SBC

Prox-1720

Socket 478 P4/P4-M CPU Card with VGA/Sound/LAN

Prox-1720 integrates the most demanded functions on board to give significant performance and reliability gains at lower cost.

It supports up to 3.06GHz P4/P4-M processor with 400/533MHz Front Side Bus, and two 184-pin 266MHz DDR SDRAM DIMM sockets capable of supporting 2GB of memory. Integrated Intel ® Extreme Graphics and hi-speed USB 2.0 and independent audio engine enable fast and exciting user experiences. Incorporating P4/P4-M processor and 845GV chipset with all the other necessary features, the Prox-1720 supports AGP 4X VGA and engenders compelling cost-effective mainstream applied computing platforms for intelligent terminals, multimedia consoles or net-work appliances.

The included DVO port simplifies support for digital displays. The Prox-1720 is also equipped with Intel ® 82562 EM PHY to provide fast 10/100 Base-TX Ethernet and support Wake-on-LAN functions.

Other standard features include two EIDE interfaces, one Compact Flash interface, one floppy interface, two serial, one parallel port, one infrared connector, one keyboard, mouse, speaker ports, one RJ-45 LAN, and four USB 2.0 ports.
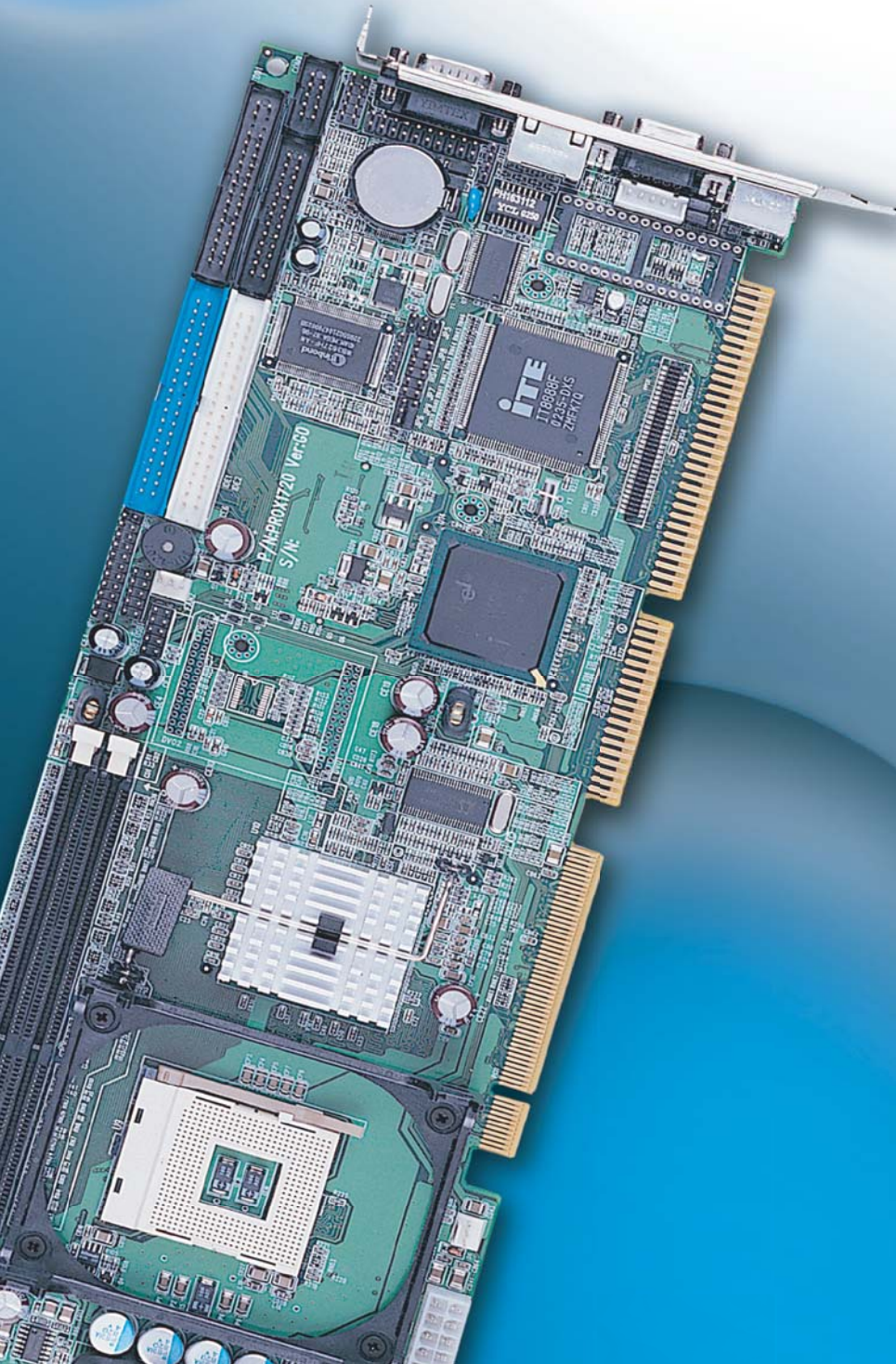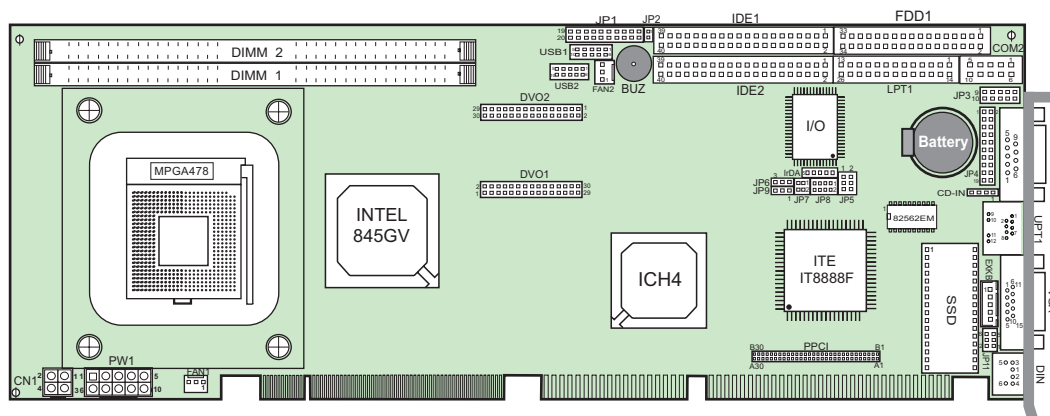
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ISO CERTIFIED
9001 14001

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Specifications

CPU Type	Intel® P4/P4-M Northwood CPU
CPU Voltage	Auto detect
CPU Frequency	1.4~3.06 GHz & 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 with VGA BIOS
I/O Chipset	Winbond W83627HF (LPC), ITE IT8888F
IDE Interface	2 x EIDE (UDMA-33/66/100)
FDD Interface	1
Serial Port	2 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 (selectable w/ keyboard/Y-cable)
Speaker	Internal buzzer
IrDA	1 x IrDA (SIR)
VGA	Built-in Intel® 845GV, supports CRT, DVO
LAN	Intel 82562EM PHY, 10/100 Base-TX Ethernet, 1 x RJ-45 Jack, support Wake-on-LAN

Sound	AC '97 Codec
SSD	32-pin socket supports DOC up to 288MB
USB	4 x USB 2.0
Bus Interface	ISA/PCI (PICMG Spec), 1 x Compact Flash slot PPCI Bus optional for PPCI Daughter Board
Power Supply	Support ATX 12V power or AT power Min. AT power requirement 5V: 60W, 12V: 100W
Power Requirement	+5V, +12V, +5V standby
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	338.5mm x 122mm, 13.33" x 4.8"

Certificate: CE, FCC CLASS A

ORDERING INFORMATION

Prox-1720 with VGA/Sound/LAN

PERFORMANCE & POWER CONSUMPTION

CPU Type	3DMark2001SE	Multimedia Content Winstone 2003	Power Consumption +5V and +12V
Pentium® 4 2.0GHz	1427	31.7	2.5A / 6.7A
Pentium® 4-M 1.7GHz	TBA	TBA	TBA
Pentium® 4 3.06GHz	1906	45	3.3A / 7.8A

PROTECH SYSTEMS
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