

SBC



Prox-1640

Socket 370 P-III CPU Card with VGA/Sound/2LAN

Prox-1640 is a socket 370 full-size CPU card designed to suit today's most advanced workstation, server, and other commercial or industrial applications.

The CPU card is designed based on Intel®815E chipset to support Intel® Celeron, P-III and Tualatin processors. Its VGA function is built in GMCH to perform CRT and LCD display. It also supports two 168-pin DIMM up to 512MB of memory.

Under the control of Intel®82559 & 82562ET chips, the CPU card can support 10/100 Mbps dual networking with Wake-on-LAN support.

Besides the VGA and dual LANs, the Prox-1640 is also equipped with an enhanced AC '97 sound chip providing 16-bit stereo full-duplex Codec.

In addition, the CPU card has 32-pin SSD socket built on board to support Disk-on-chip up to 288MB. Other features include IrDA, hardware monitoring function, 2 EIDE, 2 USB, 1 parallel, and 2 COM ports, one of which can be configured as RS-232/422 or RS-485.

Moreover, the card provides PPCI connector for other expansions by applying our PPCI daughter boards.



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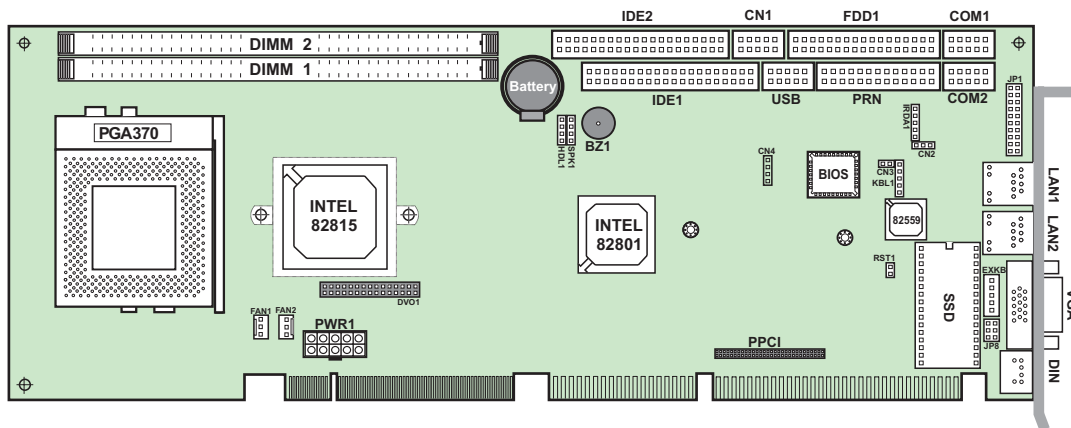
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Prox-1640 Socket 370 P-III CPU Card with VGA/Sound/2LAN



Specifications

CPU Type	Celeron™/P-III/Tualatin processors
CPU Voltage	Auto detect
CPU Frequency	566~1.X GHz & up reserved
Chipset	Intel®815E Chipset with ICH2, FWH
DRAM	2 x 168-pin DIMM up to 512MB
Cache	Built-in CPU
BIOS	Phoenix-Award PnP with VGA BIOS
I/O Chipset	ICH2 & LPC
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 ICH2, battery backup
Keyboard	Mini DIN connector & external connector
Mouse	Mini DIN connector (selectable w/ keyboard/Y-cable)
Speaker	Internal buzzer & external speaker connector
IrDA	1 x IrDA (SIR)
VGA	Built-in GMCH, 4M display cache, max. 64M shared memory, support CRT, PanelLink (optional)
LAN	Intel®82559 & 82562ET PHY, 10/100 Base-TX Ethernet, 2 x RJ-45 Jack, support Wake-on-LAN

Sound	AC '97 Codec
SSD	32-pin socket supports DOC up to 288MB
USB	2 x USB 1.1
Bus Interface	ISA/PCI (PICMG Spec), PCI Bus optional for PCI Daughter Board
Power Supply	Supports AT/ATX Backplane 10-pin ATX connector on board
Power Requirement	+5V and +12V
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 ~ 80 °C, -40 °F ~ 176 °F
Humidity	20~70%
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

ORDERING INFORMATION

- Prox-1640 with VGA/Sound/2LAN
- Prox-1641 with VGA/Sound, w/o 2LAN
- Prox-1643 with VGA/Sound/1LAN

PERFORMANCE & POWER CONSUMPTION

CPU Type	Business Winstone 99	CPU Mark 99	Power Consumption +5V and +12V
Pentium®III 850 MHz	71.3	71.5	6.5A / 500mA
Pentium®III 1.266 GHz	115	44	7.35A / 500mA

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