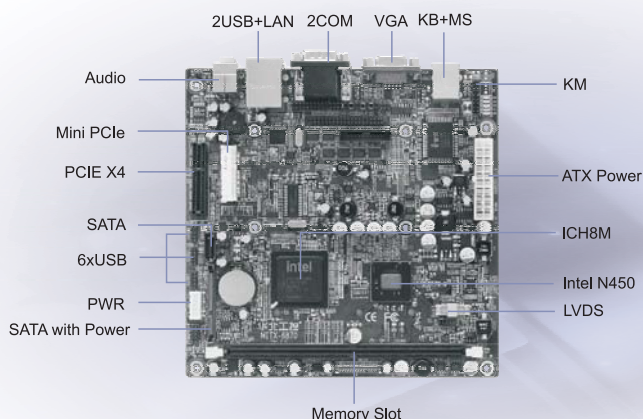


# MITX-6870

Mini-ITX Embedded Motherboard Based on Intel Pineview-M/D



## Features :

- Based on Intel Pineview-M/D+ICH8M chipset, with onboard Intel Atom N450/D410/D510 processor
- 1 X 240Pin U-DIMM socket supports up to 2GB DDR II 533/667MHz when N450 is installed and supports up to 2GB DDR II 667/800MHZ when D410/D510 is installed
- Support CRT and LVDS display output and dual independent display
- Provide ternary storage mode of SATA , CF and SSD
- Realtek 8111D supports 1 X Gigabit Ethernet
- 8x USB2.0/6x COM /1xMini PCIE/1xPCIEx4



Compact Flash



DID



LVDS



USB 2.0



Gigabit Ethernet



Serial ATA



One Key restore



BIOS Security

## Specifications

System	
Product Type	Mini-ITX
Processor	Onboard Intel Atom N450 processor (1.66GHz main frequency, 667MHz FSB, 512KB L2 Cache)
RAM	1 X 240Pin U-DIMM socket supports up to 2GB DDR II 533/667MHz when N450 is installed and supports up to 2GB DDR II 667/800MHZ when D410/D510 is installed
Chipset	Intel Pineview-M/D+ICH8M
I/O Chip	ITE IT8783F
Ethernet	Realtek 8111D,10/100/1000Mbps,1x RJ-45
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	1xMini PCIE (SSD for option) , 1xPCIEx4
Battery	Lithium battery
Power Supply	ATX power supply
Motherboard Size	170mm×170mm
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	
	Support CRT and LVDS display output
Controller	Integrated Intel GMA 3150
Video Memory	Dynamic video memory up to 256 MB
Resolutions	CRT supports up to 1400X1050 when N450 is installed; and 2048 X 1536 when D410/D510 is installed
CRT	1x DB15/2X5 pin
LCD	18-bit LVDS
TV-OUT	—
HDMI	—
Dual-Display	CRT+LVDS support dual independent display
I/O	
Storage	2×SATA II , 1 x type II Compact Flash, 1xMini PCIE SSD(optional)
Serial Port	5x RS-232, 1x RS-232/422/485
Parallel Port	1↑2x10Header
USB	8x USB2.0 (2 X USB ports at rear)
Keyboard and Mouse	1 X PS/2 mouse port, 1 X PS/2 keyboard port / 2x4Pin port for keyboard and mouse

I/O	
GPIO	8-bit GPIO
IrDA	1x IrDA Tx/Rx Header
Audio	ALC888, support speak-out, LINE-in, MIC-IN, SPDIF-OUT

## 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
- MITX-6870

## Ordering Information

- **MITX-6834-V10**  
Mini-ITX motherboard, onboard Intel Atom N450/D410/D510 processor, ATX power supply, DDR II 533/667MHz(N450), DDR II 667/800MHz (D410/D510). VGA+ LVDS, 1xGbE, 2x SATA II , CF, 8x USB, 6x COM, 1x Mini PCIE, 1x PCIEx4, HD Audio, Version 1.0

## Optional Accessories

- **AFC-410D-0413920029-V20** LVDS to DVI
- **AFC-410T-0413920039-V20** LVDS to TTL
- **AFC-410V-0413920019** LVDS to VGA