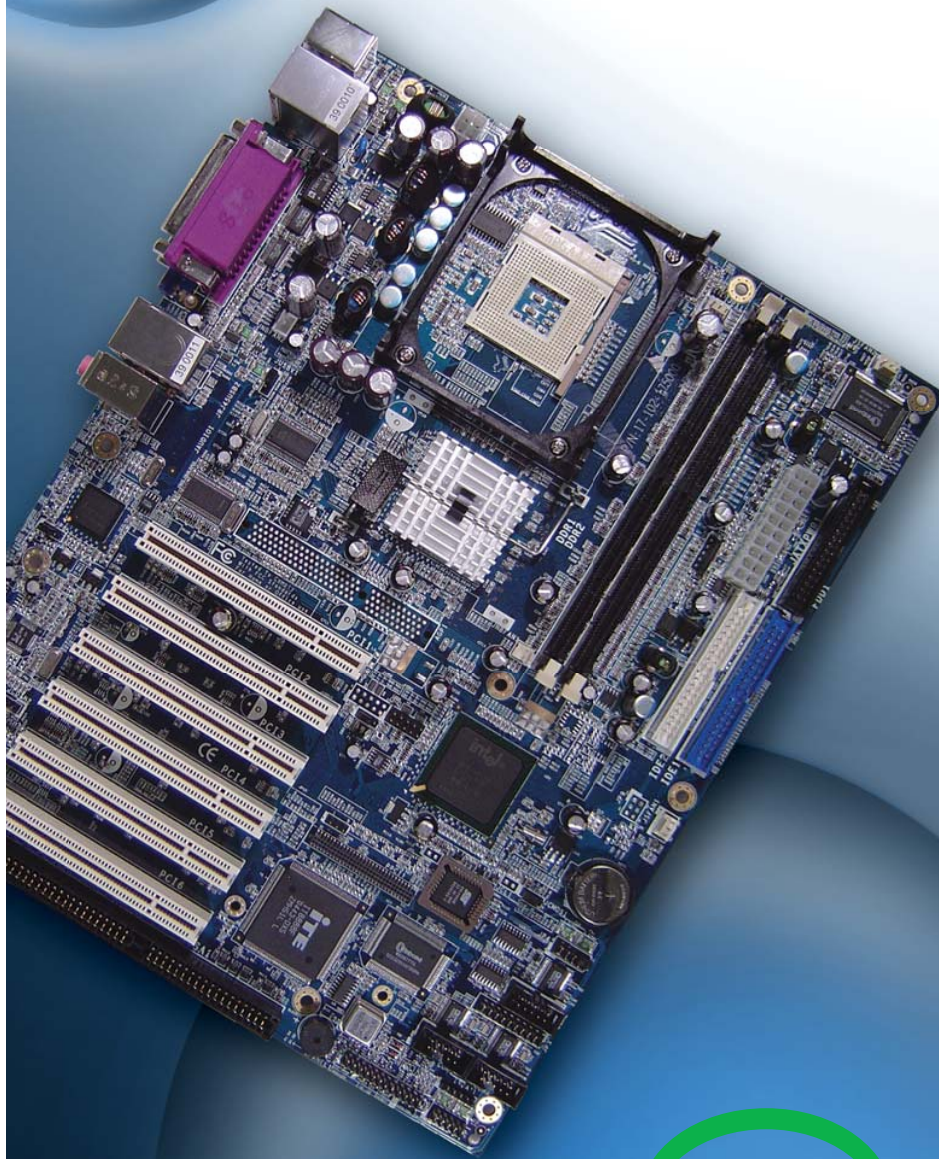


# SBC



## **PMB-1751LF**

**Socket 478 Pentium® 4  
Motherboard w / VGA /  
Audio / 2LAN**

**PMB-1751LF** is fitted with the Intel® 845GV chipset which is designed with the high performance 533/400MHz system bus, integrated Intel® Extreme Graphics technology, interoperable DDR-SDRAM memory, and is optimized to support the Intel® Pentium® 4 processor supporting Hyper Threading Technology.

The PMB-1751LF provides USB 2.0 up to 6 ports. With a much higher bandwidth, USB 2.0 can reach data rates of up to 480Mbps; nearly 40 times faster than that of present USB 1.1. The PMB-1751LF also integrates Realtek ALC 202A, AC'97 codec, which supports excellent audio quality with up to two channels for full surround sound capability.

Onboard with two LANs, Intel® 82562ET PHY with 10/100Mbps Ethernet Intel® 82541PI up to 1000Mbps, PMB-1751LF can satisfy the needs for fast speed Internet experiences. It also conforms to the ATX form factor and has a total of two DIMM slots, supporting up to 2GB DDR333 SDRAM. Expansion slots are also available for 6 PCI, 1 ISA, 1 PPCI.

Further standard features include two EIDE interfaces, one FDD, four serial ports (COM2 is selectable for RS232/422/485), one parallel, one KB, one mouse, and one IrDA.



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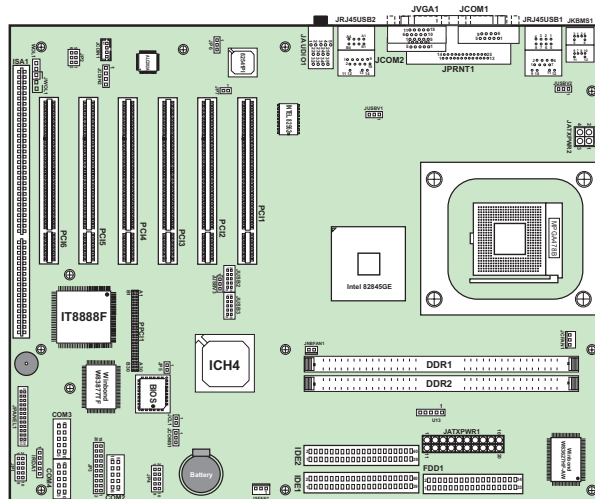
Email: [sales@protech.com.tw](mailto:sales@protech.com.tw)

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



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

# PMB-1751LF Socket 478 Pentium® 4 Motherboard w / VGA / Audio / 2LAN



Specifications	
<b>System</b>	
<b>CPU Type</b>	Intel® Pentium® 4 / Celeron® (Precott) processor
<b>CPU Frequency</b>	1.4~3.06GHz
<b>Chipset</b>	Intel® 845GE / GV + ICH4 (FSB : 400/533MHz)
<b>DRAM</b>	2 x 184-pin DDR DIMM, support DDR333 SDRAM up to 2GB
<b>BIOS</b>	Phoenix-Award PnP BIOS, with VGA BIOS
<b>Watchdog</b>	16 level Watchdog timer selectable w / Reset / NMI
<b>Power Supply</b>	Supports ATX power
<b>Power Requirement</b>	+5V, +12V, +3.3V, 5VSB
<b>Power Consumption</b>	+5V: 1.78A / +12V: 5.31A / +3.3V: 0.25A (Pentium® 4 2.8GHz)
<b>Dimension</b>	305mm x 244mm (12" x 9.61")

I/O Chipset	
<b>IDE Interface</b>	2 x 40-pin IDE (UDMA 33/66/100)
<b>FDD Interface</b>	1
<b>Bus Interface</b>	6 x PCI slots, 1 x ISA slot, 1 x PPCI slot
<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>Parallel Port</b>	1 x parallel (SPP / EPP / ECP)
<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® 82562ET (10/100Mbps) LAN 2 : Intel® 82541PI (10/100/1000Mbps) Supports Wake-on-LAN with ATX power
<b>Audio</b>	AC '97 Codec, Realtek ALC202A with Line-in / Line-out / MIC

Display	
<b>Graphic</b>	Built-in Intel® 845GV, share system memory, Supports CRT

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%

Ordering Information	
<b>PMB-1751LF</b>	ATX size S478 P4 MB w VGA / Audio / COM x 4 / LAN x 2 (10/100Mbps & 10/100/1000Mbps) ; W/o AGP / ISA x 1
<b>PMB-1754LF</b>	ATX size S478 P4 MB w VGA / Audio / COM x 2 / LAN (10/100Mbps) ; W/o AGP / Lan2 / COM3,4 / ISA x 1
<b>Certificate: CE, FCC, CLASS A</b>	

## PERFORMANCE & POWER CONSUMPTION

CPU Type	3D Mark 2001 SE Build 330	PC Mark 2002	Power Consumption +5V / +12V / +3.3V
Pentium® 4 2.8GHz	1432	6754	1.78A / 5.31A / 0.25A

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