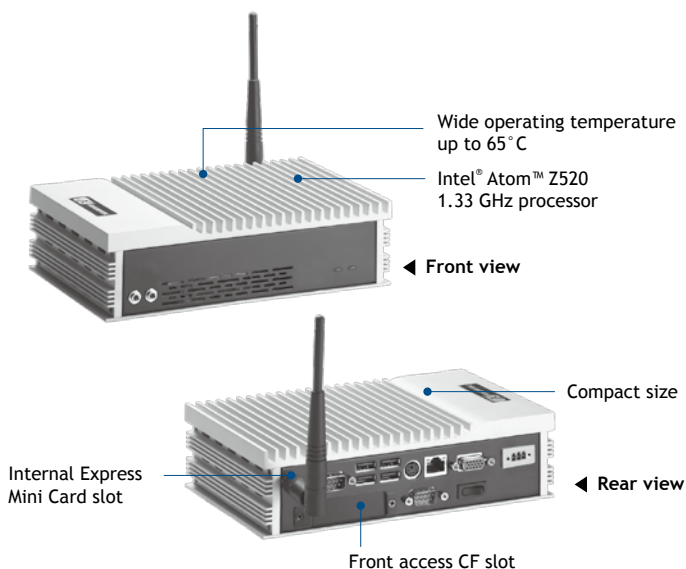


# eBOX620-823-FL

Fanless Embedded System with Intel® Atom™ Processor  
Z510PT/ Z520PT



## Specifications

Standard Color	Silver-Black
Construction	Aluminum extrusion and heavy-duty steel, IP40
CPU	Intel® Atom™ processor Z510PT 1.1 GHz or Z520PT 1.33 GHz
System Memory	1 x 200-pin DDR2 SO-DIMM max. up to 2 GB
Chipset	Intel® SCH US15WPT
BIOS	AMI 8Mbit with RPL/PXE LAN boot ROM
System I/O Outlet	2 x RS-232 (COM 1/2) 1 x VGA 1 x Audio (Mic-in/Line-out) 1 x PS/2 keyboard/mouse 1 x 10/100/1000Mbps Ethernet 4 x USB 2.0 1 x SMA type connector opening for Antenna 1 x V <sub>DC</sub> 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 signal)
System Indicator	1 x green LED for system power-on 1 x orange LED for HDD active
Power Supply	12V ~ 24V <sub>DC</sub> -in 36W
Operating Temperature	-40°C ~ +65°C (-40°F ~ +149°F) (with 1.33 GHz CPU, W.T. CF) -40°C ~ +60°C (-40°F ~ +140°F) (with 1.33 GHz CPU, W.T. HDD)
Storage Temperature	-45°C ~ +80°C (-49°F ~ +176°F)
Humidity	10% ~ 90%, non-condensing
Vibration Endurance	1 Grms with HDD (5 ~ 500 Hz, 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)	1.8 kg (3.97 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 Y cable for PS/2 keyboard/mouse
1 x screw pack
4 x foot pad
2 x CF mylar



## Features

- Supports Intel® Atom™ processor Z510PT/ Z520PT
- Intel® SCH US15WPT chipset with I/O controller
- Supports wide operating temperature of -40°C ~ +65°C
- Fanless operation design with full feature I/O
- High performance DDR2 SODIMM max. up to 2 GB
- One 2.5" SATA HDD drive bay and CompactFlash™ slot

## Power Protection

### DC Version

EMI suppression filter	OVP (over voltage protection)
UVP (under voltage protection)	OCP (over current protection)
OTP (over temperature protection)	Reverse protection

## Ordering Information

Standard	
eBOX620-823-FL -1.3 G	Fanless embedded system with Intel® Atom™ processor Z520PT 1.33 GHz (-40°C ~ +65°C)
eBOX620-823-FL -1.1 G	Fanless embedded system with Intel® Atom™ processor Z510PT 1.1 GHz (-40°C ~ +65°C)
Optional	
2.5" SATA HDD	40 GB or above
DDR2 SODIMM	256 MB ~ 2 GB
Compact flash	256 MB or above
Din rail kit	
Wall mount kit	
VESA mount kit	

\*Specifications and certifications are based on options and may vary.  
\*\*This product contains antenna or related module defaultly.

## Dimensions

