

# SBC

## PSB-1720

### Socket 478 P4 CPU Card with VGA/Sound/LAN

**PSB-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 processor with 400/533MHz front side bus, and two 184-pin 333MHz 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 Pentium® 4 processor and 845GV chipset with all the other necessary features, the PSB-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 PSB-1720 is also equipped with Intel® 82562 EM to provide fast 10/100Mbps 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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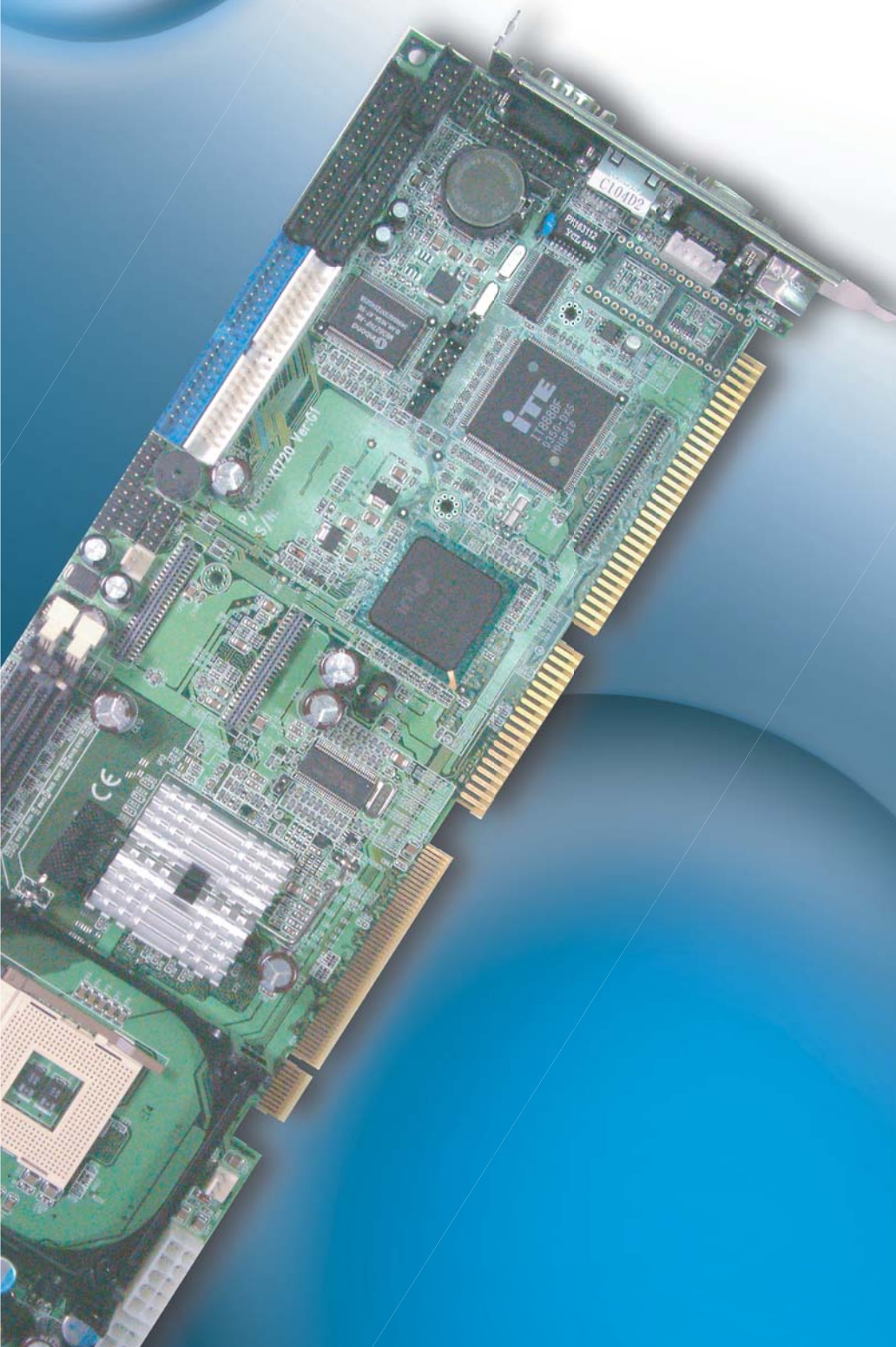
Email: [sales@protech.com.tw](mailto:sales@protech.com.tw)

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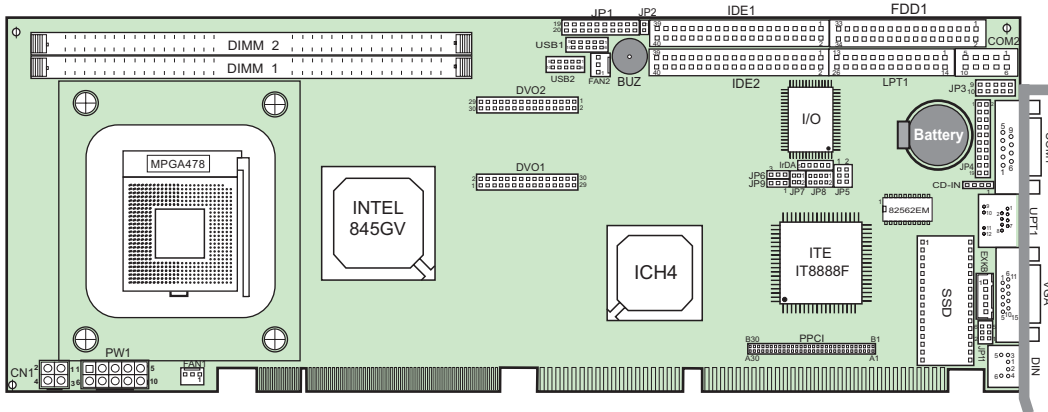
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# PSB-1720

Socket 478 Pentium® 4 CPU Card with VGA/Sound/LAN



Specifications	
<b>System</b>	
<b>CPU Type</b>	Intel®Pentium® 4/ Celeron®(Northwood)processor
<b>CPU Frequency</b>	1.4~3.06GHz
<b>Chipset</b>	Intel®845GV + ICH4
<b>DRAM</b>	2x184-pin DDR DIMM, support DDR333 SDRAM up to 2GB
<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>	Supports AT/ATX power
<b>Power Requirement</b>	+5V, +12V, +5VSB. Minimum AT power Requirement, 5V:50W; 12V:100W.
<b>Power Consumption</b>	+5V: 2.93A/ +12V: 3.5A (Pentium® 4-2.0 GHz) +5V: 2.9A/ +12V: 3.3A (Celeron 1.7 GHz)
<b>Dimension</b>	338.5mm x 122mm (13.33" x 4.8")
<b>I/O Chipset</b>	
<b>IDE Interface</b>	2x40-pin IDE (UDMA 33/66/100)
<b>SSD</b>	32-pin socket supports DOC up to 288MB
<b>CF</b>	1 x compact flash slot (IDE)
<b>FDD Interface</b>	1
<b>Bus Interface</b>	PPCI 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>	Intel®82562EM (10/100Mbps) Supports Wake-on-LAN with ATX power
<b>Audio</b>	AC '97 Codec, Realtek ALC202A with Line-in/Line-out/MIC
<b>USB</b>	4 x USB 2.0

Display	
<b>Graphic</b>	Built-in Intel® 845GV, share system memory, supports CRT & DVO
<b>LCD Interface</b>	DVO

Environment	
<b>Operation Temp.</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-1720</b>	PICMG S478 P4 CPU card with VGA /Audio /LAN
<b>Certificate:</b>	CE, FCC, CLASS A

## PERFORMANCE & POWER CONSUMPTION

CPU Type	3DMark2001SE	Multimedia Content Winstone 2003	Power Consumption +5V and +12V
Pentium® 4 2.4GHz	1427	31.7	2.5A / 6.21A
Pentium® 4 3.06GHz	1906	45	3.3A / 7.8A

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