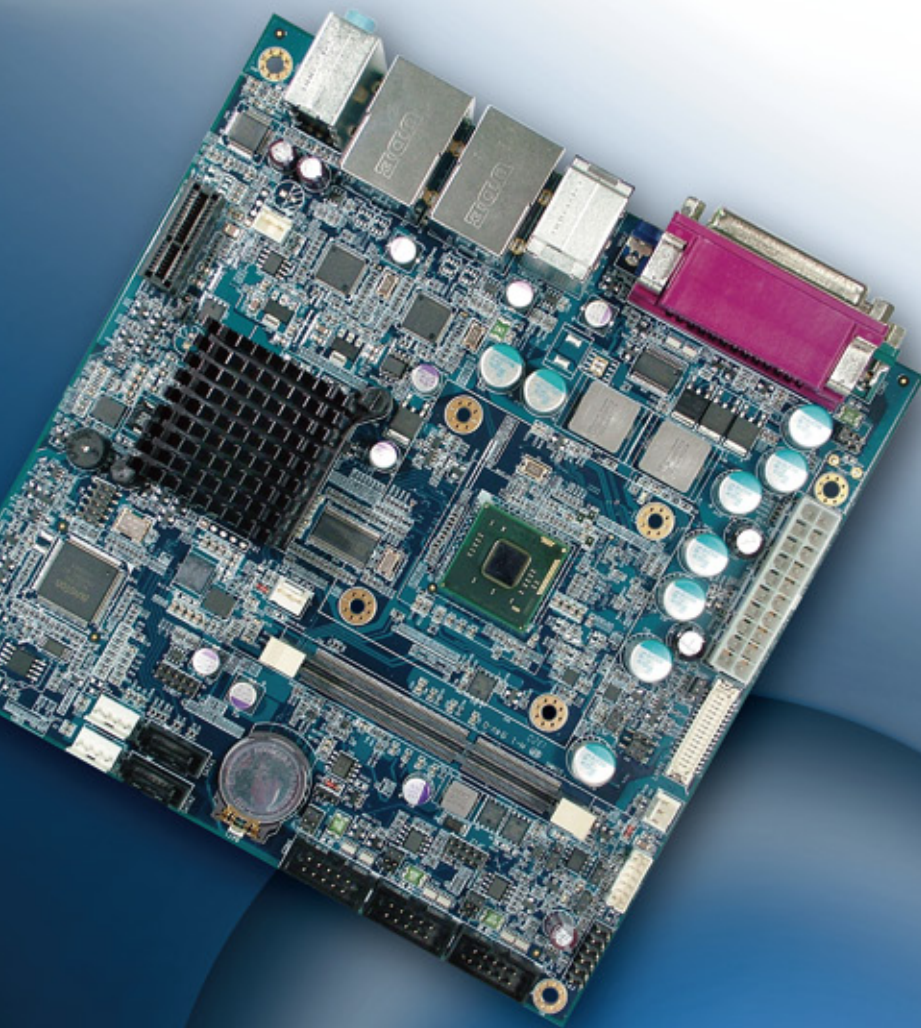


# SBC



## **BM-0852**

Mini ITX MB supports  
Intel® Atom™ D2550 /  
N2800 CPU with VGA/  
LVDS/ Audio/ 2LAN/ 4COM

### **Features :**

- Intel® Atom™ D2550 1.86GHz / N2800 1.86GHz processor
- Equipped with NM10 Chipset
- Memory Support DDR3 SO-DIMM 800/1066 MHz SDRAM up to 4GB
- Support Dual Gigabit LAN
- Support 2 x SATA II, 8 x USB 2.0 port, 4 x Serial port and 1 x Parallel port
- Expansion Slot for one PCIe(1x)



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### **Protech Japan Co., Ltd.**

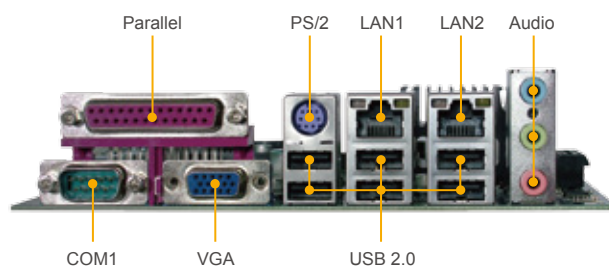
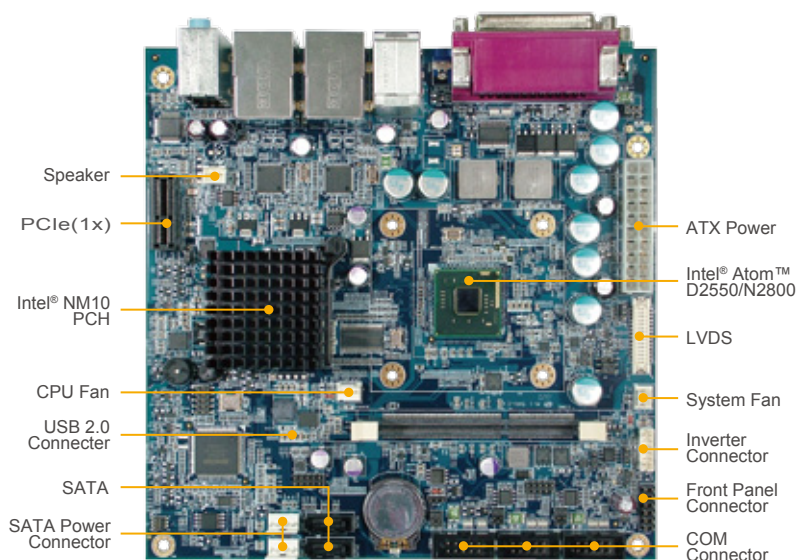
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**9001 14001**

# BM-0852

Mini ITX MB supports Intel® Atom™ D2550 / N2800 CPU with  
VGA/ LVDS/ Audio/ 2LAN/ 4COM



## Specifications

### System

<b>CPU Support</b>	Intel® Atom™ D2550 Processor Intel® Atom™ N2800 Processor
<b>CPU Frequency</b>	D2550 (1.86GHz) / N2800 (1.86GHz)
<b>Chipset</b>	NM10
<b>DRAM</b>	1 x 204Pin SO-DIMM support DDR3 800/1066 MHz up to 4GB
<b>BIOS</b>	AMI BIOS
<b>Watchdog</b>	1~255 secs Watchdog timer selectable
<b>Power Supply</b>	ATX
<b>Power Consumption</b>	+12V:0.68A ; -12V:0.01A ; +5V:1.61A ; +3.3V:0.14A ; 5VSB: 0.37A (CPU: Atom D2550 1.86Ghz) +12V:0.62A ; -12V:0.01A ; +5V:1.38A ; +3.3V:0.13A ; 5VSB: 0.36A (CPU: Atom D2880 1.86Ghz)
<b>Dimension</b>	170mm x 170mm (6.69" x 6.69")
<b>Certicate</b>	FCC / CE
<b>OS Support</b>	Windows 7(32bit)

### I/O Chipset

<b>SATA Interface</b>	2 x SATA II (3.0Gb/s)
<b>Expansion BUS</b>	1 x PCIe(1x)
<b>Serial Port</b>	4 x COM port, COM 1, COM 3 & COM 4 for RS-232, COM 2 for RS-232/422/485 Support 5V/12V
<b>Parallel Port</b>	1 x parallel port (SPP/EPP/ECP)
<b>Keyboard</b>	Mini DIN connector

<b>Mouse</b>	Mini DIN connector
<b>LAN</b>	LAN1: Intel® 82583V (10/100/1000 Mbps) LAN2: Intel® 82583V (10/100/1000 Mbps) Support Wake-on-LAN with ATX power
<b>Audio</b>	HD Audio, Realtek ALC888St
<b>USB</b>	8 x USB2.0

### Display

<b>Graphics</b>	Build-in D2550 / N2800 processor, share system memory; Support 1 x VGA 1 x LVDS
<b>LCD Interface</b>	18/24 bit LVDS

\*Discrete graphic card is necessary for display if the chosen CPU doesn't have integrated graphics support.

### Environment

<b>Operation Temp.</b>	0° ~ 60° C ( 32° ~ 140° F )
<b>Storage Temp.</b>	- 40° ~ 85° C ( - 40° ~ 185° F )
<b>Humidity</b>	Operation humidity 20 ~ 90%, storage humidity 20 ~ 95%

\*All information contained in this document is subject to change without prior notice. Please log on www.protech.com.tw to acquire latest information.

### Ordering Information

<b>BM-0852RA-00P</b>	Mini ITX Intel® Atom™ D2550 w/ VGA, LVDS/ Audio/ 4COM/ 2Giga LAN/ SATA/ PCIe
<b>BM-0852RA-01P</b>	Mini ITX Intel® Atom™ N2800 w/ VGA, LVDS/ Audio/ 4COM/ 2Giga LAN/ SATA/ PCIe

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