

eBOX830-831-FL

Fanless Embedded System Featuring
Socket M Intel® Core™2 Duo Processor
up to 1.5 GHz and PCI Slot



▲ Front view
Optional DVD version



EN60950 IP30 Fanless Low Power

Specifications

Standard Color	Silver-Black
Construction	Aluminum extrusion and heavy-duty steel, IP30
CPU	Socket M for Intel® Core™2 Duo/ Celeron® M 1.5 GHz (L7400) processor
System Memory	2 x 240-pin DDR2 DIMM max. up to 4 GB (The actual max capacity will be less depending on system configuration.)
Chipset	Intel® 945GME + ICH7M/-DH
BIOS	Phoenix-Award 4 Mbit with RPL / PXE LAN Boot ROM SmartView and customer CMOS backup
System I/O Outlet	3 x RS-232 (COM 2/3/4) 1 x RS-232/422/485 (COM 1) 1 x VGA 2 x IEEE 1394a 1 x Audio (Mic-in/Line-out) 2 x PS/2 keyboard/mouse 2 x 10/100/1000Mbps Ethernet 6 x USB 2.0 1 x VAC 100 ~ 240 power input connector
Watchdog Timer	255 levels, 1 ~ 255 sec.
Storage	1 x 2.5" SATA HDD drive bay
Expansion Interface	1 x PCI slot (Supports max. length of 185 mm of PCB boards expansion)
System Indicator	1 x green LED for system power-on 1 x orange LED for HDD active
Power Supply	AC90 ~ 264V, 120W power supply or 10 ~ 30V 120W DC power supply
Operating Temperature	0°C ~ +45°C (32°F ~ +113°F) (with W.T. HDD)
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	300 mm (11.81") (W) x 210 mm (8.27") (D) x 104.5 mm (4.11") (H)
Weight (net/gross)	6.3 kg (13.89 lb)/8.2 kg (18.08 lb)
Certification	CE, EN60950 compliance
EOS Support	XPE, WinCE, Linux

* XPE: Windows® XP Embedded

Packing List

- 1 x quick manual
- 1 x driver CD
- 1 x screw pack
- 4 x foot pad
- 4 x HDD anti-vibration damper

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

- Socket M for Intel® Core™2 Duo or Celeron® M processor up to 1.5 GHz
- Intel® 945GME + ICH7M/-DH chipset
- High performance with full feature I/O
- Supports PCI interface or optical drive
- Supports 6 USB 2.0 ports and 4 COM ports
- Supports 2 10/100/1000Mbps Ethernet ports
- Supports 2 IEEE 1394a ports
- 1 2.5" SATA HDD drive bay
- 120W AC or DC power supply



▲ Rear view

Power Protection

AC & DC Version

OLD (over load protection) SCP (short circuit protection)

Ordering Information

Standard

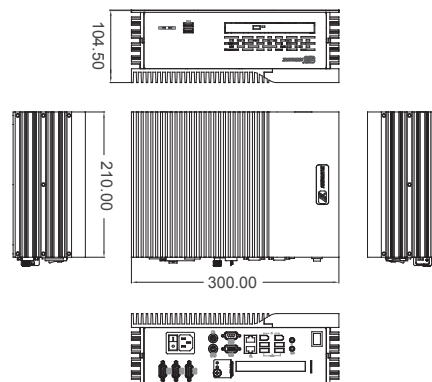
eBOX830-831-FL-AC	Fanless embedded system supports socket M for Intel® Celeron® M processor, 4 COM, 6 USB, PCI slot and AC power
eBOX830-831-FL-AC-DVD	Fanless embedded system supports socket M for Intel® Celeron® M processor, 4 COM, 6 USB, DVD-ROM and AC power
eBOX830-831-FL-1.5G-AC	Fanless embedded system with LV Intel® Core™2 Duo 1.5 GHz (L7400) processor, 4 COM, 6 USB, PCI slot and AC power
eBOX830-831-FL-1.5G-AC-DVD	Fanless embedded system with LV Intel® Core™2 Duo 1.5 GHz (L7400) processor, 4 COM, 6 USB, DVD-ROM and AC power
eBOX830-831-FL-DC	Fanless embedded system supports socket M for Intel® Celeron® M processor, 4 COM, 6 USB, PCI slot and DC power
eBOX830-831-FL-DC-DVD	Fanless embedded system supports socket M for Intel® Celeron® M processor, 4 COM, 6 USB, DVD-ROM and DC power

Optional

2.5" SATA HDD	40 GB or above
2.5" SATA SSD	4 GB or above
DDR2 DIMM	256 MB ~ 2 GB
Power cord	

* 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