eBOX620-841-FL

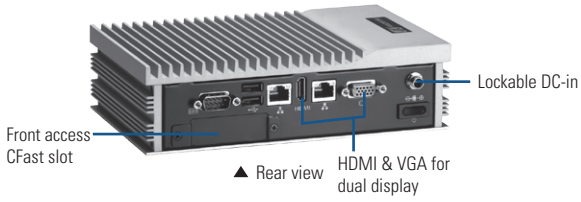
Fanless Embedded System with Intel® Atom™ Processor E3845 1.91GHz, HDMI, VGA, 2 GbE LAN, 4 USB and 4 COM

NEW

▲ Front view

Features

- Intel® Atom™ E3845 1.91GHz quad-core SoC
- High performance 204-pin DDR3L-1066/1333 SODIMM max. up to 8 GB
- Fanless operation design with full feature I/O
- 2 RS-232/422/485 and 2 RS-232
- 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



▲ Rear view

Specifications

Standard Color	Silver-Black
Construction	Aluminum extrusion and heavy-duty steel, IP40
CPU	Intel® Atom™ processor E3845 1.91GHz quad-core
System Memory	1 x 204-pin DDR3L-1066/1333 SO-DIMM max. up to 8GB
Chipset	N/A
BIOS	AMI
System I/O Outlet	2 x RS-232/422/485 (COM1/2) 2 x RS-232 (COM3/4) 1 x VGA 1 x HDMI 1 x Audio (Mic-in/Line-out) 2 x 10/100/1000Mbps Ethernet 4 x USB 2.0 3 x SMA type connector opening for antenna 1 x VDC 12V power input connector 1 x ATX power switch 8 channel programmable DI/DO
Watchdog Timer	255 levels, 1~255 sec.
Storage	1 x 2.5" SATA HDD drive bay 1 x CFast™ 1 x mSATA
Expansion Interface	1 x Full-size PCI Express Mini Card slot (USB + PCI Express signal) 1 x Half-size PCI Express Mini Card slot (USB + PCI Express signal) 1 x SIM slot
System Indicator	1 x green LED for system power-on 1 x orange LED for HDD active
Power Supply	Input AC 90-264V, AC 60W adapter with lock Output: DC 12V @ 5A
Operating Temperature	-40°C~60°C (-40°F~+140°F) (with 1. 91 GHz CPU, W.T. SSD)
Storage Temperature	-40°C~80°C (-40°F~+176°F)
Humidity	10%~90% , non-condensing
Vibration Endurance	3 Grms w/ CFast™ (5-500Hz, X, Y, Z directions)
Dimensions	200mm (7.87") (W) x 120mm (4.72") (D) x 56mm (2.2") (H)
Weight (net/gross)	2 kg(4.41 lb)/ 2.7 kg(5.95 lb)
Certification	CE
EOS Support	WES8, WES7, Linux

* XPE: Windows® XP Embedded
* WES: Windows® XP Embedded Standard
* WES7: Windows® Embedded Standard 7
* WES8: Windows® Embedded Standard 8

Packing List

1 x quick manual
1 x driver cd
1 x screw pack
2 x Cf Mylar
1 x HDD Mylar
4 x foot pad

Power Protection

DC Version
OVP (over voltage protection)
OCP (over current protection)
SCP (short circuit protection)

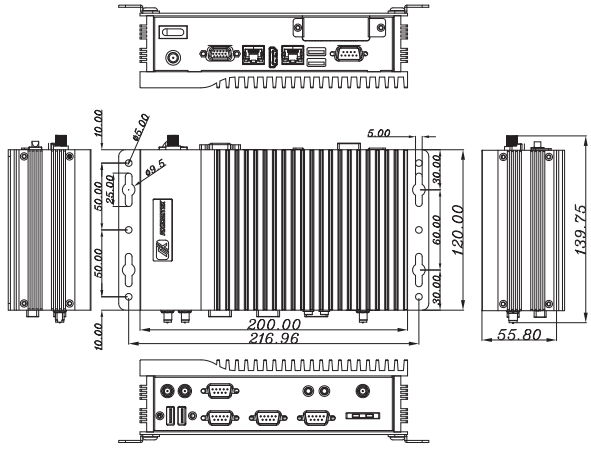
Ordering Information

Standard	
eBOX620-841-FL-US	Fanless embedded system with Intel® Atom™ E3845 1.91GHz quad-core SoC, VGA, HDMI, 2 10/100/1000Mbps, 4 USB, 4 COM ports, 60W AC/DC adapter, US power cord
eBOX620-841-FL-EU	Fanless embedded system with Intel® Atom™ E3845 1.91GHz quad-core SoC, VGA, HDMI, 2 10/100/1000Mbps, 4 USB, 4 COM ports, 60W AC/DC adapter, EU power cord

Optional	
2.5" SATA HDD	40 GB or above
2.5" SATA SSD	4 GB or above
DDR3L SODIMM	1 GB ~ 8 GB
CFast™	512 MB or above
Wall mount kit	
Wifi module	
GPS module	
Power cord	

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

Dimensions



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

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