

••• 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

