

# SBOX-2020

Intel Atom N270 CPU W/ DVI-I / Dual GbE LAN / 3 x RS-232 / 1 x CF Socket / DC Input Fanless Box PC

- Intel ATOM**
- 5.1 Audio**
- DDRII 533**
- Dual GbE Lan**
- VGA / DVI-D**
- DC 12V**
- CF Socket**



## System

<b>CPU</b>	Intel Atom™ N270 1.6GHz Processor with 533MHz FSB
<b>Memory</b>	1 x DDRII-533 SO-DIMM Up to 2GB
<b>Chipset</b>	Intel 945GSE + ICH7M
<b>Graphics</b>	Integrated Intel GMA950 GFx Core in 945GSE MCH
<b>ATA</b>	1 x Serial ATA port with 150MB/s HDD transfer rate
<b>LAN Chipset</b>	2 x Intel 82574L Gigabit Ethernet
<b>Watchdog</b>	1 ~ 255 level reset

## I/O

<b>Serial Port</b>	Support 2 x RS-232 ports and 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 (share with 1 x RS232)
<b>Audio</b>	Mic-in/Line-out
<b>Expansion Bus</b>	1 x Mini-card slot

## Storage

<b>Type</b>	1 x 2.5" Drive Bay for SATA Type Hard Disk Drive / SSD 1 x CF Socket
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## Software

<b>Operating System</b>	Windows XP, Windows 7, WES 7, WES 2009, Linux 2.6.X
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## Qualification

<b>Certifications</b>	CE, FCC Class A
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## Features

- Intel Ultra Low Power Atom N270 CPU Onboard
- Dual Display Output (VGA and DVI-D)
- Embedded OS (Windows XPe and Linux)
- Dual Intel Gigabit Ethernet and 3 x RS-232
- Wide Range Operating Temp. : -20~60°C
- Ultra Slim(35mm), Compact Size and Fanless
- DC 12V Power Input
- CF Socket

## Environmental

<b>Operating Temp.</b>	-20 ~ 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 20G (11ms), Non-Operating 60G with HDD Operating 40G (11ms), Non-Operating 80G with CF/SSD Crash 100G (11ms)
<b>Power Input</b>	DC 12V Input

## Mechanical

<b>Construction</b>	Aluminum alloy
<b>Mounting</b>	Supports both of wall-mount/VESA-mount
<b>Weight</b>	960g (bare-bone)
<b>Dimensions</b>	182(L)x167.6(W)x35(H) mm

## Ordering Information

<b>Part Number</b>	762020011000
<b>Description</b>	SBOX-2020-Barebone: Intel Atom N270 CPU with DVI-I Display, Dual GbE Lan, 3 x RS-232, 1 x CF Socket and DC12V Input Aluminum Fanless Box PC