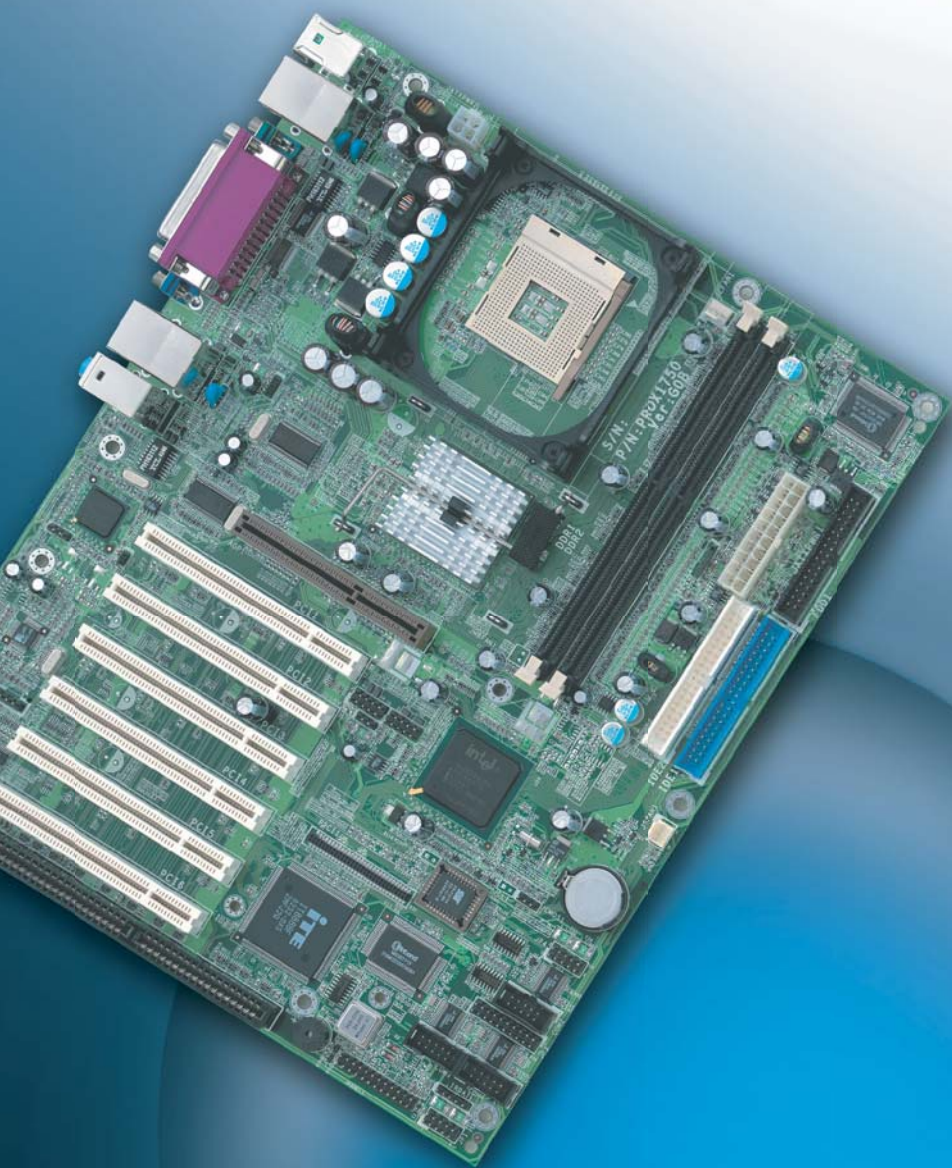


SBC



Prox-1750-G2

Socket 478 P4/P4-M
Motherboard with
VGA/Sound/2LAN

Prox-1750-G2 is fitted with the Intel 845GE/GV chipset which is designed with the high performance 533/400 MHz system bus, integrated Intel® Extreme Graphics technology, AGP4X card support, interoperable DDR-SDRAM memory, and is optimized to support the Intel® P4 processor supporting Hyper-Threading Technology. The Prox-1750-G2 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 Prox-1750-G2 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 10/100 base Ethernet and Intel® 82551QM or Intel® 82540EM up to 1Giga speed, Prox-1750-G2 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 6 PCI, 1 ISA, and 1 PPCI port.

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.



PROTECH SYSTEMS

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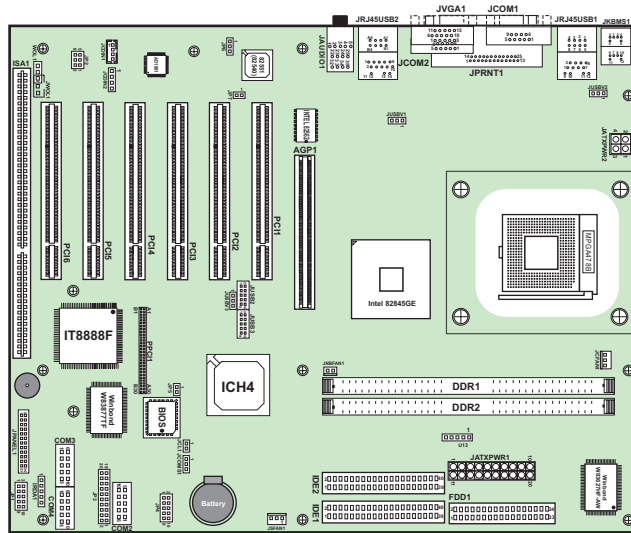
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Prox-1750-G2

Socket 478 Motherboard with VGA/Sound/2LAN



Specifications

CPU Type	Intel® P4/P4-M CPU
CPU Voltage	Auto detect
CPU Frequency	1.4~3.X GHz & up reserved
Chipset	Intel® 845GE/GV Chipset with ICH4, FWH
DRAM	2 x 184-pin DDR DIMM up to 2GB
Cache	Built-in CPU
BIOS	Phoenix-Award PnP BIOS, 2MB, with VGA BIOS
I/O Chipset	LPC & Winbond
IDE Interface	2 x EIDE (UDMA-33/66/100/133)
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
Mouse	Mini DIN connector
Speaker	Internal buzzer
IrDA	1 x IrDA (SIR)
VGA	Built-in Intel®845GE/GV, support CRT & DVO (optional)
LAN	LAN1: Intel®82562ET PHY, 10/100 Base-TX Ethernet LAN2: Intel®82551QM or Intel® 82540EM (10/100/1GB) Support Wake-on-LAN

Sound	Realtek ALC202A, AC '97 Codec
USB	4 x USB 2.0, another two with pin header
Bus Interface	1 ISA, 6 PCI, & 1 PPCI Bus
Power Supply	Support ATX 12V power
Power Requirement	+5V, +12V, and +3.3V
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	305mm x 244mm, 12" x 9.61"
Certificate: CE, FCC CLASS A	

ORDERING INFORMATION

Prox-1750-G2 with VGA/Sound/LAN1/LAN2:10/100 LAN
Prox-1751-G2 with VGA/Sound/LAN1/LAN2:Giga LAN
Prox-1752-G2 with VGA/Sound/LAN1, w/o LAN2
Prox-1753-G2 with VGA/Sound/LAN1, w/o LAN2, COM3/4

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
Pentium® 4-M 2.0GHz	1165	4549	1.62A / 3.56A / 0.25A

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