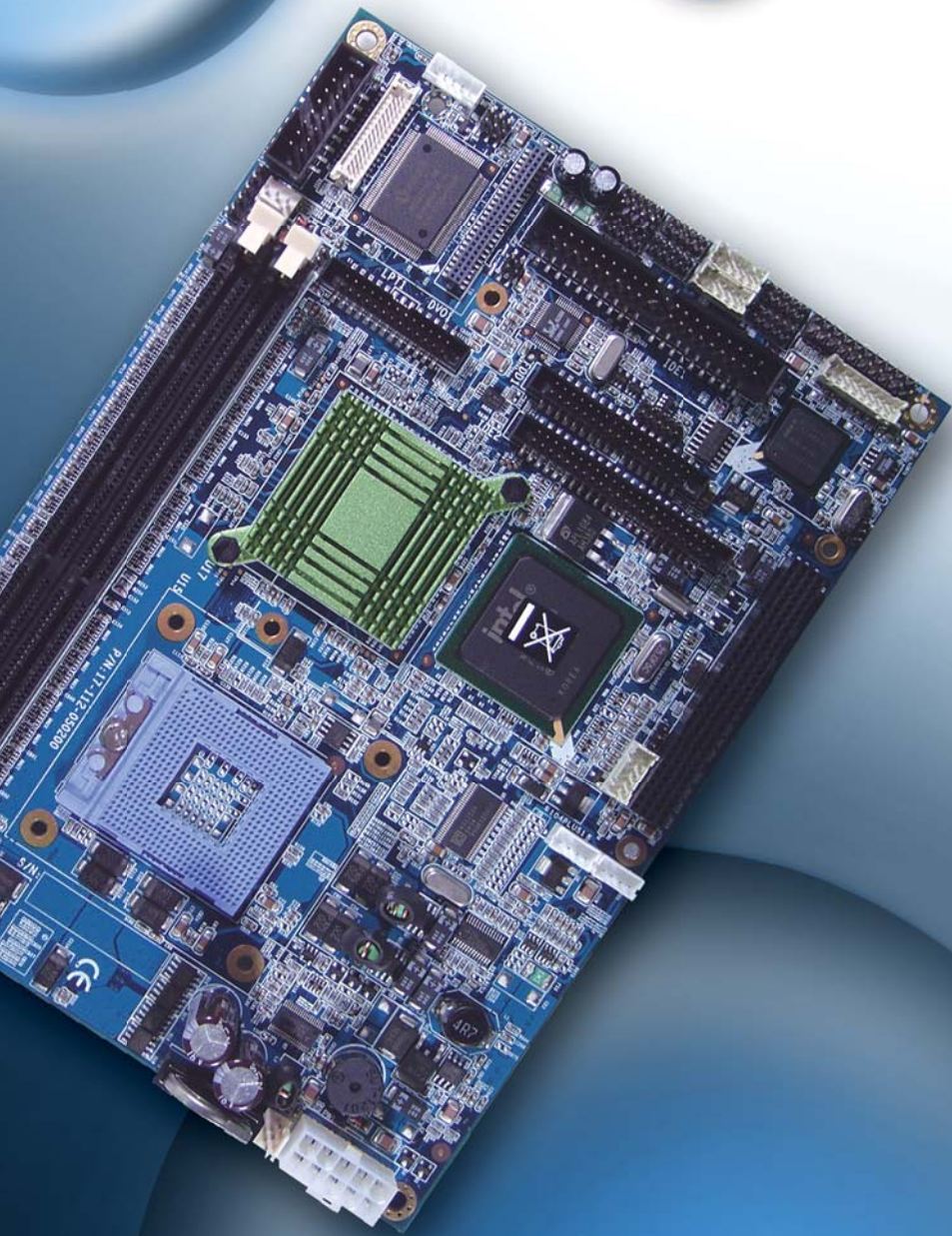


SBC



LB-502LF

Socket 478 Pentium® M
Embedded Board w /
VGA / Audio / 2LAN

LB-502LF The LB-502LF is a 5.25" CPU board engineered by Intel® Pentium® M, Intel® 855GME and ICH4 architecture with 400MHz front side bus. It provides excellence balance between high performance and low power consumption.

With the advanced and sophisticated circuit design, the graphics and audio are both integrated on board, allowing LB-502LF to be a compact but a feature-integrated solution. The graphics is built in 855 GME, supporting video source such as VGA, 18/36-bit LVDS, and DVO for dual display. Meanwhile, the onboard audio codec is Realtek ALC202A, supporting AC '97 2.1 interface.

The LB-502LF is equipped with Compact Flash socket to offer user a more stable and secured data storage option. Also, the networking connectivity comes with one 10/100 BaseT Ethernet as well as one Gigabit LAN. Meanwhile, it's featured PC/104 + and Mini-PCI, providing brilliant expansion interfaces to build more powerful and flexible function.

The LB-502LF 5.25" embedded board will undoubtedly meet the demand for industrial application which requires compact, reliable, full-value, and high-performance features.



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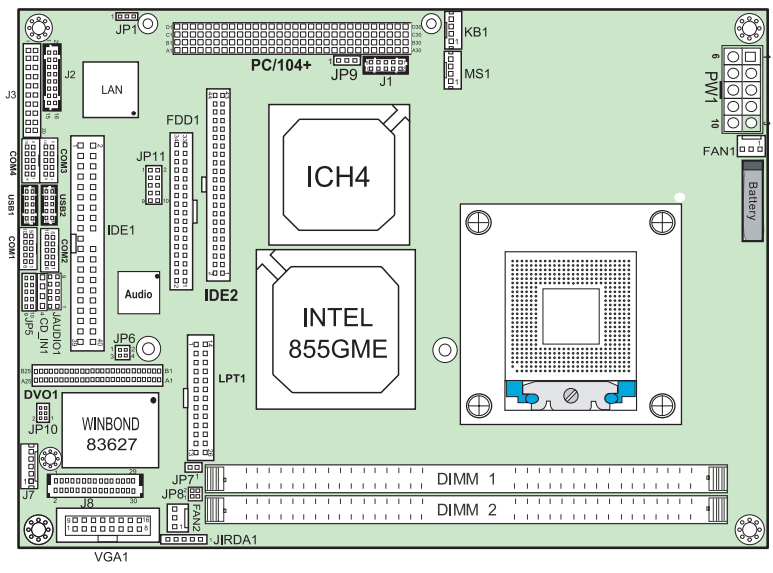
<http://www.protech.com.tw>



ISO CERTIFIED
9001 14001

LB-502LF

Socket 478 Pentium® M Embedded Board w / VGA / Audio / 2LAN



Specifications	
System	
CPU Type	Intel® Pentium® M / Celeron® M processor
CPU Frequency	1.3~2.0 GHz
Chipset	Intel® 855GM + ICH4 (FSB: 400MHz)
DRAM	2x184-pin DDR DIMM, support DDR333 SDRAM up to 2GB
BIOS	Phoenix-Award PnP BIOS, with VGA BIOS
Watchdog	1~255 secs Watchdog timer selectable w/Reset/NMI
Power Supply	Support AT/ATX power
Power Requirement	+5V, +12V
Power Consumption	+5V : 3.68A / +12V : 2.8A (Pentium® M LV 1.4GHz)
Dimension	203mm x 146mm (7.99" x 5.75")
I/O Chipset	
IDE Interface	1x40-pin IDE (UDMA 33/66/100), 1x44-pin IDE (UDMA 33/66/100)
CF	1 x compact flash slot (IDE)
FDD Interface	1
Bus Interface	PC/104+, Mini-PCI
Serial Port	4 x COM ports, COM1/3/4 for RS232, COM2 for RS232/422/485 (for 16550 compatible type of UART)
IrDA	1 (SIR)

Keyboard	4-pin header with mini DIN cable
Parallel Port	1 x parallel (SPP/EPP/ECP)
Mouse	4-pin header with mini DIN cable
LAN	LAN 1: Intel® 82562ET (10/100 Mbps) LAN 2: Intel® 82541PI (10/100/1000 Mbps) Support Wake-on-LAN with ATX power
Audio	AC '97 Codec, Realtek ALC202A with Line-in/Line-out/MIC
USB	4 x USB 2.0

Display	
Graphic	Built-in Intel® 855GME, share system memory Support CRT, LVDS, DVO
LCD Interface	18/36-bit LVDS, DVO

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%

Ordering Information	
LB-502LF	5.25" S478 Pentium-M / Celeron-M SBC w VGA / Audio / LAN x 2 (10/100Mbps & 10/100/1000Mbps)

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