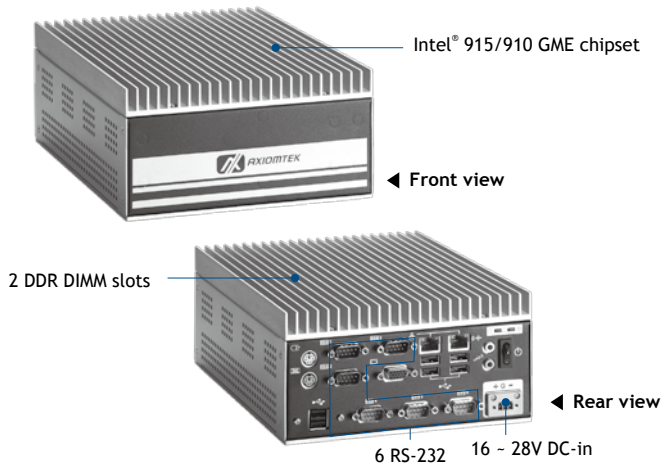


# eBOX640-822-FL

Fanless Embedded System with Intel® Pentium® M Processor  
up to 2.0 GHz



## Features

- Fanless operation design with full I/O features
- Socket 478 for Intel® Celeron® M/ Pentium® M processor up to 2.0 GHz onboard
- Intel® 910GML + ICH6M chipset
- High performance DDR2 DIMM max. up to 2 GB
- One 2.5" SATA HDD drive bay
- ATX 107W 16V ~ 28V DC-in power supply
- 1 RS-422/485 (optional)

## Power Protection

### AC Version

OVP (over voltage protection)	OCP (over current protection)
SCP (short circuit protection)	

### DC Version

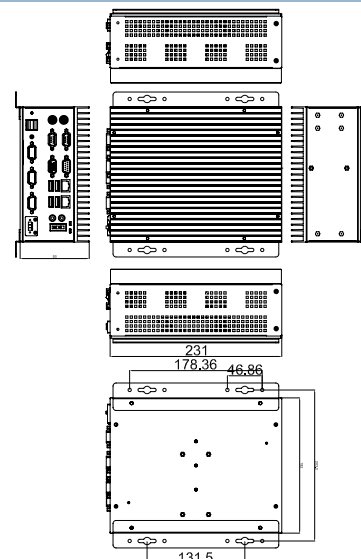
OCP (over current protection)	SCP (short circuit protection)
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## Ordering Information

Standard	
eBOX640-822-1GE-FL	Fanless embedded system with Intel® Celeron® M 1 GHz/0K processor, DC-in ATX 107W P/S
eBOX640-822-FL	Fanless embedded system with socket 478 Intel® processor, DC-in ATX 107W P/S
Optional	
2.5" SATA HDD	40 GB or above
DDR2 DIMM	512 MB ~ 2 GB
AX93133	RS-232 to RS-232/422/485 module
90W AC/DC power kit	
Wall mount kit	
Power cord	

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

## Dimensions



## Specifications

Standard Color	Silver-Black
Construction	Aluminum extrusion and heavy-duty cold-rolled steel, IP30
CPU	Socket 478 for Intel® Celeron® M 1.0 GHz/0K/ Pentium® M/ Celeron® M up to 2.0 GHz
System Memory	2 x 240-pin DDR2 DIMM max. up to 2 GB
Chipset	Intel® 910GML + ICH6M
BIOS	Phoenix-Award 4Mbit with RPL/PXE LAN Boot ROM, SmartView and Customer CMOS backup
System I/O Outlet	6 x RS-232 (COM 1-6) 1 x VGA 1 x Audio (Mic-in/Line-out) 1 x PS/2 keyboard 1 x PS/2 mouse 2 x 10/100/1000Mbps Ethernet 6 x USB 2.0 1 x V <sub>bc</sub> power input connector
Watchdog Timer	255 levels, 1 ~ 255 sec.
Storage	1 x 2.5" SATA HDD drive bay
Expansion Interface	N/A
System Indicator	1 x green LED for system power-on 1 x orange LED for HDD active
Power Supply	DC ATX 107W Input: 16 ~ 28V <sub>dc</sub> Output: +3.3V @ 6A, +5V @ 9A, +12V @ 3A, -12V @ 0.1A, +5V <sub>sb</sub> @ 1A
Operating Temperature	-10°C ~ +50°C (14°F ~ 122°F) (with C-M 1 GHz CPU, W.T. HDD, DC PSU) -10°C ~ +45°C (14°F ~ 113°F) (with P-M 2.0 GHz CPU, W.T. HDD, DC PSU)
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 89 mm (3.5") (H)
Weight (net/gross)	3.1 kg (6.83 lb)/3.8 kg (8.38 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
1 x power adapter