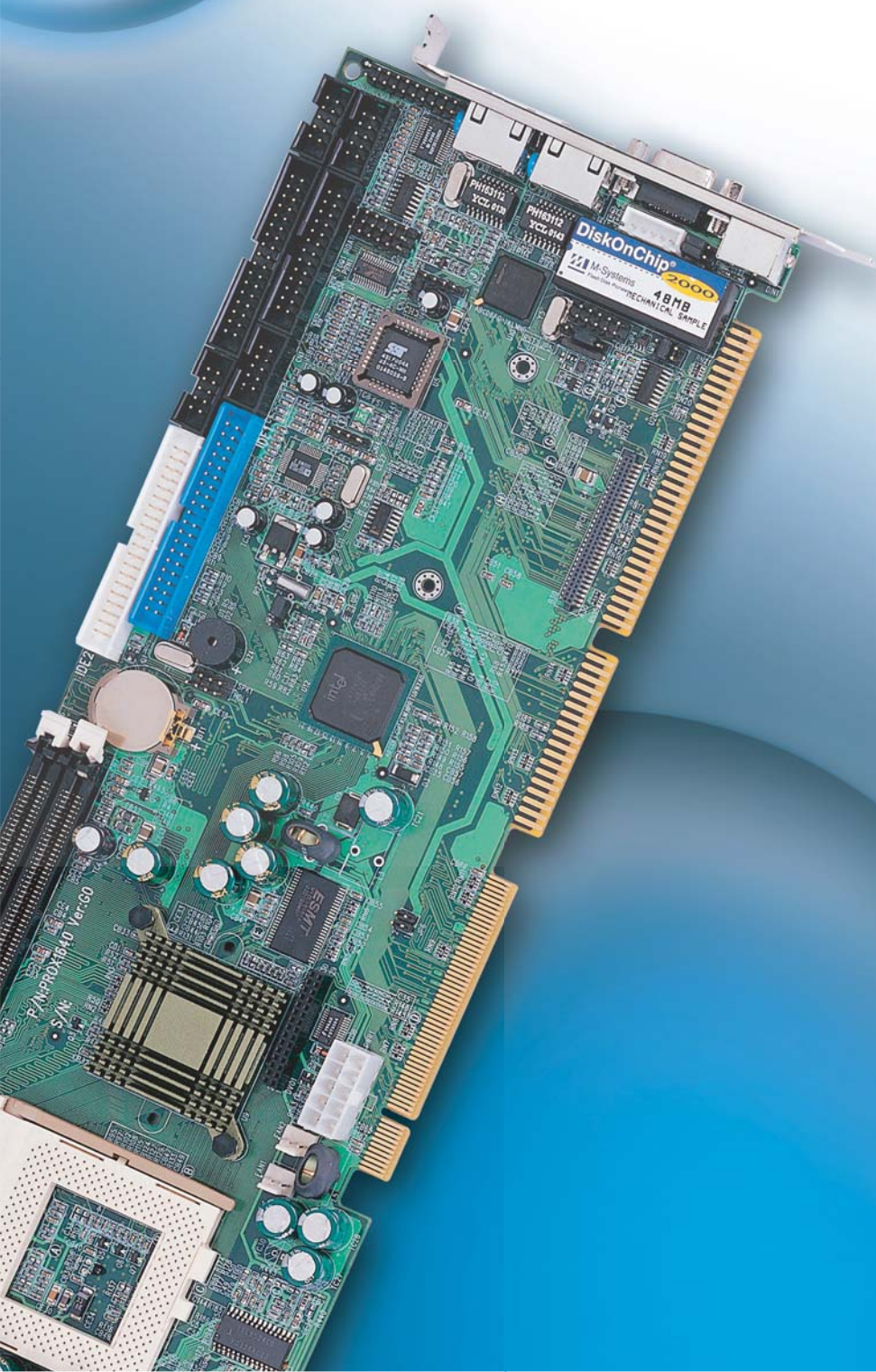


# SBC



## **PSB-1640**

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

**PSB-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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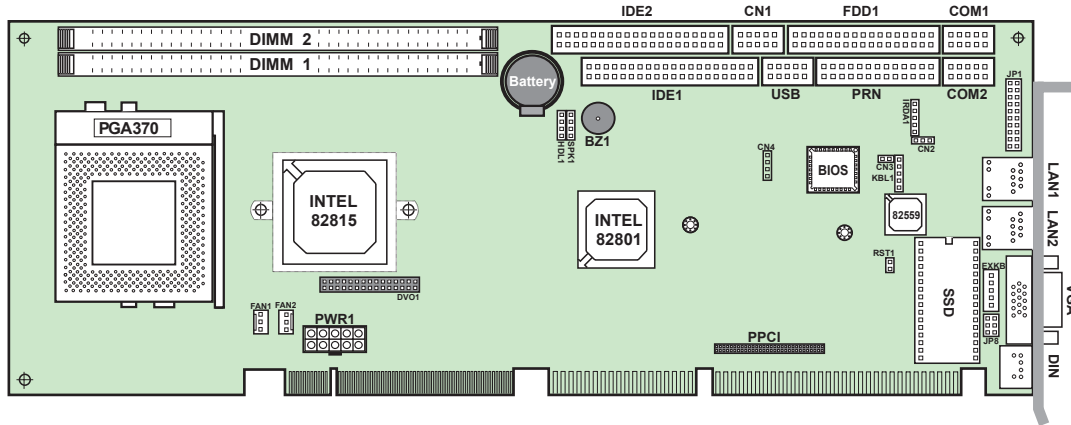
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# PSB-1640 Socket 370 P-III CPU Card with VGA/Sound/2LAN



## Specifications

<b>System</b>	
<b>CPU Type</b>	Intel® Pentium® III/Celeron® (Tualatin) processor
<b>CPU Frequency</b>	566MHz~1.26 GHz
<b>Chipset</b>	Intel® 815E + ICH2
<b>DRAM</b>	2x168-pin DIMM, support PC100/133 SDRAM up to 512MB
<b>BIOS</b>	Phoenix-Award PnP BIOS, with VGA BIOS
<b>Watchdog</b>	16 level Watchdog timer selectable w/Reset/NMI
<b>Power Supply</b>	Support AT/ATX power
<b>Power Requirement</b>	+5V and +12V
<b>Power Consumption</b>	+5V: 6.5A / +12V: 0.1A (Pentium® III 850MHz) +5V: 7.35A / +12V: 0.1A (Pentium® III 1.26GHz)
<b>Dimension</b>	338.5mm x 122mm (13.33"x 4.8")

## I/O Chipset

<b>IDE Interface</b>	2x40-pin IDE (UDMA 33/66/100)
<b>SSD</b>	32-pin socket supports DOC up to 288MB
<b>FDD Interface</b>	1
<b>Bus Interface</b>	PCI Bus
<b>Serial Port</b>	2 x COM ports, COM1 for RS232, COM2 for RS232/422/485 ( for 16550 compatible type of UART)
<b>Parallel Port</b>	1 x parallel (SPP/EPP/ECP)

<b>IrDA</b>	1 (SIR)
<b>Keyboard</b>	Mini DIN connector or external connector
<b>Mouse</b>	Mini DIN connector (selectable w/ KB) or Y-cable
<b>LAN</b>	LAN 1: Intel 82562EM (10/100Mbps) LAN 2: Intel 82559 (10/100Mbps) Support Wake-on-LAN with ATX power
<b>Audio</b>	AC '97 Codec, analog devices AD1881A With Line-in/Line-out/MIC
<b>USB</b>	2 x USB 1.1

## Display

<b>Graphic</b>	Built-in Intel 815E, 4MB display cache SDRAM Share system memory, support CRT & DVO
<b>LCD Interface</b>	DVO

## Environment

<b>OperationTemp.</b>	0°~60°C(32°~140°F)
<b>Storage Temp.</b>	-40°~85°C(-40°~185°F)
<b>Humidity</b>	Operation humidity 20~90%, storage humidity 20~95%

## Ordering Information

<b>PSB-1640-E2</b>	PICMG S370 PIII CPU card with VGA /audio /LANx2
<b>PSB-1640</b>	PICMG S370 PIII CPU card with VGA /audio /LAN
<b>Certificate: CE, FCC, CLASS A</b>	

## 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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