

# eBOX639-830-FL

Fanless Embedded System with Intel® Atom™ Processor D2550 1.86 GHz, 1 LPT and 2 PCI slots

## Features

- Intel® Atom™ processor D2550 1.86 GHz dual core onboard
- Fanless operation design with full feature I/O
- 204-pin DDR3-1066 SO-DIMM, up to 4GB
- One 2.5" SATA drive bay
- 2 PCI slots and 1 internal PCI Express Mini Card slot
- Supports Jumbo Frame

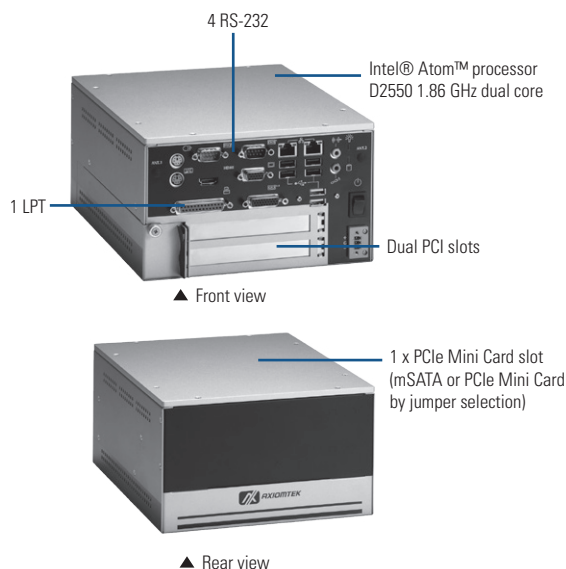


## Specifications

|                       |                                                                                                                                                                                                                                                                                             |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Standard Color        | Silver-Black                                                                                                                                                                                                                                                                                |
| Construction          | Aluminum extrusion and heavy-duty steel, IP30                                                                                                                                                                                                                                               |
| CPU                   | Intel® Atom™ processor D2550 1.86 GHz dual core                                                                                                                                                                                                                                             |
| System Memory         | 1 x 204-pin DDR3-1066 SO-DIMM. up to 4GB                                                                                                                                                                                                                                                    |
| Chipset               | Intel® NM10                                                                                                                                                                                                                                                                                 |
| BIOS                  | AMI                                                                                                                                                                                                                                                                                         |
| System I/O Outlet     | 2 x 10/100/1000Mbps Ethernet (RTL8111E)<br>4 x RS-232<br>6 x USB 2.0<br>1 x Audio (Mic-in/Line-out)<br>1 x PS/2 for Keyboard<br>1 x PS/2 for Mouse<br>1 x VGA<br>1 x HDMI<br>1 x LPT<br>1 x VDC power input connector<br>1 x ATX Power Switch<br>2 x SMA type connector opening for antenna |
| Watchdog Timer        | 255 levels, 1 ~ 255 sec.                                                                                                                                                                                                                                                                    |
| Storage               | 1 x 2.5" SATA HDD drive bay                                                                                                                                                                                                                                                                 |
| Expansion Interface   | 2 x 32-bit/33 MHz PCI slots, support max. length of 200 mm of PCB boards expansion<br>1 x full-size PCIe mini card (mSATA or PCIe mini card by jumper selection)                                                                                                                            |
| System Indicator      | 1 x orange LED for HDD active<br>1 x green LED for system power                                                                                                                                                                                                                             |
| Power Supply          | DC ATX 107W<br>Input: DC 16~28VDC<br>Output: +3.3VDC @ 6A, +5VDC @ 9A, +12VDC @ 3A, -12VDC @ 0.1A, +5Vsb @ 1A                                                                                                                                                                               |
| Operating Temperature | -10°C ~ +50°C (14°F ~ 122°F) ( With W.T. SSD/DRAM)                                                                                                                                                                                                                                          |
| Humidity              | 10% ~ 90%, non-condensing                                                                                                                                                                                                                                                                   |
| Dimensions            | 192 mm (7.56") (W) x 230 mm (9.05") (D) x 115.8 mm (4.56") (H)                                                                                                                                                                                                                              |
| Vibration Endurance   | 2 Grms with SSD (5 - 500 Hz, X, Y, Z directions)                                                                                                                                                                                                                                            |
| Weight (net/gross)    | 3.2 kg (7.05 lb)/ 4.5 kg (9.92 lb)                                                                                                                                                                                                                                                          |
| Certificate           | CE (Class A)                                                                                                                                                                                                                                                                                |
| EOS support           | WES7, Linux                                                                                                                                                                                                                                                                                 |

## Packing List

- 1 x Quick manual
- 1 x Driver cd
- 1 x Screw pack
- 4 x Foot pad
- 1 x Adapter with power cord or DC-in connector



## Power Protection

### DC Version

OVP (over voltage protection)  
UVP (under voltage protection)  
OCP (over current protection)  
SCP (over temperature protection)  
Reverse protection

## Ordering Information

### Standard

|                   |                                                                                                               |
|-------------------|---------------------------------------------------------------------------------------------------------------|
| eBOX639-830-FL-DC | Fanless embedded system with Intel® Atom™ processor D2550, VGA, 2 GbE LANs, 6 USB, 2 PCI slots, HDD and DC-in |
|-------------------|---------------------------------------------------------------------------------------------------------------|

### Optional

|                |               |
|----------------|---------------|
| 2.5" SATA HDD  | 80GB or above |
| 2.5" SATA SSD  | 40GB or above |
| DDR3 SO-DIMM   | 1GB ~ 4GB     |
| Wall mount kit | 881606390A0E  |
| Wi-Fi module   |               |
| GPS module     |               |
| AC/DC adapter  |               |
| Power cord     |               |

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

## Dimensions

