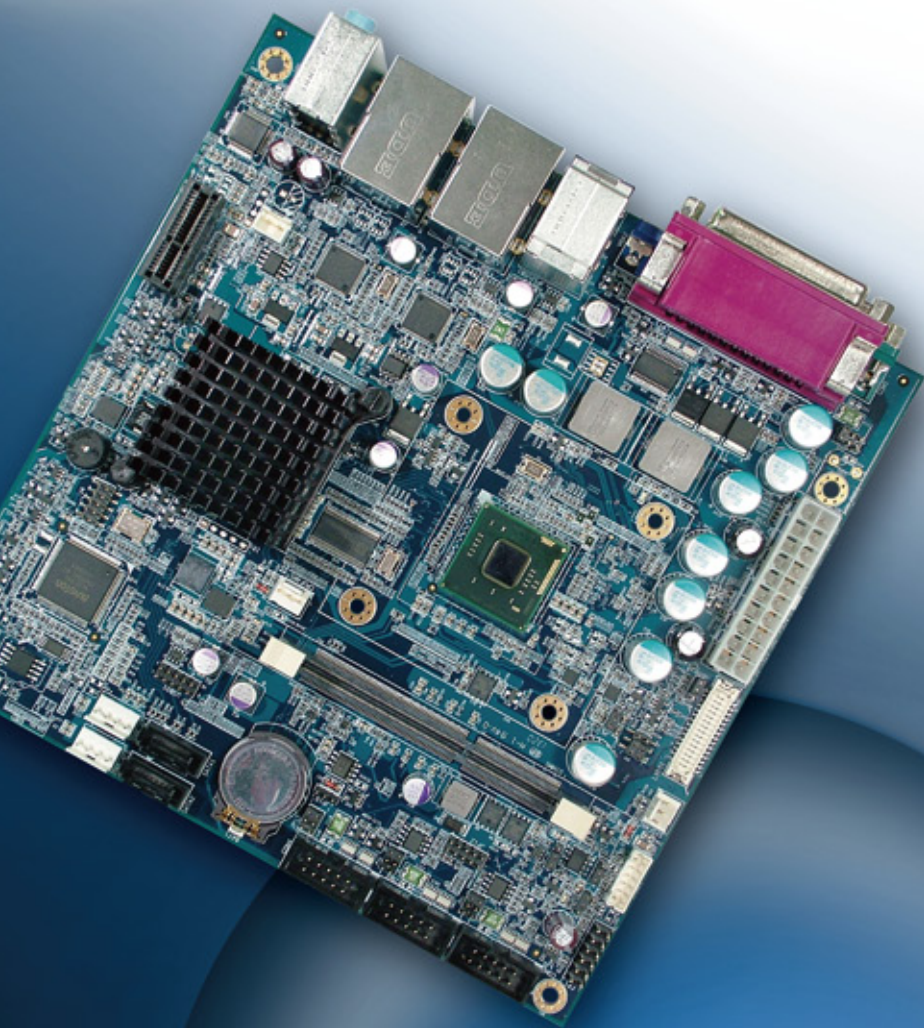


SBC



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)



PROTECH SYSTEMS

It's the right choice

Protech Systems Co., Ltd.

No. 24, Lane 365, Yang Goang Street, Nei Hu District Taipei 114, Taiwan

TEL: +886-2-8751-1111 FAX: +886-2-8751-1199

E-mail: sales@protech.com.tw

<http://www.protech.com.tw>

Protech Technologies Inc.

950 Fee Ana St, Suite B Placentia, CA 92870

TEL: +1-714- 996-7200 FAX: +1-714- 996-7300

Sales: sales@protech-usa.net

<http://www.protech-usa.net>

Protech Japan Co., Ltd.

OSK Bldg, 6F, 6-25-14, Minami-ohi Shinagawa-ku, Tokyo, 140-0013

TEL: +81-3-5753-8411 FAX: +81-3-3763-9282

E-mail: sam@protech-j.com

<http://www.protech-j.com>

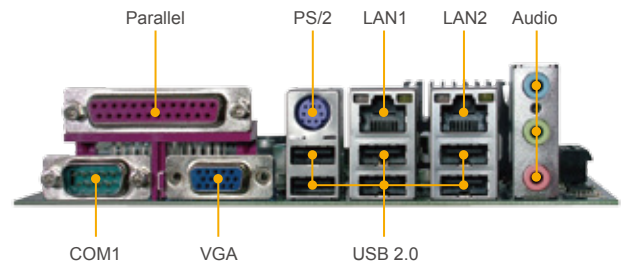
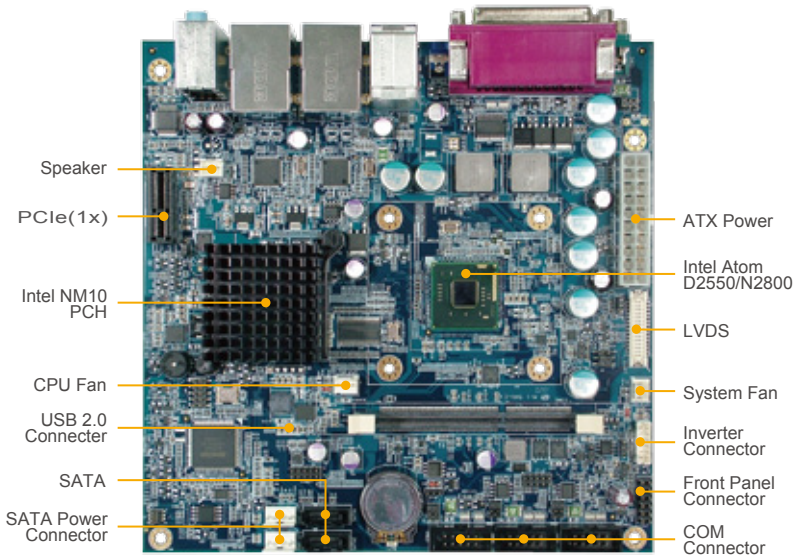


ISO CERTIFIED

9001 14001

BM-0852

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



Specifications

System	
CPU Support	Intel® Atom™ D2550 Processor Intel® Atom™ N2800 Processor
CPU Frequency	D2550 (1.86GHz) / N2800 (1.86GHz)
Chipset	NM10
DRAM	1 x 204Pin SO-DIMM support DDR3 800/1066 MHz up to 4GB
BIOS	AMI BIOS
Watchdog	1~255 secs Watchdog timer selectable
Power Supply	Support ATX Power
Power Consumption	+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)
Dimension	170mm x 170mm (6.69" x 6.69")
Certificate	FCC / CE
OS Support	Windows 7(32bit)

I/O Chipset

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

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

Display

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

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

Environment

Operation Temp.	0° ~ 60° C (32° ~ 140° F)
Storage Temp.	- 40° ~ 85° C (- 40° ~ 185° F)
Humidity	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

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

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