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Full-Size SBC				
<a href="#">PCG-820 <b>New</b></a>	<a href="#">PCG-230 <b>New</b></a>	<a href="#">CITSMP <b>New</b></a>	<a href="#">CITSM</a>	<a href="#">R17SM</a>
<a href="#">CI7BM</a>	<a href="#">CI7BML</a>	<a href="#">CI7SM</a>	<a href="#">CI7SMP</a>	<a href="#">CI7ZS</a>
<a href="#">CI6BM</a>	<a href="#">CI5TTV+</a>	<a href="#">CI5TTV</a>		



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### Feature

- Intel Pentium 4 (Northwood) processor with 512 KB L2 Cache
- The Frequency for CPU is up to 3.06 GHz, FSB up to 400/533MHz
- Ultra DMA 33/66/100 IDE Support
- Onboard Intel 82845G(GV,GE) VGA Chip with CRT, DVI (Optional) Interface function support
- AC97 2.0 Audio CODEC Support
- CompactFlash Disk Socket (Type I/ II) and Standard MiniPCI expansion Socket Support
- Dual Ethernet LAN support Intel 82562ET 10/100Base-TX (PHY) + 82551QM 10/100Mbps or 82540EM 10/100/1000 Base-T(X) Fast Gigabit Ethernet controller (optional) Support
- ISA 64mA High Drive capacity for Server and multiple ISA platform

### SPECIFICATIONS

<b>Form Factor</b>	338mm x 122mm (13.3" x 4.8") Full Size PICMG SBC
<b>Processor Socket</b>	Socket 478
<b>Processor</b>	Intel Pentium 4 (Northwood), up to 3.06GHz
<b>Chipset</b>	Intel 845G(GV,GE) with Intel 82801DB (ICH4) Chipset
<b>BIOS</b>	Award Plug & Play license BIOS 4MB ROM to support APM, ACPI
<b>Bus Speed</b>	66MHz / 100MHz / 133MHz
<b>Power Management</b>	ACPI
<b>L2 Cache</b>	CPU Integrated
<b>System Memory</b>	184-pin DIMM x 2 Max. 2 GB DDR SDRAM (200MHz/ 266MHz)
<b>Multi-I/O</b>	Winbond W83627HF COM1/COM2:RS-232 with 16 byte FIFO
<b>Parallel Port</b>	1 x high speed Bi-directional SPP/ECP/EPP
<b>IDE Interface</b>	2 x ATA-33/66/100MHz (ICH4)
<b>FDD Interface</b>	1 x FDD
<b>Hardware Monitoring</b>	Detection of CPU temperature, board temperature, power failure, and FAN failure
<b>VGA</b>	845G(GV,GE) embedded --> CRT connector
<b>DVI</b>	DVI / LVDS connector
<b>LAN</b>	Intel PRO/1000 LAN (82540EM) / Intel PRO/100+ LAN (82551QM) Intel PRO/100+ LAN (ICH4 +82562ET)
<b>USB</b>	2 x USB 2.0
<b>Compact Flash</b>	1 x Expansion multifunction for ComapctFlash Card (Type I, II)
<b>MiniPCI</b>	1 x Expansion multifunction for MiniPCI Socket
<b>IrDA</b>	Pin header
<b>Power Supply Connector</b>	ATX/ AT Power
<b>Keyboard/Mouse</b>	PS/2 type mini-DIN connector
<b>ISA capability</b>	ISA High Drive, PCI to ISA bridge
<b>Operating Temperature</b>	0°C~60°C
<b>Humidity</b>	5%~95%

### Ordering Guide

	<b>PCG-820</b>	<b>PCG-820E</b>	<b>PCG-820GV</b>	<b>PCG-820GV-E</b>	<b>PCG-820UL</b>
<b>CPU</b>	Intel Pentium 4 3.06GHz				
<b>CPU FSB</b>	400/ 533MHz				

<b>Chipset</b>	Intel 82845G	Intel 82845G	Intel 82845GV	Intel 82845GV	Intel 82845GE
<b>Memory</b>	DDR 200/266	DDR 200/266	DDR 200/266	DDR 200/266	DDR 200/266/333
<b>FSB</b>					
<b>LAN</b>	82562ET + 82551QM	82562ET	82562ET + 82551QM	82562ET	82562ET
<b>DVI</b>	DVI / LVDS	---	DVI / LVDS	---	---
<b>USB</b>	2 x USB 2.0	2 x USB 2.0	2 x USB 2.0	2 x USB 2.0	2 x USB 2.0
<b>Audio</b>	AC97 codec	AC97 codec	AC97 codec	AC97 codec	AC97 codec
<b>Extension</b>	1 x CF Type I/II 1 x MiniPCI	1 x CF Type I/II 1 x MiniPCI	1 x CF Type I/II 1 x MiniPCI	1 x CF Type I/II 1 x MiniPCI	1 x CF Type I/II 1 x MiniPCI
	---	---	Support Hyper-Threading Technology	Support Hyper-Threading Technology	Support Hyper-Threading Technology



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