

# eBOX623-831-FL

Fanless Embedded System with Intel® Atom™ Processor N2600 1.6 GHz or D2550 1.86 GHz, VGA and DisplayPort, 2 GbE LAN, 6 USB and 4 COM



▲ Front view



## Specifications

Standard Color	Silver-Black
Construction	Aluminum extrusion and heavy-duty steel, IP40
CPU	Intel® Atom™ processor N2600 1.6 GHz dual core/ D2550 1.86 GHz dual core
System Memory	1 x 204-pin DDR3 SO-DIMM (N2600 supports DDR3 800MHz max. up to 2 GB; D2550 supports DDR3 1066/1333MHz max. up to 4 GB)
Chipset	Intel® NM10
BIOS	AMI
System I/O Outlet	2 x RS-232/422/485 (COM 1/2) 2 x RS-232 (COM 3/4) 1 x VGA 1 x DisplayPort 1 x Audio (Mic-in/Line-out) 2 x 10/100/1000Mbps Ethernet (Intel® 82583V) 6 x USB 2.0 2 x SMA type connector opening for antenna 1 x VDC 12V power input connector
Watchdog Timer	255 levels, 1 ~ 255 sec.
Storage	1 x 2.5" SATA HDD drive bay 1 x CFast™ slot 1 x mSATA
Expansion Interface	1 x PCI Express Mini Card slot (USB + PCI Express signal) 1 x internal USB Wifi mounting space
System Indicator	1 x green LED for system power-on 1 x orange LED for HDD active
Power Supply	Input AC 90-264V, AC 60W adapter with lock Output: DC 12V @ 5A
Operating Temperature	-10 °C ~ +55 °C (14 °F ~ 131 °F) (With W.T. SSD/DRAM, D2550)
Storage Temperature	-20 °C ~ +80 °C (-4 °F ~ +176 °F)
Humidity	10% ~ 90% , non-condensing
Vibration Endurance	3 Grms w/ CFast™ (5-500Hz, 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)	1.98 kg (4.36 lb)/2.6 kg (5.73 lb)
Certification	CE
EOS Support	WES7, WES8

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

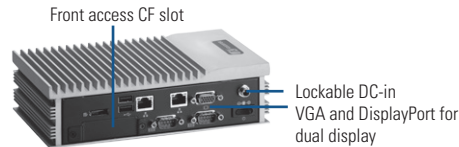
## Packing List

- 1 x quick manual
- 1 x driver cd
- 1 x screw pack
- 4 x foot pad
- 1 x power adapter
- 1 x power cord
- 2 x CFast™ mylar
- 1 x HDD mylar

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

- Intel® Atom™ Cedarview processor N2600 1.6 GHz dual core/ D2550 1.86 GHz dual core
- Intel® NM10 chipset
- Supports Jumbo Frame(9k), WoL, PXE Remote Boot
- High performance 204-pin DDR3-1066/1333 SO-DIMM max. up to 4 GB
- One 2.5" SATA drive bay and 1 CFast™ slot ,mSATA
- Supports VGA and DisplayPort dual display



▲ Rear view

## Power Protection

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

## Ordering Information

Standard	
eBOX623-831-FL-D2550-US	Fanless embedded system with Intel® Atom™ processor D2550 1.86 GHz, VGA, DisplayPort, 2 GbE LAN, 6 USB, 4 COM, 60W AC/DC adapter, US power cord
eBOX623-831-FL-D2550-EU	Fanless embedded system with Intel® Atom™ processor D2550 1.86 GHz, VGA, DisplayPort, 2 GbE LAN, 6 USB, 4 COM, 60W AC/DC adapter, EU power cord
eBOX623-831-FL-N2600-US	Fanless embedded system with Intel® Atom™ processor N2600 1.6 GHz, VGA, DisplayPort, 2 GbE LAN, 6 USB, 4 COM, 60W AC/DC adapter, US power cord
eBOX623-831-FL-N2600-EU	Fanless embedded system with Intel® Atom™ processor N2600 1.6 GHz, VGA, DisplayPort, 2 GbE LAN, 6 USB, 4 COM, 60W AC/DC adapter, EU power cord

- Optional**
- 2.5" SATA HDD 40 GB or above
  - 2.5" SATA SSD 4 GB or above
  - DDR3 SODIMM 1 GB ~ 4 GB (regarding to CPU model)
  - CFast™ 512 MB or above
  - Wifi module
  - USB wifi module
  - GPS module
  - Graphic codec module
  - Wall mount kit
  - Din rail kit
  - VESA mount kit
  - Power cord

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

## Dimensions

