

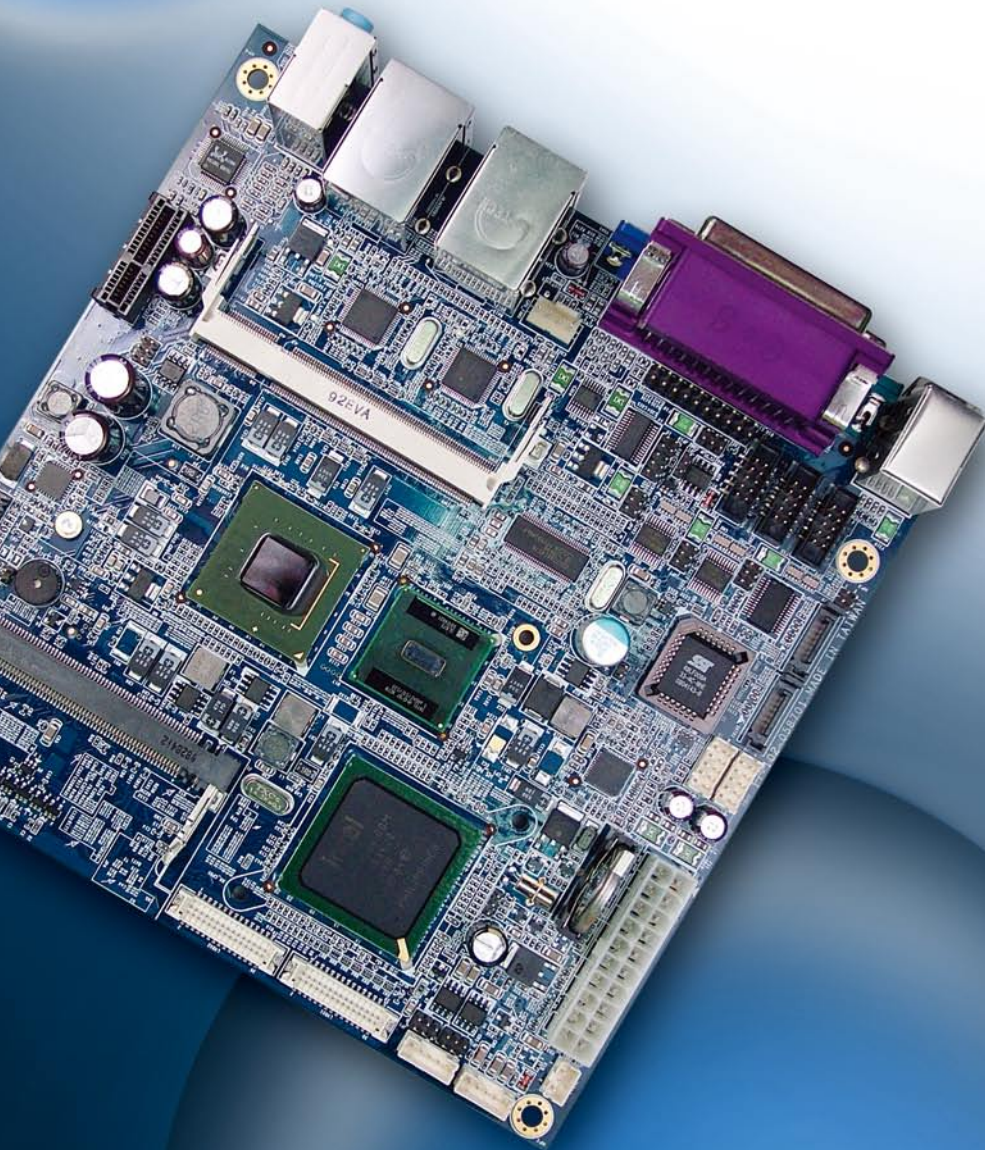
SBC

PMB-587LF

Intel® Atom ITX MB
W/VGA/LVDS/Audio/LAN

Features :

- Intel® Atom N270 (1.6GHz) CPU on board
- Intel® 945GSE + ICH7M+ FWH (FSB : 533MHz)
- 1 x 200-Pin DDR SO-DIMM, supports DDR2 400/533 up to 2GB



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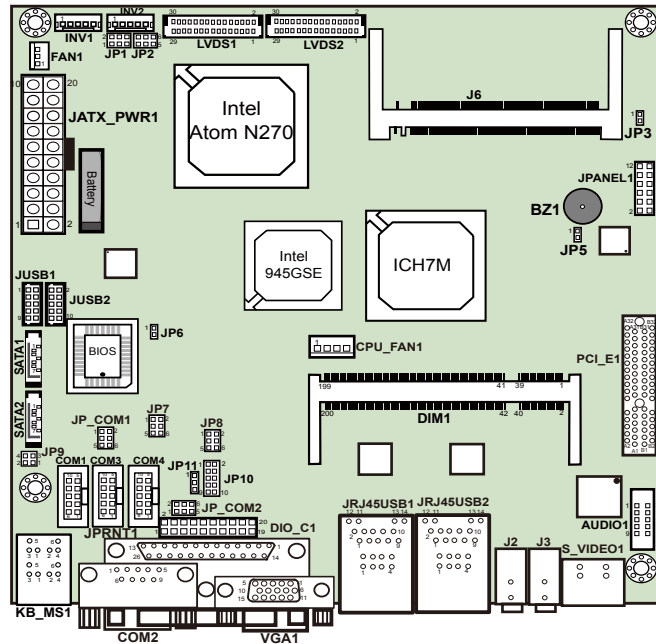


ISO CERTIFIED

9001 | 14001

PMB-587LF

Intel® Atom ITX MB W/VGA/LVDS/Audio/LAN



Specifications

System

CPU Type	Intel® Atom N270 (1.6GHz) CPU on board
CPU Frequency	1.6GHz
Chipset	Intel® 945GSE + ICH7M
DRAM	1 x 200-Pin DDR SO-DIMM, supports DDR2 400/533 up to 2GB
BIOS	Phoenix-Award PnP BIOS, with VGA BIOS
Watchdog	1~255 secs Watchdog timer selectable w / Reset / NMI
Power Supply	Supports ATX / AT Power Standard ATX connector 20 pin
Power Requirement	+5V, +12V
Dimension	170mm x 170 mm (6.69"X 6.69")

I/O Chipset

SATA Interface	2 x SATA connector
CF	1 x CF
Expansion BUS	Ver A: 1 x PCI-E by1, 1 x MiniPCI (1 x MiniPCI-E)
Serial Port	4 ports, COM 1/3/4 for RS-232, COM 2 for RS-232/422/485
Parallel Port	1 x parallel pin(DB-25pin) connector on top
Keyboard	1 x PS/2 connector for keyboard
Mouse	1 x PS/2 connector for mouse
USB	8 ports, supports USB 2.0 4 x USB 2.0 connector on board 2 x box header(2x5pin) connector connector for 4 USB 2.0

LAN

Dual Ports
2 x Lan : Marvell lanchip 10/100/1000 BaseT Ethernet supports Wake-on-LAN

D/I/O

8in / 8out (API)
1 x box header connector (2 x 10pin)

Display

Graphic Build-in 945GSE
1 x VGA D-sub 15 pin-header, 2 x LVDS connector, 1 x TV-out (PIN header)

LCD Interface

LVDS1 : Only support 18 bit
LDVS2 : Only support 24 bit

Environment

OperationTemp.	0°~60°C (32°~140°F)
Storage Temp.	-40°~85°C (-40°~185°F)
Humidity	Operation humidity 20~95%, Storage humidity 20~95%

Ordering Information

PMB-587LF	Mini ITX Atom platform N270 w VGA / LVDS / Audio / 2 x LAN (10/100/1000Mbps)
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