QBOX-1010

0.6-Liter Fanless Box PC with Intel® Atom Processor N270
(with 2x COMs, Digital l/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 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
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
1x 2.5" SATA HDD or 1x Internal Compact Flash Type II slot

Power Supply
Input: 100-240 VAC, 50-60 Hz
Output: 30W, +12VDC/2.5A 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, Din Rail mount
Certifications
CE, FCC Class B

QBOX-1010 I/Os

USB   DVI-I   USB   LAN   DC JACK

COM1   COM2   Digital I/O

Audio-Out   Mic-In
On/Off   eSATA   USB   USB

Reset   Power LED / HDD LED