

SBC

PSB-1688

Socket 370 Full-size CPU Card with VGA/LAN

PSB-1688 offers excellent performance and powerful functions, making it the best total solutions on the market.

Based on the Socket 370 design, the PSB-1688 supports Intel® Celeron®, Pentium® III and VIA C3 processors running up to 1.26GB. This full-size CPU card supports up to 2GB memory integrated two 184-pin DDR DIMM sockets. With an additional socket for the Compact Flash™ bootable IDE-compatible flash memory module, the PSB-1688 ensures exceptional expansion capabilities. Embedded with VIA CLE266 chipset, it can support multiple displays including CRT, and LCD(TTL) with shared system memory. Equipped with Realtek RTL 8100BL chip provides PSB-1688 10/100 Mbps Ethernet speed and Wake-on-LAN functions. The powerful functions and reliable performance are replies to customer responses and again, the proof of Protech Systems capability both in RD and manufacturing.

With other mainstream functions, the PSB-1688 also provides four USB 2.0 ports that enable high-speed serial communication up to 480Mbps. Two IDE (UMDA-33/66/100/133) interfaces, one FDD, two serial ports, one parallel, one IrDA, one keyboard, mouse and speaker ports are also supported.



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

Tel: +886-2-8751-1111

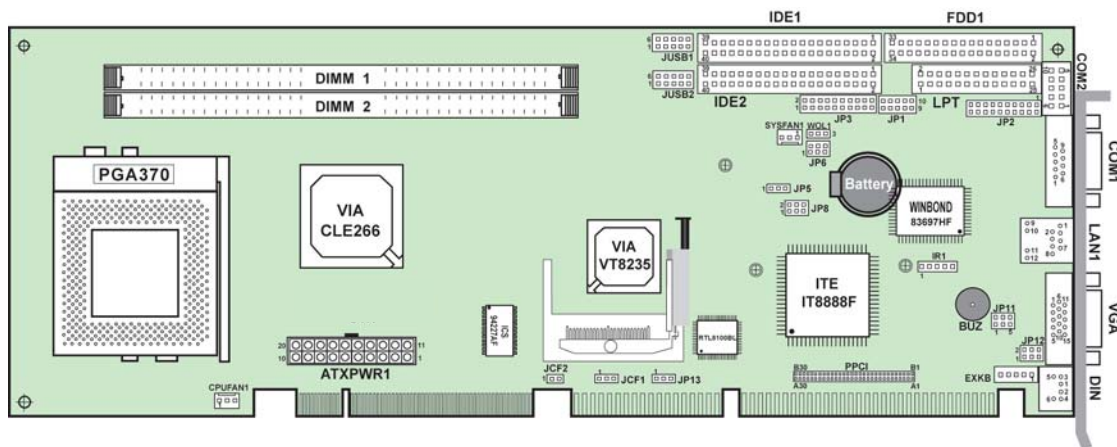
Fax: +886-2-8751-1199

Email: sales@protech.com.tw

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

ISO CERTIFIED
9001 14001

PSB-1688 *Socket 370 P-III Full-size CPU Card with VGA/LAN*



Specifications	
System	
CPU Type	Intel®Pentium® III/ Celeron® (Tualatin) processor VIA C3 processor
CPU Frequency	Intel®566MHz~1.26GHz; VIA 700MHz~1GMHz
Chipset	VIA CLE266 + VT8235
DRAM	2x184-pin DDR DIMM, support DDR266 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 and +12V
Power Consumption	+5V: 7.7A / +12V: 0.1A (Pentium® III 1GHz) +5V: 6.5A / +12V: 0.1A (Celeron® 1.2GHz) +5V: 6.4A / +12V: 0.1A (VIA C3 1GHz)
Dimension	338.5mm x 122mm (13.33" x 4.8")
I/O Chipset	
IDE Interface	2x40-pin IDE (UDMA 33/66/100/133)
CF	1 x compact flash slot (IDE)
FDD Interface	1
Serial Port	2 x COM ports, COM1 for RS232, COM2 for RS232/422/485 (for 16550 compatible type of UART)

Bus Interface	PCI BUS
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	Realtek RTL8100BL (10/100Mbps)
USB	Supports Wake-on-LAN with ATX power 4 x USB 2.0
Display	
Graphic	Built-in VIA CLE266, share system memory, supports CRT & TTL
LCD Interface	18/24-bit TTL
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-1688	PICMG S370 PIII CPU card with VGA/LAN
Certificate:	CE, FCC, CLASS A

PERFORMANCE & POWER CONSUMPTION

CPU Type	Business Winstone 99	CPU Mark 99	3D Mark 2001 SE	Power Consumption +5V and +12V
Pentium®III 1GHz	44.9	88.7	911	7.7A / 500mA
Celeron™ 1.2GHz	36.4	98.3	814	6.5A / 500mA
VIA C3 1GHz	40.3	66.1	701	6.4A / 500mA

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