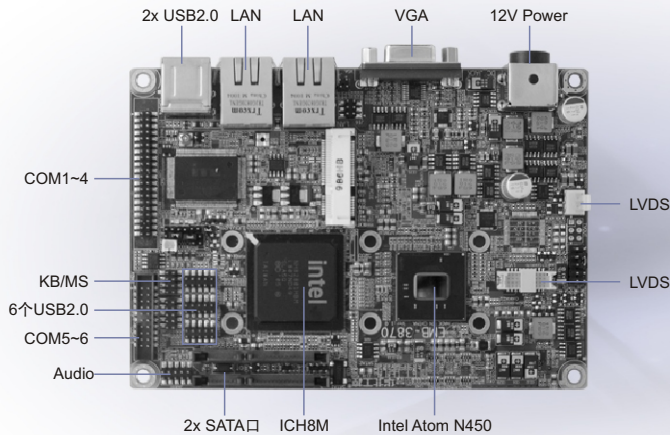


EMB-3870

3.5" Embedded Motherboard Based on Intel Atom N450



Features :

- Based on Intel Pineview+ICH8M chipset, with onboard Intel Atom N450 processor
- 1x 200Pin SO-DIMM socket, DDRII 667MHz system memory up to 2GB
- support VGA+LVDS or VGA+TV-out display output, and dual independent display
- 2x Gigabit Ethernet
- 2x SATA II /8x USB2.0/6x COM /1xMini PCIE/1xCF



Fanless



Compact Flash



LVDS



USB 2.0



Gigabit Ethernet



Serial ATA



One Key restore



BIOS Security

Specifications

System	
Product Type	3.5"
Processor	Onboard Intel Atom N450 (1.66GHz dominant frequency, 667MHz FSB, 512KB L2 cache)
System Memory	1x 200-pin SO-DIMM, DDRII 667MHz system memory up to 2GB
Chipset	Intel Pineview+ICH8M
I/O Chipset	ITE IT8783AX
Ethernet	Intel 82574L, 10/100/1000Mbps, 2x RJ-45
BIOS	8M/16M/32M bit SPI Flash BIOS
Wake On LAN	Support Wake-on-LAN functionality
Watchdog Timer	Trigger a system reset when the timer overflows
H/W Status Monitoring	Support the monitoring of voltage, rotational speed and temperature
Expansion Interface	1x Mini PCIE (SSD for option)
Battery	Lithium battery
Power Requirement	Single power supply (+12V)
Board Size	5.7"x4"(145mmx102mm)
Operating Temperature	32°F ~ 140°F (0°C ~ 60°C)
Storage Temperature	-40°F ~ 176°F (-40°C ~ 80°C)
Operating Humidity	0%~95% relative humidity, on-condensing
Display	
Chipset	Intel Atom N450, Intel GMA 3150 integrated graphics card
Memory	Dynamic sharing with system memory, support up to 256MB
Resolutions	CRT support up to 1400X1050
VGA	1x DB15
LCD Interface	18 bit LVDS , TV-OUT for option
TV-OUT	1xTV-OUT , LVDS for option
HDMI	--
Dual-Display	CRT+LVDS, CRT+TV-OUT, support dual independent display
I/O	
Storage	2x SATA II, 1x typeII Compact Flash, 1x Mini PCIE SSD(Optional)
Serial Port	5x RS-232, 1x RS-232/422/485
Parallel Port	--
USB	8x USB2.0 (2 X USB sockets on the back board)
Keyboard and Mouse	2x4Pin
Digital I/O	--
IrDA	--
Audio	2x5Pin, support speak-out, LINE-in, MIC-IN

Packing List

- **0042541219**
Jumper
- **0600400019**
Keyboard/Mouse Cable
- **0260560019**
Serial port cable
- **0470120009**
SATA Cable
- **0360250019**
USB Cable with shielding
- **0710350070**
Audio Cable
- **Utility CD**
- **User's Manual**
- **Warranty card**
- **EMB-3870**

Ordering Information

Optional Accessories