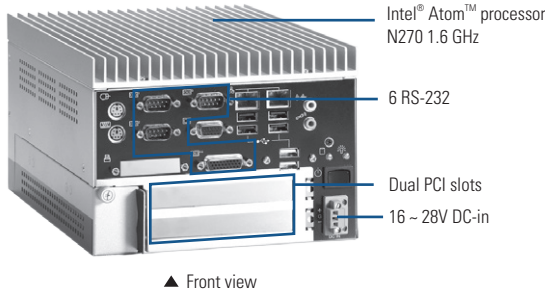


# eBOX639-836-FL

Fanless Embedded System with Intel® Atom™ Processor N270 1.6 GHz and 2 PCI Slots



## Specifications

Standard Color	Silver-Black
Construction	Aluminum extrusion and heavy-duty steel, IP30
CPU	Intel® Atom™ processor N270 1.6 GHz onboard
System Memory	1 x 240-pin DDR2 DIMM max. up to 2 GB
Chipset	Intel® 945GSE + ICH7M
BIOS	AMI 8Mbit with RPL/PXE LAN boot ROM
System I/O Outlet	1 x RS-232/422/485 (COM 1) 5 x RS-232 (COM 2-6, COM 4-6 through 26-pin high density connector) 1 x VGA 1 x Audio (Mic-in/Line-out) 1 x PS/2 keyboard 1 x PS/2 mouse 2 x 10/100/1000Mbps Ethernet (Realtek RTL8111B) 6 x USB 2.0 1 x VDC power input connector (DC version) 1 x screw lock adapter connector (AC version)
Watchdog Timer	255 levels, 1 ~ 255 sec.
Storage	1 x 2.5" SATA HDD drive bay 1 x CompactFlash™ slot
Expansion Interface	2 x 32 bit/33 MHz PCI slots, support max. length of 200 mm of PCB boards expansion
System Indicator	1 x green LED for system power-on 1 x orange LED for HDD active
Power Supply	DC ATX 107 W Input: 16 ~ 28VDC Output: +3.3VDC @ 6A, +5VDC @ 9A, +12VDC @ 3A, -12V @ 0.1A, +5Vsb @ 1A,
Operating Temperature	-10°C ~ +55°C (14°F ~ 131°F) (with 1.6 GHz CPU, W.T. HDD, DC 19V)
Storage Temperature	-20°C ~ +80°C (-4°F ~ +176°F)
Humidity	10% ~ 90%, non-condensing
Vibration Endurance	1 Grms with HDD (5 ~ 500 Hz, X, Y, Z directions)
Dimensions	182 mm (7.17") (W) x 230 mm (9.06") (D) x 130.8 mm (5.15") (H)
Weight (net/gross)	4.1 kg (9.04 lb)/4.8 kg (10.58 lb)
Certification	CE
EOS Support	XPE, WinCE, Linux, WES

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

## Packing List

- 1 x quick manual
- 1 x driver CD
- 1 x screw pack
- 4 x foot pad
- 4 x HDD anti-vibration damper
- 1 x High-density COM 4-COM 6 cable
- 1 x DC-in connector

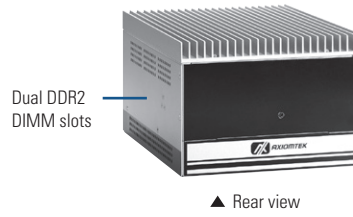
\* All specifications and photos are subject to change without notice.  
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## Features

- Intel® Atom™ processor N270 1.6 GHz onboard
- Intel® 945GSE + ICH7M chipset
- Fanless operation design with full feature I/O
- Supports two 32 bit/33 MHz PCI slots
- DDR2 DIMM max. up to 2 GB
- One 2.5" SATA drive bay
- ATX 107W 16V ~ 28V DC-in power supply, optional with AC-to-DC adapter



## Power Protection

### AC Version

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

### DC Version

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

## Ordering Information

### Standard

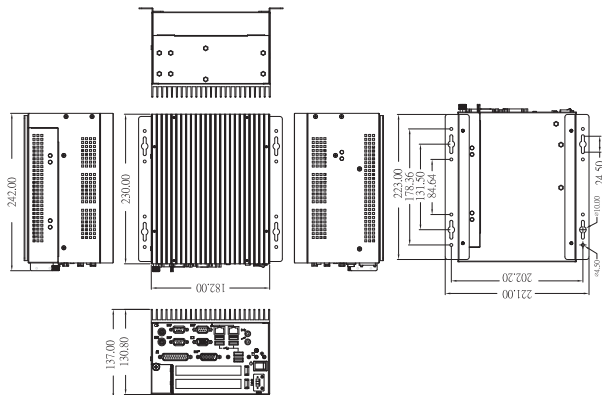
eBOX639-836-FL1.6G DC Fanless embedded system with Intel® Atom™ processor N270 1.6 GHz and DC-in ATX 107W PSU

### Optional

2.5" SATA HDD	40 GB or above
2.5" SATA SSD	4 GB or above
DDR2 DIMM	512 MB ~ 2 GB
CompactFlash™	256 MB or above
AC power kit	
Power cord	
Wall mount bracket	

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

## Dimensions



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Overview

Embedded Systems

Embedded Systems for Transportation

Embedded Field Controllers

Embedded MicroBoxes

Industrial Barebone Systems

Industrial Chassis

Backplanes

Power Supplies

Peripherals & Accessories