

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.



No. 24, Lane 365, Yang Guang St., Nei Hu District, Taipei 114, Taiwan, R.O.C.

Tel: +886-2-8751-1111

Fax: +886-2-8751-1199

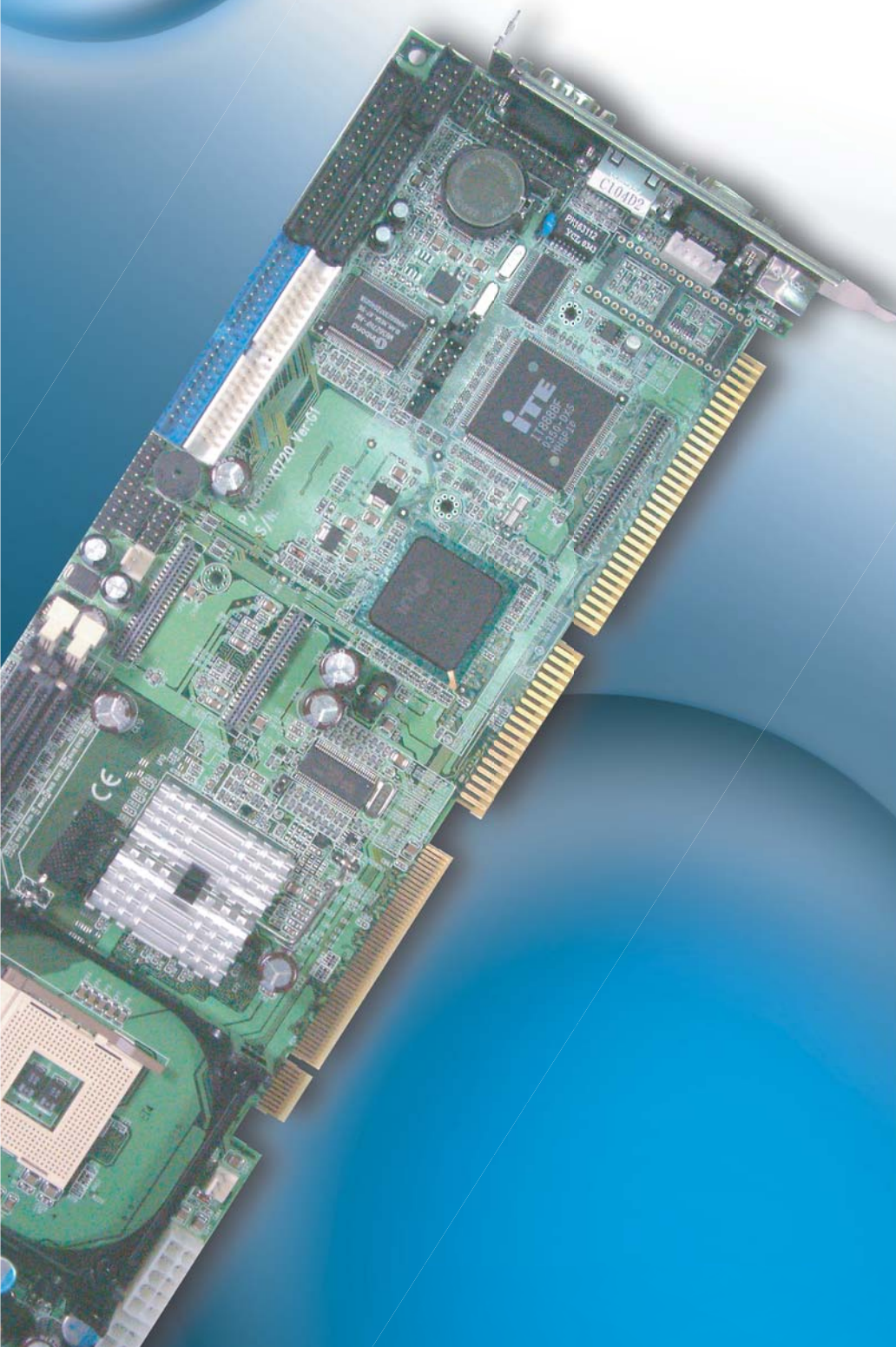
Email: sales@protech.com.tw

<http://www.protech.com.tw>

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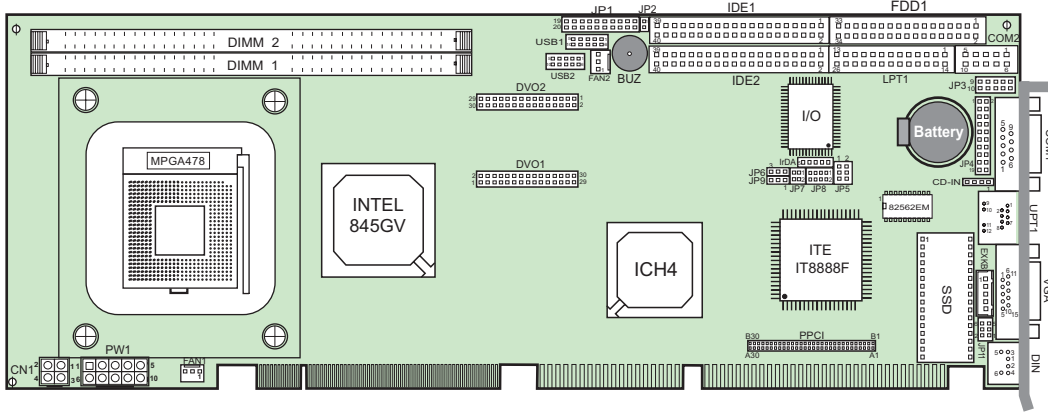
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PSB-1720

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



Specifications	
System	
CPU Type	Intel®Pentium® 4/ Celeron®(Northwood)processor
CPU Frequency	1.4~3.06GHz
Chipset	Intel®845GV + ICH4
DRAM	2x184-pin DDR DIMM, support DDR333 SDRAM up to 2GB
BIOS	Phoenix-Award PnP BIOS, with VGA BIOS
Watchdog	16 level Watchdog timer selectable w/Reset/NMI
Power Supply	Supports AT/ATX power
Power Requirement	+5V, +12V, +5VSB. Minimum AT power Requirement, 5V:50W; 12V:100W.
Power Consumption	+5V: 2.93A/ +12V: 3.5A (Pentium® 4-2.0 GHz) +5V: 2.9A/ +12V: 3.3A (Celeron 1.7 GHz)
Dimension	338.5mm x 122mm (13.33" x 4.8")
I/O Chipset	
IDE Interface	2x40-pin IDE (UDMA 33/66/100)
SSD	32-pin socket supports DOC up to 288MB
CF	1 x compact flash slot (IDE)
FDD Interface	1
Bus Interface	PPCI BUS
Serial Port	2 x COM ports, COM1 for RS232, COM2 for RS232/422/485 (for 16550 compatible type of UART)

Parallel Port	1 x parallel (SPP/EPP/ECP)
IrDA	1 (SIR)
Keyboard	Mini DIN connector or external connector
Mouse	Mini DIN connector (selectable w/ KB) or Y-cable
LAN	Intel®82562EM (10/100Mbps) Supports Wake-on-LAN with ATX power
Audio	AC '97 Codec, Realtek ALC202A with Line-in/Line-out/MIC
USB	4 x USB 2.0

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

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

Ordering Information	
PSB-1720	PICMG S478 P4 CPU card with VGA /Audio /LAN
Certificate:	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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