

eBOX620-800-FL

Fanless Embedded System with Intel® Atom™ Processor
N450/ D510 1.66 GHz and Dual Display Support (optional)



Features

- Intel® Atom™ processor N450/ D510 1.66 GHz onboard
- Intel® ICH8M chipset
- Supports 4 USB 2.0 ports and 3 COM ports
- Fanless operation design with full feature I/O
- High performance DDR2-667 SODIMM max. up to 2 GB
- One 2.5" SATA drive bay and one CompactFlash™ 2.0 slot
- One internal PCI Express Mini Card slot

Power Protection

AC Version

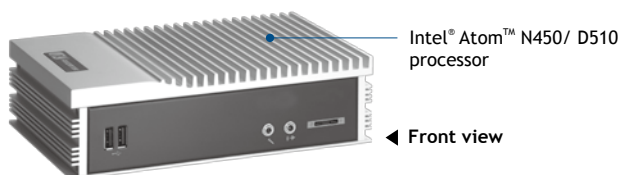
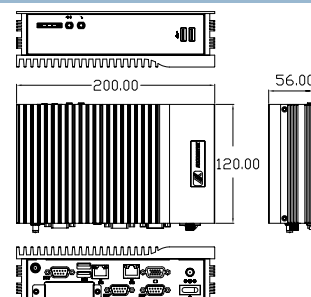
OVP (over voltage protection)	OCP (over current protection)
SCP (short circuit protection)	

Ordering Information

Standard	
eBOX620-800-FL-D510	Fanless embedded system with Intel® Atom™ D510 1.66 GHz processor, VGA, AC 60W adapter, CF & HDD support, 4 USB, 2 RS-232 and 1 RS-232/422/485
eBOX620-800-FL-D510 w/o Logo	Fanless embedded system with Intel® Atom™ D510 1.66 GHz processor, VGA, AC 60W adapter, CF & HDD support, 4 USB, 2 RS-232, 1 RS-232/422/485 and w/o logo
eBOX620-800-FL-N450	Fanless embedded system with Intel® Atom™ N455 1.66 GHz processor, VGA, AC 60W adapter, CF & HDD support, 4 USB, 2 RS-232, 1 RS-232/422/485
eBOX620-800-FL-N450 w/o Logo	Fanless embedded system with Intel® Atom™ N455 1.66 GHz processor, VGA, AC 60W adapter, CF & HDD support, 4 USB, 2 RS-232, 1 RS-232/422/485 and w/o logo
eBOX620-800-FL-D510-D	Fanless embedded system with Intel® Atom™ D510 1.66 GHz processor, VGA+DVI, AC 60W adapter, CF & HDD support, 4 USB, 2 RS-232 and 1 RS-232/422/485
Optional	
2.5" SATA HDD	40 GB or above
DDR2 SODIMM	512 MB or above
CompactFlash™	256 MB or above
Wifi module	849WM520100E
Wifi+Bluetooth	82231560120E
GPS module	826K3101030E
Graphic accelerator	849XM100000E
codec module	

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

Dimensions



Intel® Atom™ N450/ D510 processor

◀ Front view



Internal PCI Express Mini Card slot

Compact size

Antenna opening

◀ Rear view

Specifications

Standard Color	Silver-Black
Construction	Aluminum extrusion and heavy-duty steel, IP40
CPU	Intel® Atom™ processor N450 1.66 GHz single core/ D510 1.66 GHz dual core
System Memory	1 x 200-pin DDR2 SO-DIMM (N450 supports DDR2-667 max. up to 2 GB, D510 supports DDR2-667/800 max. up to 2 GB)
Chipset	Intel® ICH8M
BIOS	AMI
System I/O Outlet	1 x RS-232/422/485 (COM 1) 2 x RS-232 (COM 2/3) 1 x VGA 1 x DVI-I (optional) 1 x Audio (Mic-in/Line-out) 2 x 10/100/1000Mbps Ethernet 4 x USB 2.0 1 x V _{dc} power input connector 1 x ATX power switch
Watchdog Timer	255 levels, 1 ~ 255 sec.
Storage	1 x 2.5" SATA HDD drive bay 1 x CompactFlash™
Expansion Interface	1 x PCI Express Mini Card (USB + PCI Express signal)
System Indicator	1 x green LED for system power-on 1 x orange LED for HDD active
Power Supply	Screw type AC 60W adapter Input: AC 90-264V Output: DC12V@5A
Operating Temperature	-10°C ~ +50°C (14°F ~ 122°F) (with Atom™ D510 1.66 GHz, W.T. HDD) -10°C ~ +55°C (14°F ~ 131°F) (with Atom™ N450 1.66 GHz, W.T. HDD)
Storage Temperature	-20°C ~ +80°C (-4°F ~ +176°F)
Humidity	10% ~ 90% , non-condensing
Vibration Endurance	2 Grms with CF (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	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
2 x thermal Pad
1 x power adapter
2 x CF mylar
1 x HDD Mylar
1 x US power cord

Overview

Embedded Systems

Embedded Systems for Transportation

Embedded Field Controllers

Embedded MicroBoxes

Industrial Barebone Systems

Industrial Chassis

Backplanes

Power Supplies

Peripherals & Accessories