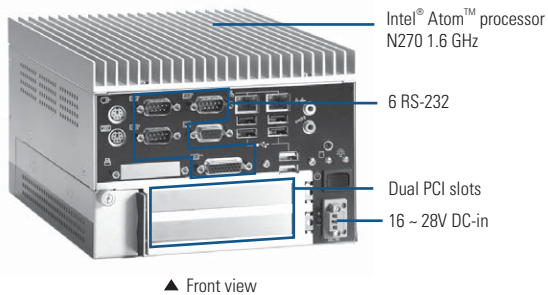


# eBOX639-836-FL

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



▲ Front view



## 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)<br>5 x RS-232 (COM 2-6, COM 4-6 through 26-pin high density connector)<br>1 x VGA<br>1 x Audio (Mic-in/Line-out)<br>1 x PS/2 keyboard<br>1 x PS/2 mouse<br>2 x 10/100/1000Mbps Ethernet (Realtek RTL8111B)<br>6 x USB 2.0<br>1 x VDC power input connector (DC version)<br>1 x screw lock adapter connector (AC version) |
| Watchdog Timer        | 255 levels, 1 ~ 255 sec.  |
| Storage               | 1 x 2.5" SATA HDD drive bay<br>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<br>1 x orange LED for HDD active  |
| Power Supply          | DC ATX 107 W<br>Input: 16 ~ 28VDC<br>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

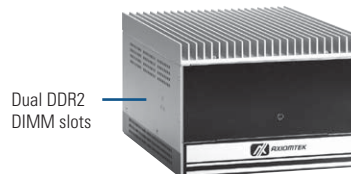
## Packing List

- 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



▲ Rear view

## 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

