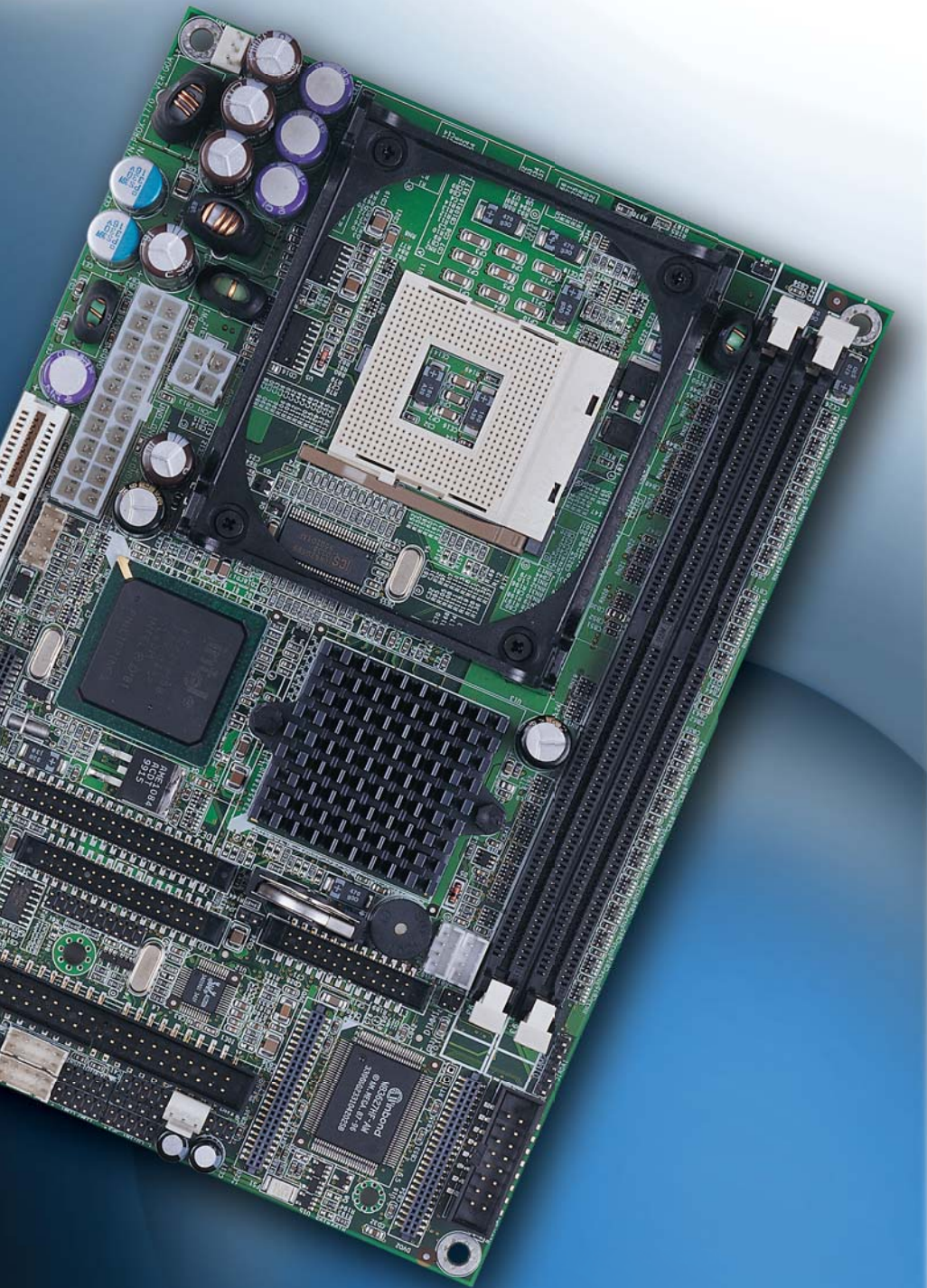# SBC

Prox-L401
Socket 478 P4/P4-M 5.25" Embedded Board with VGA/Sound/2LAN

Prox-L401 is fitted with the Intel ® 845GV chipset which is designed with the high performance 533/400 MHz system bus, interoperable DDR-SDRAM memory, and is optimized to support the Intel ® P4/P4-M processor supporting Hyper-Threading Technology.

The Prox-L401 provides USB 2.0 up to 4 ports. With a much higher bandwidth, USB 2.0 can reach data rates up to 480Mbps; nearly 40 times faster than that of present USB 1.1. The Prox-L401 also integrates Realtek AC'97 codec sound chip, which supports excellent audio quality up to two channels for full surround sound capability.

Onboard with two LANs, Intel ® 82562 ET PHY with 10/100 base Ethernet and Intel ® 82551QM or Intel ® 82541GI up to 1Giga speed, Prox-L401 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 DDR200/266/333 SDRAM. Expansion slots are also available for 1 PCI, 1 PPCI & 1 Compact Flash slot.

Further standard features include two EIDE interfaces, one FDD, four serial ports (COM2 is selectable for RS232/ 422/485; COM3 and COM4 are powered serials), one parallel, one KB, one mouse, and one IrDA.

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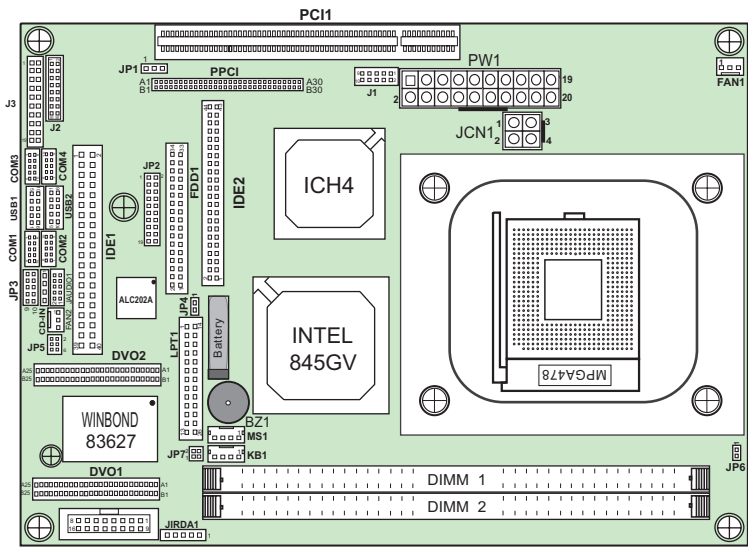http://www.protech.com.tw

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Prox-L401 *Socket 478 P4/P4-M 5.25" Board with VGA/Sound/2LAN*

Specifications

CPU Type	Intel ® P4/P4-M CPU
CPU Voltage	Auto detect
CPU Frequency	1.7~3.06GHz & up reserved
Chipset	Intel ® 845GV Chipset with ICH4, FWH
DRAM	2 x 184-pin DDR DIMM up to 2GB
Cache	Built-in CPU
BIOS	Phoenix-Award PnP BIOS, 4MB, with VGA BIOS
I/O Chipset	LPC
IDE Interface	2 x EIDE (UDMA-100)
FDD Interface	1
Serial Port	4 x 16550 UART, COM2 for RS232/422/485
Parallel Port	1 x parallel (SPP/EPP/ECP)
Watchdog	16 level Watchdog Timer selectable w/ Reset/NMI
CMOS	Built-in ICH4
Keyboard	Mini DIN connector & external connector
Mouse	Mini DIN connector & external connector
Speaker	Internal buzzer
LAN	LAN1: Intel®82562ET PHY, 10/100 Base-TX Ethernet LAN2: Intel®82551QM or Intel ® 82541GI (10/100/1GB) Support Wake-on-LAN with ATX power

IrDA	1 x IrDA (SIR)
VGA	Built-in Intel®845GV, support CRT & DVO
Sound	AC '97 Codec
USB	4 x USB 2.0
Bus Interface	1 x PCI, 1 x PPCI & 1 x Compact Flash slot
Power Supply	Support AT/ATX power
Power Requirement	+5V
Hardware Monitor	Voltage, CPU temp. & cooling fan
Green Function	Controlled by hardware & software

Mechanical and Environment

Operation Temp.	0˚C ~ 60˚C, 32˚F ~ 140˚F
Storage Temp.	-40˚C ~ 85˚C, -40˚F ~ 185˚F
Humidity	20~90%
Vibration	2.5g acceleration over 5 to 2000Hz sine wave(p-p), 1 oct/min sine sweep
Shock	30g, 11 msec duration, half-sine shock pulse
Dimension	203mm x 146mm, 7.99" x 5.75"

Certificate: CE, FCC CLASS A

ORDERING INFORMATION

Prox-L401 with VGA/Sound/LAN1/LAN2:Giga LAN

PERFORMANCE & POWER CONSUMPTION

CPU Type	3D Mark 2001 SE Build 330	PC Mark 2002	Power Consumption +5V / +12V / +5VSB
Pentium ® 4 3.06GHz	1903	7463	3.42A / 7.82A / 0.15A
Pentium ® 4-M 1.7GHz	1563	4200	3.17A / 2.64A / 0.17A

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