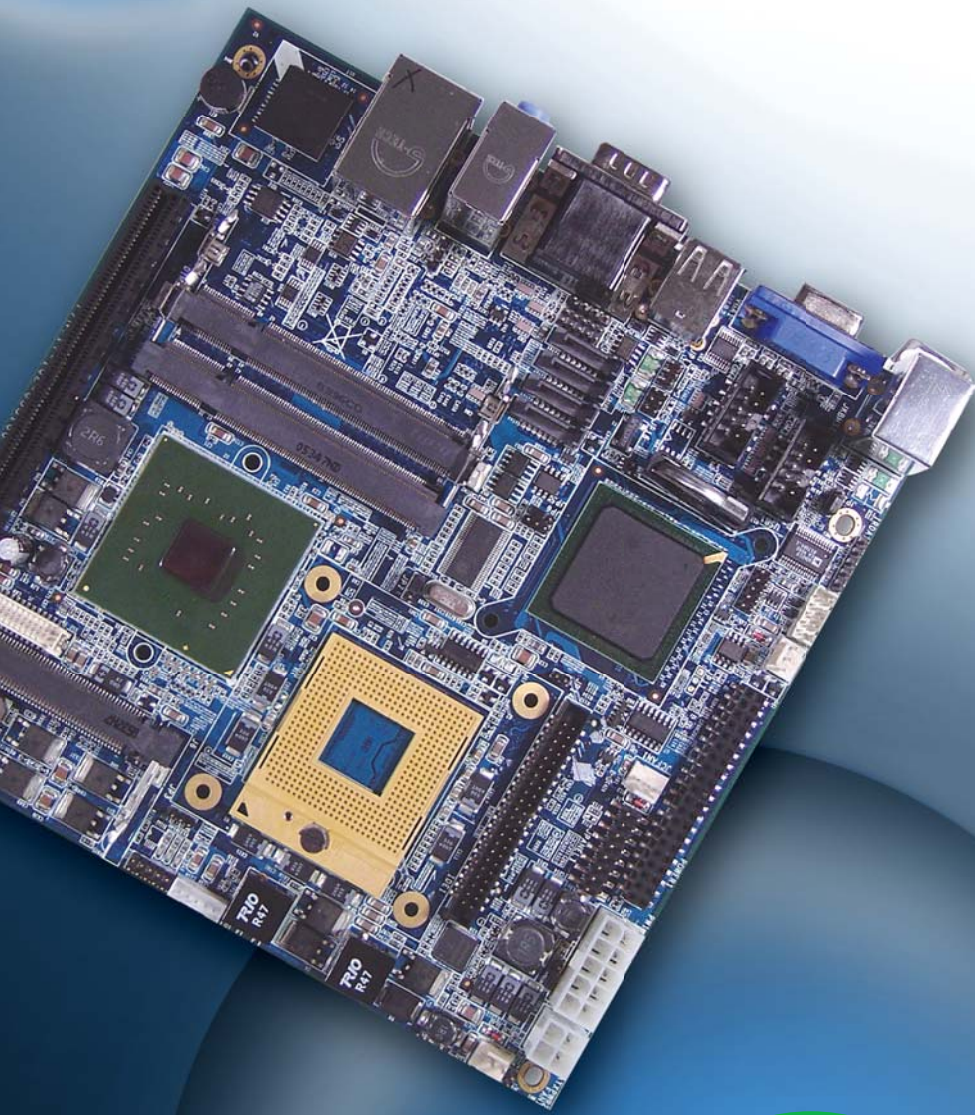


# SBC



## **PMB-531LF**

**Intel® Core Duo /  
Celeron® M Mini-ITX  
Motherboard w / VGA  
/ Audio / LAN**

### **Features :**

- Support Intel® Core Duo / Celeron® M up to 2.23GHz
- Equipped with Intel® 945GM Chipset with FSB 667MHz
- Memory Supports DDR2 667 SDRAM up to 2GB
- Support 4 x SATA and IDE Interfaces
- Expansion Slots for PCI-E (16x), Mini-PCI
- Support Gigabit LAN port with Wake-on-LAN with ATX power



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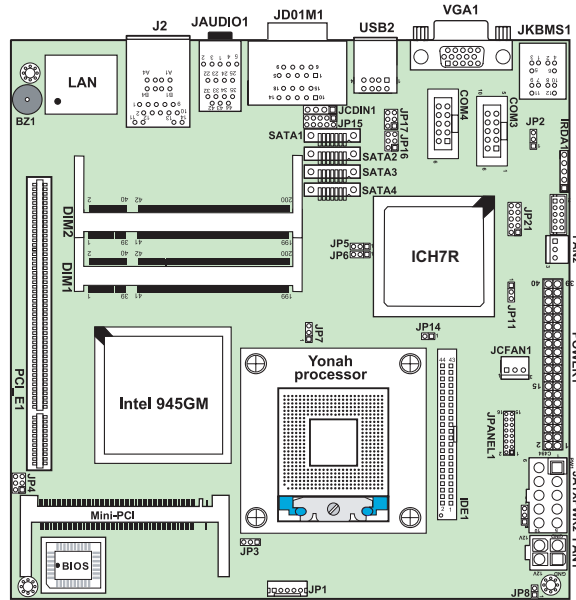
<http://www.protech.com.tw>



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

# PMB-531LF

Intel® Core Duo Mini-ITX Motherboard w / VGA / Audio / LAN



Specifications	
<b>System</b>	
<b>CPU Type</b>	Intel® Core Duo / Celeron® M processor
<b>CPU Frequency</b>	1.46~2.23GHz
<b>Chipset</b>	Intel® 945GM + ICH7R (FSB : 667MHz)
<b>DRAM</b>	2 x 200-pin DDR2 SO-DIMM, Support DDR II 667 SDRAM up to 2GB
<b>BIOS</b>	Phoenix-Award PnP BIOS, with VGA BIOS
<b>Watchdog</b>	1~255 secs Watchdog timer selectable w / Reset / NMI
<b>Power Supply</b>	ATX 10pin
<b>Power Requirement</b>	+5V, +12V
<b>Power Consumption</b>	+5V : 2.238A / +12V : 2.027A (Core Duo T2500)
<b>Dimension</b>	170mm x 170mm (6.69" x 6.69")
<b>I/O Chipset</b>	
<b>IDE Interface</b>	1 x 44-pin IDE (UDMA 33/66/100)
<b>SATA Port</b>	4
<b>CF</b>	1
<b>Bus Interface</b>	1 x PCI-E (16x) slots (SDVO), Mini PCI
<b>Serial Port</b>	4 x COM ports, COM1/3/4 for RS232, COM2 for RS232/422/485 (for 16550 compatible type of UART)
<b>IrDA</b>	1 (SIR)
<b>Keyboard</b>	Mini DIN connector
<b>Mouse</b>	Mini DIN connector
<b>USB</b>	6 x USB 2.0

<b>LAN</b>	LAN 1 : Intel® 82573V (10/100/1000Mbps) Support Wake-on-LAN with ATX power
<b>Audio</b>	AC '97 Codec, Realtek ALC655 With Line-in / Line-out / MIC
<b>Display</b>	
<b>Graphic</b>	Built-in Intel® 945GM, share system memory, Support CRT, LVDS, SDVO, TV
<b>LCD Interface</b>	18-bit LVDS
<b>Environment</b>	
<b>OperationTemp.</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%
<b>Ordering Information</b>	
<b>PMB-531LF</b>	Mini-ITX S478 Core Duo w VGA / Audio / LAN (10/100/1000Mbps)
<b>Certificate: CE, FCC CLASS A</b>	

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