

QBOX-4000 Series

Fanless Box PC w/ Intel® Celeron Processor 827E/ 847E



- Intel® Celeron® Processor 827E (QBOX-4000)
- Intel® Celeron® Processor 847E (QBOX-4001)
- Intel® HM65 Express chipset
- DDR3 1066/1333 MHz memory support up to 8 GB
- 1x HDMI, 1x DP, 1x VGA, 8x USB2.0, 2x COM, 1x DIO, 2x GbE LAN, Audio
- 1x 2.5" SATA HDD or SSD, 1x Mini-PCIe slot, 1x CF slot supported
- Fanless design



Product Overview

The QBOX-4000 Series is a fanless Box PC ideal for space critical applications. This embedded hardware platform features Intel® Celeron Processor 827E/847E, Intel® HM65 Express chipset, and DDR3 1066/1333 SO-DIMM. It comes with a 2.5" SATA hard drive or SSD, Compact Flash slot, HDMI, VGA, DP, 8x USB 2.0, 2x COM, 2x GbE LAN, DIO, and HD Audio.

The QBOX-4000 Series provides high reliability rugged case not only for great protection from EMI, cold and heat, but also integrated with passive cooling design for quiet fanless operation such as Transportation, Surveillance and Automation.

Technical Information

CPU Support
QBOX-4000 : Intel® Celeron Processor 827E (1.5M Cache, 1.40 GHz) QBOX-4001 : Intel® Celeron Processor 847E (2M Cache, 1.10 GHz)
Chipset
Intel® HM65 Express Chipset
Memory
1x Single Channel DDR3 1066/1333MHz SODIMM support (8GB max)
BIOS
AMI Plug & Play SPI BIOS
External Display
1x HDMI 1x Display Port 1x VGA
LAN
2x Gigabit Ethernet (Realtek RTL8111E) PXE / WOL supported
Audio
Realtek ALC662 HD Codec w/ 2W Audio Amplifier Mic-In, Line-In, Line-Out Supported
Storage
1x 2.5" SATA HDD or SSD 1x CF
USB
8 x USB 2.0

COM
2x COM [RS-232] ports with power selection on COM1~2 (1x COM port with RS-232/422/485 selection on COM1)
DIO
8-bits digital I/O supported(4-bit in and 4bit out) DIO signals with 5V or 12V level supported
Expansion slot
1x Mini-PCle slot (SIM Card socket supported)
Hardware Monitor
Operating voltage, CPU temperature
Watchdog Timer
1-255 step, can be set with software on Super I/O
Power
DC 12V Input
OS Support
Windows 7, Windows 8, Linux
Dimensions
240 x 135 x 50 mm (W x D x H)
Environment
Operation Temp: 0°C - 50°C Storage Temp.: -20°C - 80°C Humidity: 0% - 90%
Certifications
CE, FCC Class A

QBOX-4000 Series I/Os

