

# eBOX530-840-FL

Fanless Embedded System with Intel® Atom™ Processor E3825 1.33 GHz, VGA or HDMI, GbE LAN, 2 COM and 4 USB

NEW



## Specifications

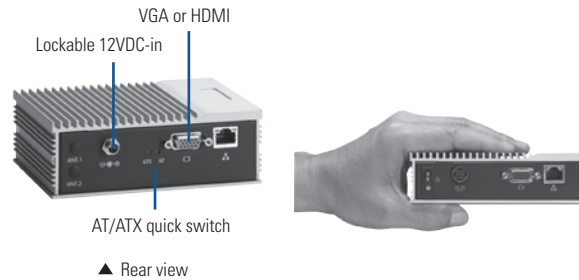
Standard Color	Silver-Black
Construction	Aluminum extrusion and heavy-duty steel, IP40
CPU	Intel® Atom™ Processor E3825 1.33 GHz dual core on board
System Memory	1 x 204-pin DDR3L 1066/1333 SO-DIMM, max. up to 8 GB
Chipset	N/A
BIOS	AMI
System I/O Outlet	2 x RS-232/422/485 1 x 10/100/1000Mbps Ethernet (Intel® i210IT) 4 x USB 2.0 1 x Audio (MIC_in/Line_out) 1 x HDMI or 1 x VGA 1 x VDC 12V power input connector 1 x AT/ATX switch 2 x SMA type connector opening for antenna
Watchdog Timer	255 levels, 1 ~ 255 sec.
Storage	1 x 2.5" SATA HDD bay, max. height 9.5mm 1 x mSATA
Expansion Interface	1 x Full-size PCI Express Mini Card slot with mSATA supported (PCI Express + USB signal)
System Indicator	1 x green for system power 1 x red LED for HDD active
Power Supply	Input: AC100-240V, AC 36W adapter with lock Output: +12VDC@3A
Operating Temperature	-20°C ~ +60°C (-4°F ~ +140°F) (with W.T. HDD, DRAM)
Storage Temperature	-40°C ~ +80°C (-40°F ~ +176°F)
Humidity	10% ~ 90%, non-condensing
Vibration Endurance	3 Grms with SSD(5-500 Hz, X, Y, Z directions)
Dimensions	132 mm (5.19") (W) x 95.4 mm (3.75") (D) x 47.5 mm (1.87") (H)
Weight (net/gross)	0.5 kg (1.1 lb)/ 0.6 kg (1.32 lb)
Certification	CE
EOS Support	WES7, WE8S, Linux

## Power Protection

OPP (over power protection)  
OVP (over voltage protection)  
SCP (short circuit protection)

## Features

- Intel® Atom™ Bay Trail-I E3825 1.33GHz dual core
- Fanless operation design with full feature I/O
- High performance 204-pin DDR3L-1333/1600 SODIMM max. up to 8 GB
- Supports 2 COM ports, 1 GbE LAN and 1 Mini PCIe slot
- Supports one AT/ATX mode quick switch
- Supports Jumbo Frame (9k), WoL, PXE Remote Boot



## Ordering Information

### Standard

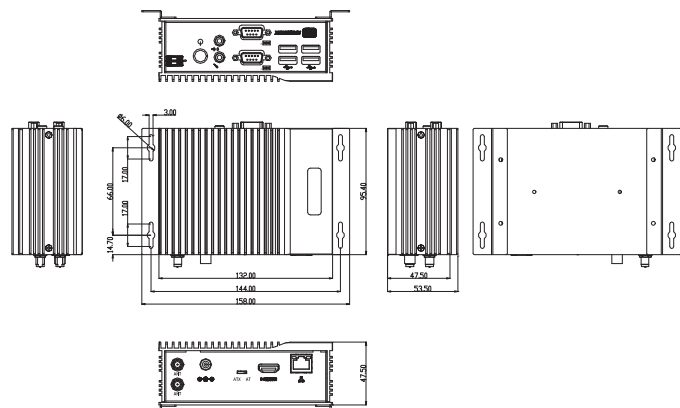
eBOX530-840-FL-E3825-VGA-US	Fanless Embedded System with Intel® Atom™ E3825 1.33 GHz, VGA, GbE LAN, 4 USB, 2 COM, 36W AC/DC adapter and US power cord
eBOX530-840-FL-E3825-VGA-EU	Fanless Embedded System with Intel® Atom™ E3825 1.33 GHz, VGA, GbE LAN, 4 USB, 2 COM, 36W AC/DC adapter and EU power cord
eBOX530-840-FL-E3825-HDMI-US	Fanless Embedded System with Intel® Atom™ E3825 1.33 GHz, HDMI, GbE LAN, 4 USB, 2 COM, 36W AC/DC adapter and US power cord
eBOX530-840-FL-E3825-HDMI-EU	Fanless Embedded System with Intel® Atom™ E3825 1.33 GHz, HDMI, GbE LAN, 4 USB, 2 COM, 36W AC/DC adapter and EU power cord

### Optional

2.5" SATA HDD	80 GB or above
2.5" SATA SSD	40 GB or above
DDR3L SODIMM	1GB ~ 4GB
mSATA	512 MB or above
Din Rail Kit	88160530000E
VESA ARM Kit	88160530040E
Power cord	
Wi-Fi Module	
3G Module	

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

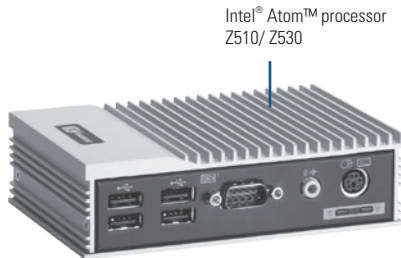
## Dimensions



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

# eBOX510-820-FL

Fanless Embedded System with Intel® Atom™ Processor Z510/ Z530 up to 1.6 GHz



▲ Front view



## Specifications

Standard Color	Silver-Black
Construction	Aluminum extrusion and heavy-duty steel, IP40
CPU	Intel® Atom™ processor Z510 (1.1 GHz) or Z530 (1.6 GHz)
System Memory	1 x 200-pin DDR2 SO-DIMM max. up to 2 GB
Chipset	Intel® US15W core logic
BIOS	Phoenix-Award
System I/O Outlet	1 x RS-232 (COM 1) 1 x VGA 1 x Audio (Line-out) 1 x PS/2 keyboard/mouse 1 x 10/100/1000Mbps Ethernet (Realtek RTL8111B) 4 x USB 2.0 1 x VDC 5V power input connector
Watchdog Timer	255 levels, 1 ~ 255 sec.
Storage	1 x CompactFlash™ slot
Expansion Interface	N/A
System Indicator	1 x green LED for system power-on 1 x orange LED for HDD active
Power Supply	Input: AC 100 ~ 240V, AC 25W adapter with lock Output: DC 5V @ 5A
Operating Temperature	0° ~ +50°C (32°F ~ 122°F) (with W.T. CF)
Storage Temperature	-20°C ~ +80°C (-4°F ~ +176°F)
Humidity	10% ~ 90%, no-condensing
Dimensions	132 mm (5.19") (W) x 95.4 mm (3.75") (D) x 37.5 mm (1.47") (H)
Weight (net/gross)	0.48 kg (1.06 lb)/ 0.5 kg (1.1 lb)
Certification	CE
EOS Support	XPE, WinCE, Linux, WES, WES7

## Packing List

- 1 x quick manual
- 1 x driver CD
- 1 x Y cable for PS/2 keyboard/mouse
- 1 x screw pack
- 4 x foot pad
- 1 x power adapter
- 1 x wall mount kit
- 1 x power cord

## Features

- Intel® Atom™ processor Z510 (1.1 GHz) or Z530 (1.6 GHz) onboard
- Intel® US15W core logic chipset
- Ultra slim and power-efficient design
- Supports 4 USB 2.0 ports and 1 COM port
- Supports 10/100/1000Mbps Ethernet
- Supports CompactFlash™



▲ Rear view

## Power Protection

### AC Version

- OVP (over voltage protection)
- SCP (short circuit protection)
- OPP (over power protection)

## Ordering Information

### Standard

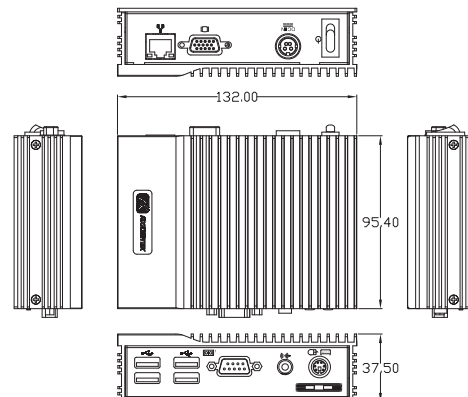
eBOX510-820-FL 1.1G	Fanless embedded system with Intel Atom processor Z510 1.1 GHz, 25W AC/DC adapter
eBOX510-820-FL 1.6G	Fanless embedded system with Intel Atom processor Z530 1.6 GHz, 25W AC/DC adapter

### Optional

DDR2 SODIMM	512 MB ~ 2 GB
CompactFlash	1 GB or above
Din rail kit	
VESA mount kit	
Power cord	

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

## Dimensions



Overview

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Embedded Systems

Embedded Systems for Transportation

Embedded Field Controllers

Embedded MicroBoxes

Industrial Barebone Systems

Industrial Chassis

Backplanes

Power Supplies

Peripherals & Accessories

