vibration Endurance   | 3 Grms with CFast™ (5-500Hz, X, Y, Z directions)                                                                                                                                                                                                                                                                    |
| Dimensions            | 200 mm (7.87") (W) x 12 mm (4.72") (D) x 56 mm (2.2") (H)                                                                                                                                                                                                                                                           |
| Weight (net/gross)    | 2 kg (4.41 lb)/ 2.7 kg (5.95 lb)                                                                                                                                                                                                                                                                                    |
| Certificate           | CE                                                                                                                                                                                                                                                                                                                  |
| EOS Support           | WE8S, WES7                                                                                                                                                                                                                                                                                                          |

## Packing List

- 1 x Quick manual
- 1 x Driver cd
- 1 x Screw pack
- 2 x CFast™ Mylar
- 1 x HDD Mylar
- 4 x Foot pad



## Power Protection

### AC Version

- OVP (over voltage protection)
- OCP (over current protection)
- SCP (short circuit protection)

## Ordering Information

### Standard

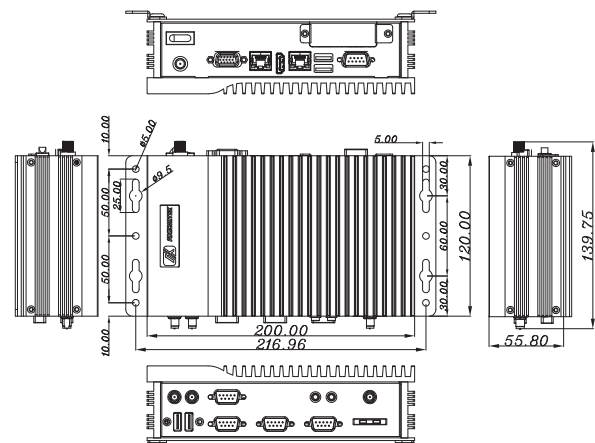
|                   |                                                                                                                                    |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------|
| eBOX620-841-FL-US | Fanless embedded system with Intel® Atom™ E3845 1.91 GHz, VGA, HDMI, 2 GbE LANs, 4 USB, 4 COM, 60W AC/DC adapter and US power cord |
| eBOX620-841-FL-EU | Fanless embedded system with Intel® Atom™ E3845 1.91 GHz, VGA, HDMI, 2 GbE LANs, 4 USB, 4 COM, 60W AC/DC adapter and EU power cord |

### Optional

|               |                |
|---------------|----------------|
| 2.5" SATA HDD | 40GB or above  |
| 2.5" SATA SSD | 4GB or above   |
| DDR3L SO-DIMM | 1GB ~ 8GB      |
| CFast™        | 512MB or above |
| wall mount    | 88606200010E   |
| VESA arm kit  | 88606200020E   |
| DIN-rail kit  | 88606200030E   |
| Wi-Fi module  |                |
| Power cord    |                |

\*Specifications and certifications are based on options and may vary.

## Dimensions



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