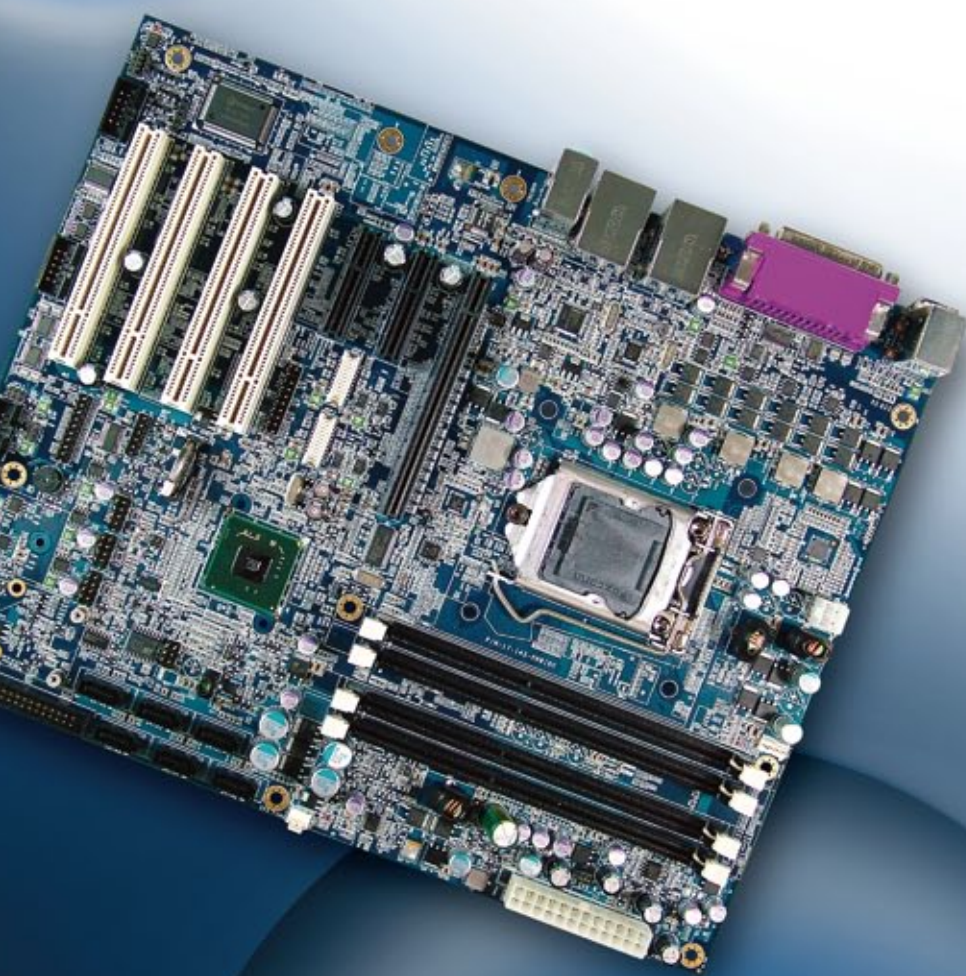


# SBC



## **PMB-881LF**

**ATX MB with Intel®  
Xeon® E3 and Core™ i3  
with VGA/DP, 4 COM,  
Dual LAN, DDR3**

### **Features :**

- LGA1155 Intel® Sandy Bridge Xeon® E3 and 2nd Gen. Core™ i3 Quad / Dual core processor
- Four DIMM sockets support up to 32 GB Dual-channel DDR3 1333/1066 (support ECC, non-ECC)
- Support Dual Gb Ethernet
- Supports SATA RAID 0, 1, 5, 10, iAMT7.0
- Expansion Slots for one PCI-E(16x), two PCI-E(4x), four PCI slot and one Mini PCIe



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

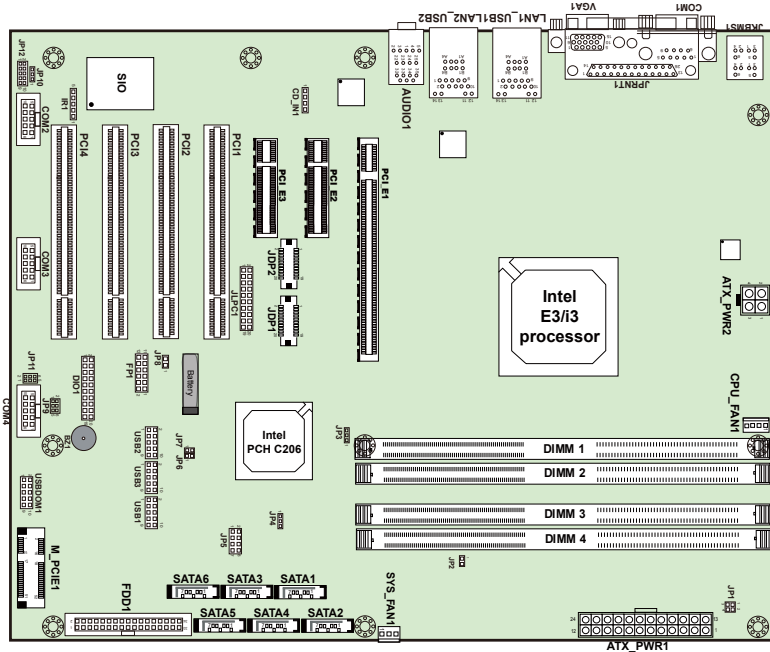
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**ISO CERTIFIED**  
**9001 14001**

# PMB-881LF

ATX MB with Intel® Xeon® E3 and Core™ i3 with VGA/DP, 4 COM, Dual LAN, DDR3



## Specifications

<b>System</b>	
<b>CPU Support</b>	Intel® Xeon® E3 and 2 <sup>nd</sup> Gen. Core™ i3 processor
<b>CPU Frequency</b>	3.1~3.4GHz
<b>Chipset</b>	Intel® PCH C206 + SPI
<b>DRAM</b>	4 x 240-pin DDR3 DIMM, support dual -channel 1333/1066Hz SDRAM ECC and Non-ECC Unbuffered DIMM (system max. 32GB)
<b>BIOS</b>	AMI BIOS
<b>Watchdog</b>	1~255 secs Watchdog timer selectable
<b>Power Supply</b>	Support ATX Power
<b>Power Requirement</b>	+5V, +12V, -12V, +3.3V, +5VSB
<b>Power Consumption</b>	+5V:1.6A, +12V:6.8A, +3.3V:0.7A, +5VSB:0.25A (Xeon E3-1275 3.4GHz)
<b>Dimension</b>	305 mm x 244 mm (12" x 9.6")
<b>Certificate</b>	FCC / CE

<b>Parallel Port</b>	1 x parallel port (SPP/EPP/ECP)
<b>IrDA</b>	1 (SIR)
<b>Keyboard</b>	PS/2 Connector, with mini DIN connector
<b>Mouse</b>	PS/2 Connector, with mini DIN connector
<b>LAN</b>	LAN 1: Intel® 82579LM (10/100/1000 Mbps) LAN 2: Intel® 82583V (10/100/1000 Mbps) Support Wake-on-LAN with ATX power
<b>Audio</b>	High Definition Audio; Realtek ALC888S with Mic / Line-In / Line-Out
<b>DI/O</b>	8 in / 8 out
<b>USB</b>	12 x USB 2.0

## Display

<b>Graphics</b>	Build-in processor, share system memory Supports VGA, Display port
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\*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 5 ~ 90% (non-condensing)

\*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>PMB-881LF</b>	ATX MB with Intel® Xeon® E3 and Core™ i3 (LGA1155) with C206 / VGA/Audio/2LAN(1G)/ 4COM/Raid
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## I/O Chipset

<b>SATA Interface</b>	2 x SATA III (6.0Gb/s), 4 x SATA II (3.0Gb/s), (Raid 0,1,10,5)
<b>IDE Interface</b>	1 x FDD connector
<b>Expansion BUS</b>	1 x PCI-E(16x) , 2 x PCI-E(4x) , 4 x PCI slot , 1x Mini PCIe
<b>TPM</b>	TPM1.2 with 20-pin header on board for TPM (Trusted Platform Module)
<b>Serial Port</b>	4 x COM port, COM 1/3/4 for RS-232, COM 2 for RS-232/422/485

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