

QBOX-1010

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

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- 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 eSATA, 4x USB and Audio
- Support 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, 1x 2.5" SATA HDD or 1x 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	<p>Front I/O panel</p> <ul style="list-style-type: none"> 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 <p>Rear I/O panel</p> <ul style="list-style-type: none"> 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	1x 2.5" SATA HDD or 1x Internal Compact Flash Type II slot

Power Supply	<p>Input: 100-240 VAC, 50-60 Hz</p> <p>Output: 30W, +12VDC/2.5A output</p>
Power Consumption	20W (without USB and eSATA devices)
Cooling	Fanless and Internal Heat Pipes
Temperature / Humidity	<p>Operating: 0°C to 35°C, 0%-90%, non-condensing</p> <p>Storage: -20°C to 80°C, 0%-90%, non-condensing</p>
Dimensions	130 x 40 x 110 mm (WxHxD)
Weight	750 g
Mounting	Wall mount, VESA mount, Din Rail mount
Certifications	CE, FCC Class B

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QBOX-1010 I/Os

