

# SBOX-2170

Intel Cedarview Atom D2550 Dual Core 1.86GHz CPU with Dual GbE LAN / DVI-I / 3 x RS-232 / DC 9-32V Input Fanless Box PC



Cedar  
view

5.1  
Audio

DDR3  
1066

VGA /  
DVI-D

DC  
9-32V

Dual  
GbE Lan

## Features

- Intel Cedarview Atom D2550 Dual Core 1.86GHz
- Dual Display Output (VGA and DVI-D)
- Support Embedded OS (Windows 7 and Linux)
- Dual Gigabit Ethernet and 3 x RS-232
- Wide Range Operating Temp. : -30~60°C
- Ultra Slim(40mm), Compact Size and Fanless
- DC 9-32V Power Input

Embedded Computing

## System

<b>CPU</b>	Intel Cedarview Atom™ D2550 Dual Core 1.86GHz
<b>Memory</b>	1 x DDR3-1066 SO-DIMM up to 4GB
<b>Chipset</b>	Intel NM10
<b>Graphics</b>	Intel GMA3650
<b>ATA</b>	1 x Serial ATA port with 150MB/s HDD Transfer Rate
<b>LAN Chipset</b>	2 x Realtek 8111E Gigabit Ethernet
<b>Watchdog</b>	1 ~ 255 Level Reset

## I/O

<b>Serial Port</b>	Support 3 x RS-232 Ports (1 x RS232/422/485)
<b>USB Port</b>	4 x USB 2.0 Ports
<b>LAN</b>	2 x RJ45 Ports for GbE
<b>Video Port</b>	1 x DVI-I Female Connector for DVI-D and VGA Output
<b>GPIO Port</b>	Support 4 In and 4 Out GPIO Ports
<b>Audio</b>	Line-out / Mic-in (Optional)
<b>Expansion Bus</b>	3 x Mini-card Slots (1 with SIM) for 3G Only

## Storage

<b>Type</b>	1 x 2.5" Drive Bay for SATA Type Hard Disk Drive / SSD 1 x SATA DOM
-------------	--

## Software

<b>Operating System</b>	Windows XP, Windows 7, WES 7, WES 2009, Linux 3.0.X
-------------------------	---

## Qualification

<b>Certifications</b>	CE, FCC Class A
-----------------------	-----------------

## Environmental

<b>Operating Temp.</b>	-30 ~ 60°C, ambient w/ air
<b>Storage Temp.</b>	-40 ~ 85°C
<b>Relative Humidity</b>	10 ~ 95% @ 40°C (non-condensing)
<b>Vibration</b>	MIL-STD-810F, Method 514.5, Procedure 1, Category 4
<b>Shock &amp; Crash</b>	Operating 40G (11ms), Non-Operating 80G with SSD Crash 100G (11ms)
<b>Power Input</b>	DC 9-32V Input w/ Reverse Polarity OCP and OVP Protection

## Mechanical

<b>Construction</b>	Aluminum Alloy
<b>Mounting</b>	Wall-mount, VESA-mount, Din Rail Mounting Kit
<b>Weight</b>	1200g (Barebone)
<b>Dimensions</b>	182 x 167.6 x 40 mm

## Ordering Information

<b>Part Number</b>	SBOX-2170-000
<b>Description</b>	Intel Cedarview Atom D2550 Dual Core 1.86GHz CPU with DVI-I Display, Dual GbE Lan, 3 x RS-232 and DC 9-32V Input Fanless Box PC



Backplane Systems Technology Pty Ltd  
Tel: 02 9457 6400  
sales@backplane.com.au  
www.backplane.com.au