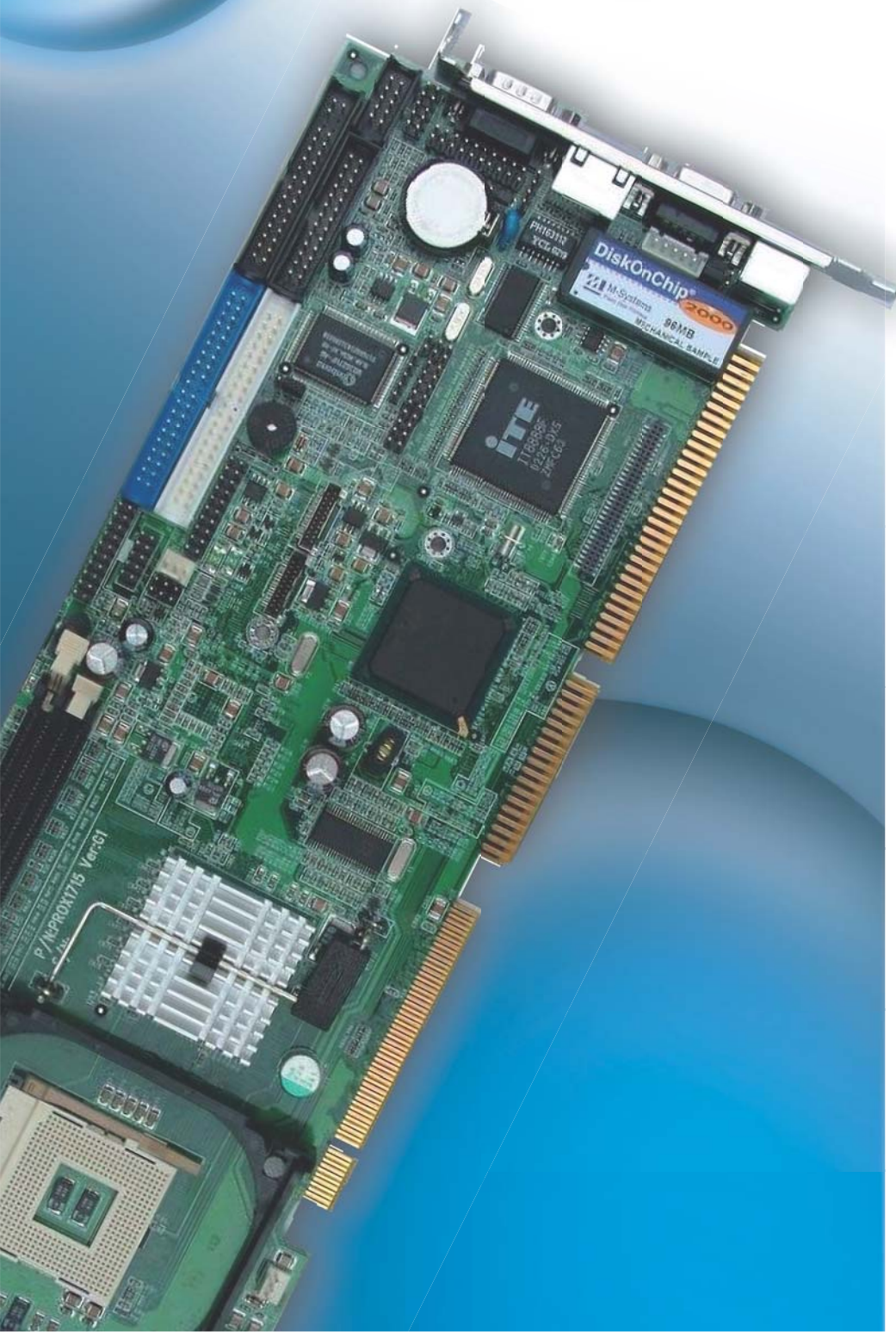# SBC

PSB-1715

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

PSB-1715 is elaborately designed. Powered by Intel® 845E chipset which support the Intel Pentium® 4 processor built with Intel's 0.13-micron technology, the Pentium® 4 processor delivers significant performance gains for use in multimedia computing, business solutions and all your processing needs. The PSB-1715 can run up to P4 2.X GHz that is the fastest CPU available on the market, bringing industrial automation to a high-speed world. Not only does the PSB-1715 support Intel® most advanced processors, it is also deployed with an effective VGA controller to enhance its function. Equipped with ATI Mobility M6 VGA chipset, the CPU card is empowered to support AGP 4x standard, which makes it an ideal engine for 3-D graphics.

While exceeding the speed limit, the PSB-1715 is also strengthened with a great memory system. Two 184pins DDR DIMM are onboard to support up to 2GB DDR SDRAM and ECC registered module as well under the control of Intel® 845E chipset. With the high-speed performance and great capacity of memory, the PSB-1715 is the most powerful CPU card than ever before.

Intel®
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ISO CERTIFIED
9001 **14001**

PSB-1720

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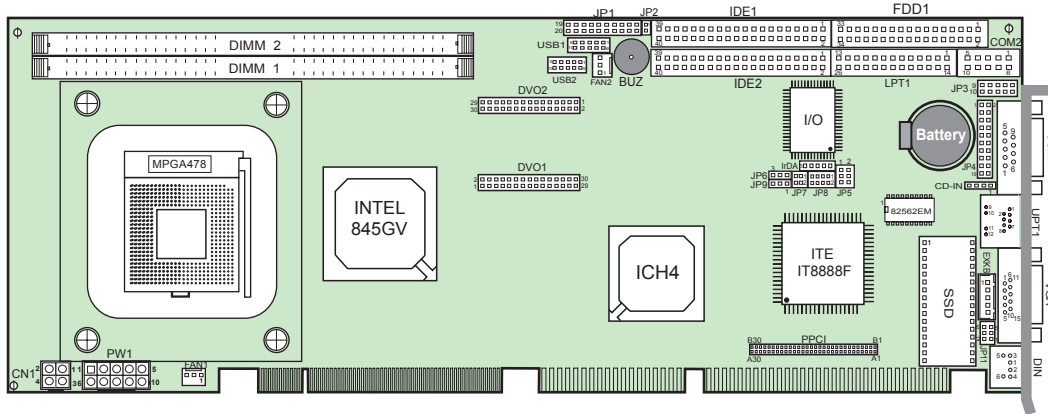
Specifications

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	Support 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) Support Wake-on-LAN wtih 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, support CRT & DVO
LCD Interface	DVO

Environment

OperationTemp.	0°~60°C(32°~140°F)
Storage Tmp.	-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 2.0GHz	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

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