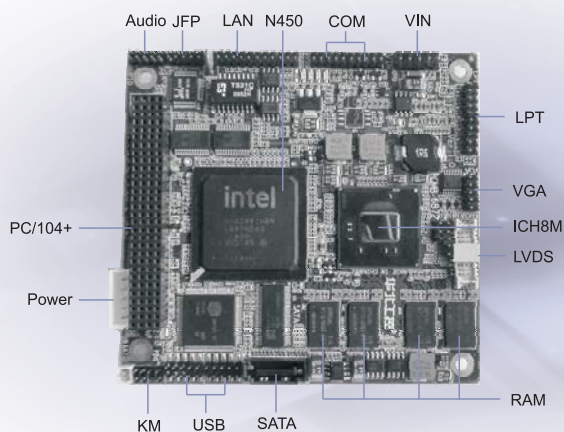


PCMB-6872

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	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	1×SATA 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