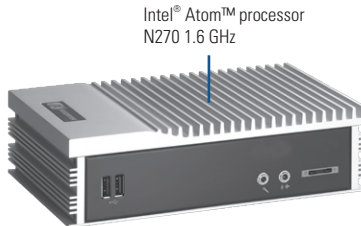


# eBOX621-831-FL

Fanless Embedded System with Intel® Atom™ Processor N270 1.6 GHz and 9 ~ 34VDC Input



▲ Front view



IP40

Fanless

Low Power

## Specifications

|                       |                                                                                                                                                                                                     |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Standard Color        | Silver-Black                                                                                                                                                                                        |
| Construction          | Aluminum extrusion and heavy-duty steel, IP40                                                                                                                                                       |
| CPU                   | Intel® Atom™ processor N270 1.6 GHz                                                                                                                                                                 |
| System Memory         | 1 x 200-pin DDR2 SO-DIMM max. up to 2 GB                                                                                                                                                            |
| Chipset               | Intel® 945GSE + ICH7M                                                                                                                                                                               |
| BIOS                  | AMI 8Mbit with RPL/PXE LAN boot ROM                                                                                                                                                                 |
| System I/O Outlet     | 3 x RS-232 (COM 1/2/3)<br>1 x VGA<br>1 x Audio (Mic-in/Line-out)<br>1 x PS/2 keyboard/mouse<br>2 x 10/100/1000Mbps Ethernet<br>4 x USB 2.0<br>1 x VDC power input connector<br>1 x ATX power switch |
| Watchdog Timer        | 255 levels, 1 ~ 255 sec.                                                                                                                                                                            |
| Storage               | 1 x 2.5" SATA HDD drive bay<br>1 x CompactFlash™                                                                                                                                                    |
| Expansion Interface   | N/A                                                                                                                                                                                                 |
| System Indicator      | 1 x green LED for system power-on<br>1 x orange LED for HDD active                                                                                                                                  |
| Power Supply          | 9 ~ 34VDC-in 42.5W                                                                                                                                                                                  |
| Operating Temperature | -10°C ~ +50°C (14°F ~ 122°F) (with 1.6 GHz CPU, W.T. HDD)                                                                                                                                           |
| Storage Temperature   | -20°C ~ +80°C (-4°F ~ +176°F)                                                                                                                                                                       |
| Humidity              | 10% ~ 90%, non-condensing                                                                                                                                                                           |
| Vibration Endurance   | 2 Grms with CF (5 - 500 Hz, X, Y, Z directions)                                                                                                                                                     |
| Dimensions            | 200 mm (7.87") (W) x 120 mm (4.72") (D) x 56 mm (2.2") (H)                                                                                                                                          |
| Weight (net/gross)    | 1.8 kg (3.97 lb)/2.6 kg (5.73 lb)                                                                                                                                                                   |
| Certification         | CE                                                                                                                                                                                                  |
| EOS Support           | XPE, WinCE, Linux                                                                                                                                                                                   |

\* XPE: Windows® XP Embedded

## 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  
2 x CF mylar

## Features

- Intel® Atom™ processor N270 1.6 GHz onboard
- Intel® 945GSE + ICH7M chipset
- Fanless operation design with full feature I/O
- 1 2.5" SATA drive bay
- 9 ~ 34VDC wide range DC input



Front access CF slot

DC 9-34V in

▲ Rear view

## Power Protection

### DC Version

EMI suppression filter  
OVP (over voltage protection)  
UVP (under voltage protection)  
OCP (over current protection)  
Reverse protection

## Ordering Information

### Standard

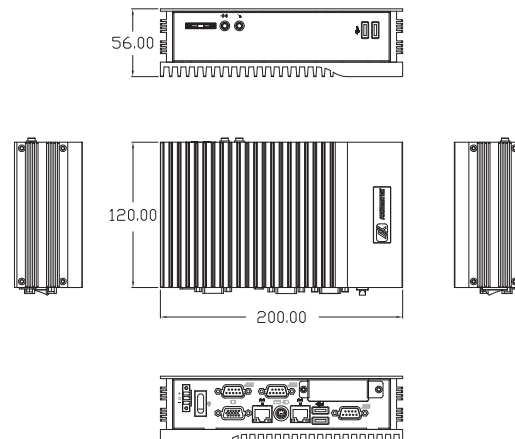
|                              |                                                                                                |
|------------------------------|------------------------------------------------------------------------------------------------|
| eBOX621-831-FL-1.6G          | Fanless embedded system with Intel® Atom™ processor N270 1.6 GHz, 9 ~ 34VDC input              |
| eBOX621-831-FL-1.6G w/o Logo | Fanless embedded system with Intel® Atom™ processor N270 1.6 GHz, 9 ~ 34VDC input and w/o logo |

### Optional

|                |                 |
|----------------|-----------------|
| 2.5" SATA HDD  | 40 GB or above  |
| 2.5" SATA SSD  | 4 GB or above   |
| DDR2 SODIMM    | 256 MB ~ 2 GB   |
| CompactFlash™  | 256 MB or above |
| Din rail kit   |                 |
| Wall mount kit |                 |
| VESA mount kit |                 |

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

## Dimensions



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