QBOX-2000

Fanless Box PC with Intel Atom N270 CPU

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

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Product Overview

The QBOX-2000 is a fan-less Box PC which 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 2.5" SATA HDD or SSD and 2 x GbE, 4

x USB 2.0, DVI-I, 2x COMs, GPIO, Audio ports, 1 x Mini-Card Slot.
The QBOX-2000 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 Alloy	
CPU	
Intel® Atom N270 1.6 GHz Processor with 533 MHz FSB	
Chipset	
945GSE / ICH7-M	
Memory	
1 x DDRII-533 SO-DIMM Up to 2GB	
Graphics	
Integrated Intel® GMA950 GFx Core in 945GSE MCH	
ATA	
1x 2.5" SATA HDD	
LAN	
2 x Intel® 82574L Gigabit Ethernet	
Watchdog	
1 ~ 255 Level Reset	

I/O	
COM	Support 2 x RS-232 and 1 x RS-232/422/485 Ports
USB	4 x SB 2.0 Ports
LAN	2 x RJ-45 for GbE
Video	1 x DVI-I female connector for DVI-D and VGA Output
GPIO	Support 4 in and 4 out GPIO ports (share with 1 x RS-232)
Audio	Mic-in/Line-out
Expansion	1 x Mini-card slot

Storage
1 x 2.5" drive bay for SATA Type Hard Disk Drive/SSD
Cooling
Fanless
Environment
Operating Temp: -20°C to 60°C, ambient w/air
Storage Temp: -20°C to 80°C
Relative Humidity: 10~95%@40°C (non-condensing)
Vibration: Mil-STD-810F, Method 514.5, Procedure 1, Category 4
Shock & Crash: Operatiing 20G(11ms), Non-Operatiing 60G with HDD
Operating 40G(11ms), Non-Operating 80G with CF/SSD
Crash 100G(11ms)
Power Input: DC 12V Input
Dimensions
182 x 136 x 35 mm (LxWxH)
Weight
960 g (bare-bone)
Mounting
Wall mount, VESA mount
Certifications
CE, FCC

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