

# eBOX310-830-FL

Fanless Embedded System with Intel® Core™2 Duo processor up to 2.33 GHz and Intel® 945GME+ICH7M Chipset for Vehicle PC



Front view



Rear view



## Features

- Supports Socket M for Intel® Core™2 Duo/Core™ Duo/Core™ Solo/Celeron® M up to 2.33 GHz
- Intel® 945GME+ICH7M chipset
- ISO-7637 Pulse1/2a/3a/3b/4/5a vehicle standard
- Wide-range vehicle power supply with ignition control
- Fanless operation design with full feature I/O
- High performance DDR2 SODIMM max. up to 2 GB
- Supports 2 Express Mini Cards
- One 2.5" SATA drive bay and CompactFlash™ slot

## Specifications

Standard Color	Silver-Black	Supports	1 x CompactFlash™
Construction	Aluminum extrusion and heavy-duty steel	Expansion Interface	2 x Express Mini Card
CPU	Socket M for Intel® Core™2 Duo/Core™ Duo/Core™ Solo/Celeron® M up to 2.33 GHz/ULV Celeron® (423) 1.06 GHz processor	System Indicator	1 x green LED for system power-on 1 x orange LED for HDD active 1 x green LED for Power status
System Memory	1 x 200-pin DDR2 SODIMM max. up to 2 GB	Power Supply	9-36Vdc-in ISO-7637 standard support
Chipset	Intel® 945GME+ICH7M	Operating Temperature	0° C - +50° C (32° F - 122° F) (with W.T. HDD)
BIOS	AMI 8Mbit with RPL/PXE LAN boot ROM	Storage Temperature	-20° C - +80° C (-4° F - +176° F)
System I/O Outlet	3 x RS-232 (COM1/2/3) 1 x VGA 1 x Audio (Mic-in/Line-out) 1 x PS/2 keyboard/mouse 2 x 10/100/1000Mbps Ethernet 2 x USB 2.0 1 x SMA type connector opening 1 x V <sub>dc</sub> power input connector	Humidity	10% - 90% , non-condensing
Watchdog Timer	255 levels, 0-255 sec.	Vibration Endurance	2Grms with HDD (5-500Hz, X, Y, Z directions)
Storage Supports	1 x 2.5" SATA HDD drive bay	Dimensions	224.1 mm (8.82") (W) x 250 mm (9.84") (D) x 66.5 mm (2.62") (H)
		Weight	3 kg (6.61 lb) / 3.8 kg (8.37 lb)
		Certification	CE
		EOS Support	XPE, WinCE, Linux

\*W.T.: Wide Temperature. All W.T. supported products have to be sorted by AXIOMTEK.  
\*\*XPE: Windows® XP Embedded

## Ordering Information

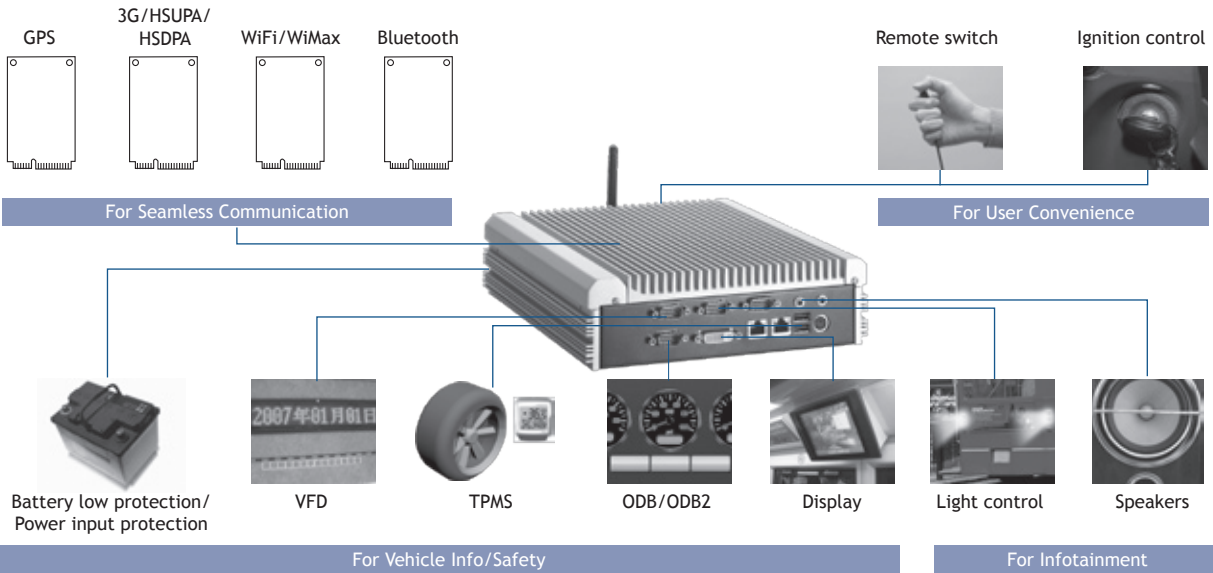
Standard	
eBOX310-830-FL -1.06G	Fanless embedded system with ULV Intel® Celeron® M processor (423) 1.06 GHz processor
eBOX310-830-FL	Fanless embedded system with socket M for Intel® Core™ Duo/Core™2 Duo/Core™ Solo/ Celeron™ M processor
Optional	
2.5" HDD	40 GB-160 GB
DDR2 SODIMM	256 MB-2 GB
Wall mount kit	

\*Specifications and certifications are limited to optional.

## Packing List

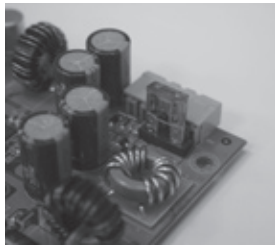
1 x Quick manual
1 x Driver CD
1 x Y cable for PS/2 keyboard/mouse
1 x Screw pack
4 x Foot pad
4 x HDD anti-vibration damper

## Expansion & Installation



## Power Protection

- ISO7637 Pluse1/2a/3a/3b/4/5a
- OVP (over voltage protection)
- UVP (under voltage protection)
- OCP (over current protection)
- OTP (over temp. protection)
- OPP (over power protection)
- OLD (over load protection)
- SCP (short circuit protection)
- Reverse protection
- Battery-low protection

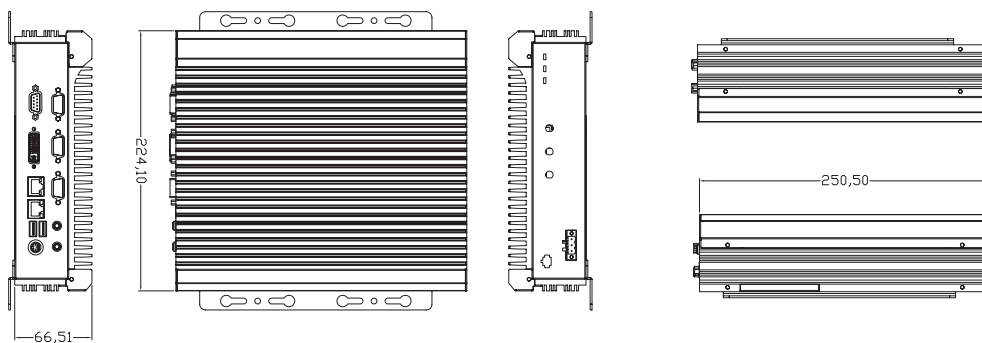


## Programmable Setting

- Built-in MCU micro processor for power control
- Ready tool for below function modification:
  - On-line monitoring of power & temperature status
  - Ignition-control counter setting
  - Thermal protection setting
  - Battery-low protection setting
  - Event log file for easy debugging



## Dimensions



Embedded Systems

Embedded Field Controllers

Embedded MicroBoxes

Industrial Barebone Systems

Industrial Chassis

Industrial Workstations

Backplanes

Power Supplies

Peripherals & Accessories