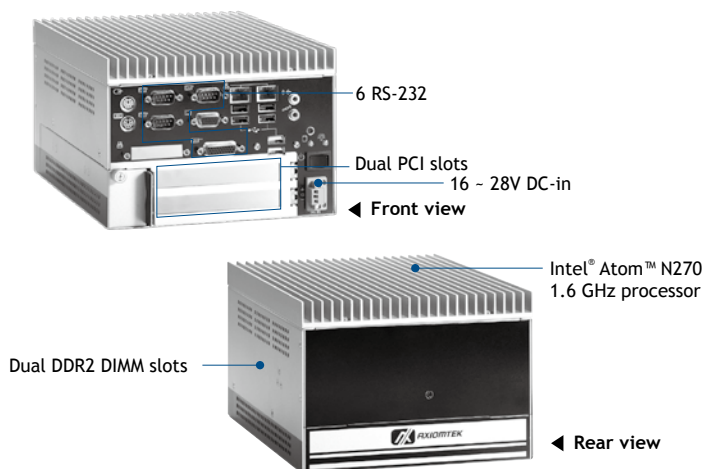


eBOX639-836-FL

Fanless Embedded System with Intel® Atom™ Processor
N270 1.6 GHz and 2 PCI Slots



Specifications

Standard Color	Silver
Construction	Aluminum extrusion and heavy-duty steel, IP30
CPU	Intel® Atom™ processor N270 1.6 GHz
System Memory	1 x 240-pin DDR2 DIMM max. up to 2 GB
Chipset	Intel® 945GSE + ICH7M
BIOS	AMI 8Mbit with RPL/PXE LAN boot ROM
System I/O Outlet	1 x RS-232/422/485 (COM 1) 5 x RS-232 (COM 2-6, COM 4-6 through 26-pin high density connector) 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 Vbc power input connector (DC version) 1 x screw lock adapter connector (AC version)
Watchdog Timer	255 levels, 1 - 255 sec.
Storage	1 x 2.5" SATA HDD drive bay 1 x CompactFlash™
Expansion Interface	2 x 32 bit/33 MHz PCI slot, support max. length of 200 mm of PCB boards expansion
System Indicator	1 x green LED for system power-on 1 x orange LED for HDD active
Power Supply	DC ATX 107 W Input: 16 ~ 28V _{DC} (V _{DC}) Output: +3.3V _{DC} @ 6A, +5V _{DC} @ 9A, +12V _{DC} @ 3A, -12V @ 0.1A, +5V _{sb} @ 1A,
Operating Temperature	-10 °C ~ +55 °C (14 °F ~ 131 °F) (with 1.6 GHz CPU, W.T. HDD, DC 19V)
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 130.8 mm (5.15") (H)
Weight (net/gross)	4.1 kg (9.04 lb)/4.8 kg (10.58 lb)
Certification	CE
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, 1 x High-density COM 4-COM 6 cable

Features



- Supports Intel® Atom™ processor N270 1.6 GHz
- Intel® 945GSE + ICH7M chipset
- Fanless operation design with full feature I/O
- Supports two 32 bit/33 MHz PCI slots
- High performance DDR2 DIMM max. up to 2 GB
- One 2.5" SATA drive bay
- ATX 107W 16V ~ 28V DC-in power supply, optional with AC-to-DC adapter

Power Protection

AC Version

OVP (over voltage protection)

OCP (over current protection)

SCP (short circuit protection)

DC Version

OCP (over current protection)

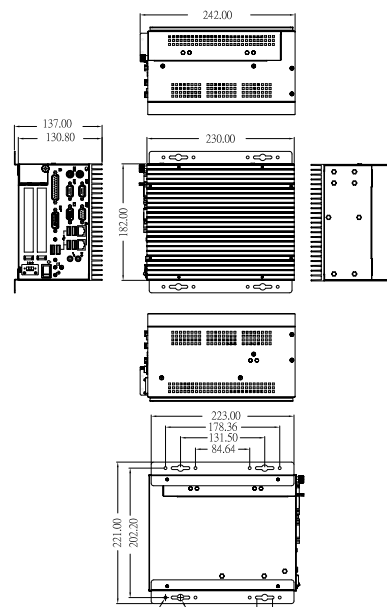
SCP (short circuit protection)

Ordering Information

Standard	
eBOX639-836-FL 1.6G DC	Fanless embedded system with Intel® Atom™ processor N270 1.6 GHz and DC-in ATX 107W PSU
eBOX639-836-FL 1.6G AC	Fanless embedded system with Intel® Atom™ processor N270 1.6 GHz and 90W AC adapter
Optional	
2.5" SATA HDD	40 GB or above
DDR2 DIMM	512 MB ~ 2 GB
CompactFlash™	256 MB or above
90W AC/DC power kit	
Power cord	
Wall mount bracket	

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

Dimensions



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

Embedded Systems

Embedded Systems for Transportation

Embedded Field Controllers

Embedded MicroBoxes

Industrial Barebone Systems

Industrial Chassis

Industrial Workstations

Backplanes

Power Supplies

Peripherals & Accessories