

PCMB-6872 PC104 Embedded Motherboard Based on Intel Atom N450



Features :

- Based on Intel Pineview-M+ICH8M Chipset, with onboard Intel Atom N450 Processor
- Onboard 512M DDR 667MHz RAM
- Support CRT and LVDS display output and dual independent display
- Provide dual storage mode of SATA and SSD
- Realtek 8103E supporting 1 X100MB Ethernet
- 4x USB2.0/2x COM /1xPC/104+



Fanless



Compact Flash



LVDS



USB 2.0



One Key restore



BIOS Security

Specifications

System	
Motherboard Type	PC/104
Processor	Onboard Intel Atom N450 processor (1.66GHz main frequency, 667MHz FSB, 512KB L2 Cache)
RAM	Onboard 512M DDR II 667MHz RAM
Chipset	Intel Pineview-M+ICH8M
I/O Chipset	Winbond W83627DHG-P
Ethernet	Realtek 8103E, 10/100Mbps, 1↑2x 5Header
BIOS	8M bit SPI Flash BIOS
Wake On LAN	Yes
Watchdog Timer	Trigger a system reset when the timer overflows
Hardware State Monitoring	Monitor the state of voltage, temperature and rotational speed of the fan
Expansion Interface	1xPC/104
Battery	Lithium battery
Power Requirement	Single +5V AT
Board Size	90mm×96mm
Operating Temperature	-40°F ~ 158°F (-40°C ~ 70°C)
Storage Temperature	-40°F ~ 185°F (-40°C ~ 85°C)
Operating Humidity	0%~90% relative humidity (non-condensing)
Display	
Controller	Support CRT and LVDS display output
Controller	Intel GMA 3150 integrated in Intel Atom N450
Video Memory	Dynamic video memory up to 256 MB
Resolutions	CRT support up to 1400X1050
CRT	1 X 2x5Header
LCD	18-bit LVDS
TV-OUT	—
HDMI	—
Dual-Display	CRT+LVDS support dual independent display
I/O	
Storage	1xSATA II , onboard SSD
Serial Port	1x RS-232, 1xRS-232/485
Parallel Port	1 X 2x10Header
USB	4x USB2.0
Keyboard and Mouse	2x4Pin port for keyboard and mouse
GPIO	8-bit GPIO
IrDA	1x IrDA Tx/Rx Header
Audio	Realtek ALC655, AC'97 5.1CH

Packing List

- **0042541219** Jumper
- **0600400019** PS/2 Keyboard/Mouse Y Connector
- **0470120009** SATA Data Cable
- **0710350070** Audio Cable
- **Serial Port Cable**
- **USB Cable**
- **Drive Disk**
- **User's Manual**
- **Warranty card**
- **PCMB-6872**

Ordering Information

- **PCMB-6872-V10**
PC/104 motherboard, onboard Intel Atom N450 processor, 5V Atpower supply, onboard DDR II 667MHz 512M RAM, VGA+ LVDS, 1x10/100Mbps, 1x SATA II , SSD, 4x USB,2x COM, 1x PC/104+, HD Audio, Version 1.0

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