

QBOX-1010

0.6-Liter Fanless Box PC with Intel® Atom Processor N270
(with 2x COMs, Digital I/Os)



- Fan-less Design and 0.6-Liter Compact Sized
- Intel® Atom Processor N270
- Intel® 945GSE + ICH7-M
- Support DDR2 533 SODIMM up to 2GB
- Support 1x DVI-I, 1x GbE, 1x 2.5" SATA HDD, 1x eSATA, 4x USB and Audio
- Support CompactFlash Type II Socket, 2x COMs and Digital I/Os

Product Overview

The QBOX-1010 is a fan-less Box PC with a volume of just 0.6-liter that is ideal for space critical applications. This embedded hardware platform is designed with Intel® Atom N270 Processor which provides with excellent performance enabled by next-generation 45nm Process Technology. The system is supported with Intel® 945GSE / ICH7-M chipset, and DDR2 SO-DIMM up to 2GB. Featured

are an eSATA, Internal Compact Flash Type II slot, GbE, USB 2.0, DVI-I, 2x COMs and Digital I/Os. The QBOX-1010 provides high reliability rugged case not only for great protection from EMI, cold and heat, but also integrated with passive cooling design for quiet fan-less operation such as Transportation, Surveillance and Automation.

Technical Information

Construction	
Aluminum extrusion	
System Board	
Proprietary motherboard, Intel® Atom N270 Processor , 945GSE / ICH7-M	
Memory	
DDR2 533 SO-DIMM up to 2GB	
I/O Panel	
Front I/O panel	
1x Phone Jack for Line-Out	
1x Phone Jack for MIC-In	
1x Push button for power on/off	
1x Push button for reset	
1x POWER LED	
1x HDD LED	
2x USB2.0	
1x eSATA connector	
Rear I/O panel	
1x DC JACK for DC9V ~ DC24V input	
1x DVI-I connector for CRT & DVI output	
2x USB2.0	
1x RJ-45, GbE port	
2x DB9 male connectors for COMs	
(2x RS-232/422/485, 5V/12V voltage selected by BIOS setting)	
1x DB9 female connector for digital I/Os	
(4-bits input & 4-bits output, 5V/12V voltage selected by BIOS setting)	
Storage	
1 x internal CF socket	

Power Supply	
Input: 100-240 VAC, 50-60 Hz	
Output: 30W, +19VDC/1.58A output	
Power Consumption	
20W (without USB and eSATA devices)	
Cooling	
Fanless and Internal Heat Pipes	
Temperature / Humidity	
Operating: 0°C to 35°C, 0%-90%, non-condensing	
Storage: -20°C to 80°C, 0%-90%, non-condensing	
Dimensions	
130 x 40 x 110 mm (WxHxD)	
Weight	
750 g	
Mounting	
Wall-mount, VESA-mount	
Certifications	
CE, FCC Class B	

QBOX-1010 I/Os

