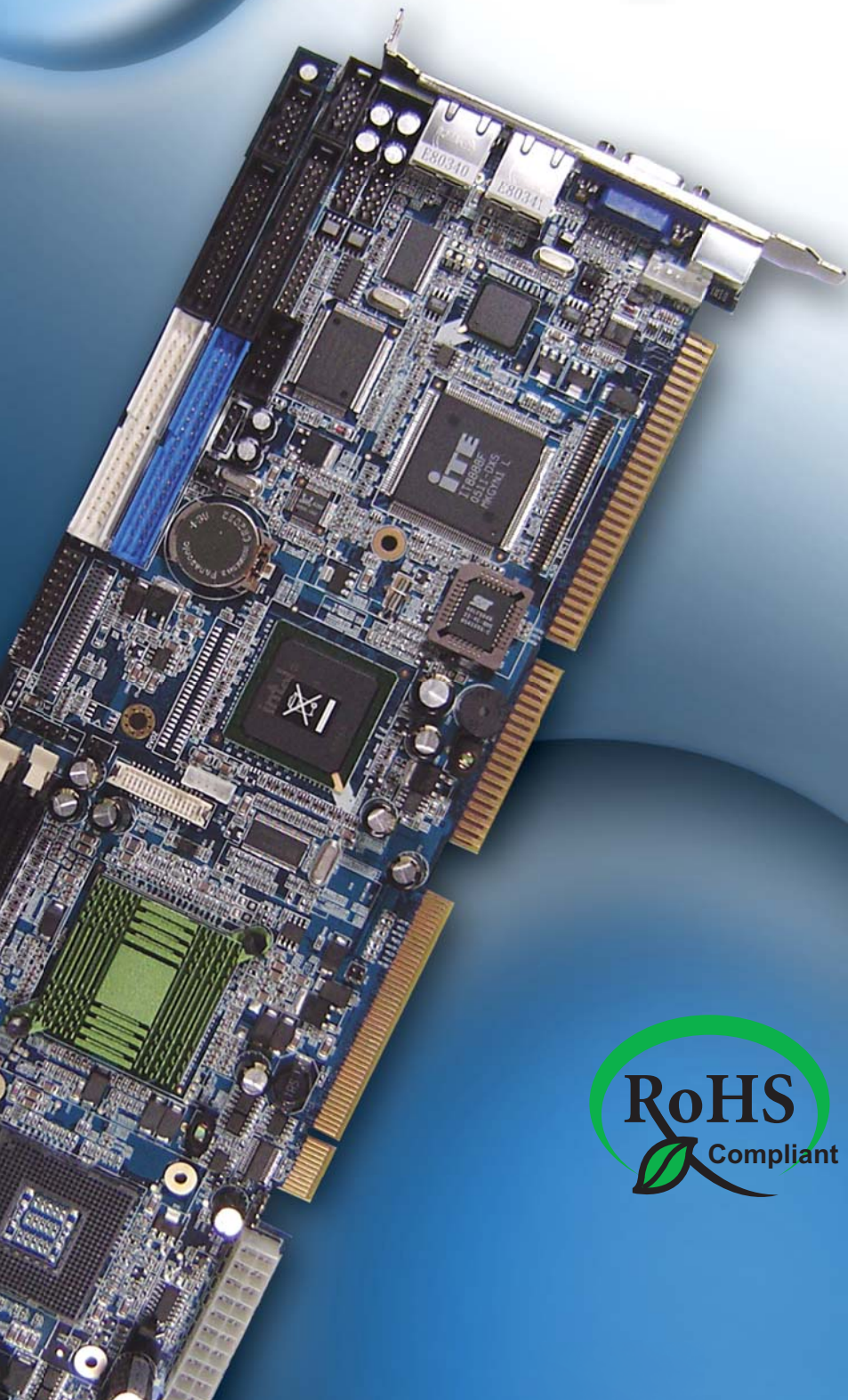


SBC



PSB-501LF

Socket 478 Pentium® M
CPU Card w / VGA /
Audio / 2LAN

PSB-501LF is the new Pentium® M single board computer based on the latest Intel® processor, Pentium® M and Intel® 855GME chipset. The Pentium® M series allow systems to be thin, light and with low power design. With innovative power management, it enables computer to run robust application with low power consumption. It is an excellent balance of performance and electrical expenditure. In addition, the new Pentium® M series also provide high speed networking availability, supporting dual LAN ports up to 1000Mbps with Intel® 82541GI chipset. The PSB-501LF supports Intel® Pentium® M processor up to 2.0GHz with 400MHz front side bus, and two 184-pin 333MHz DDR SDRAM DIMM sockets capable of supporting 2GB of memory. With onboard Intel® 855GME chipset, the PSB-501LF provides multi display functions, including CRT, and LVDS LCD. Also with an additional socket for the Compact Flash™ bootable IDE-compatible flash memory module, the PSB-501LF ensures exceptional expansion capabilities. Other powerful functions of PSB-501LF are 2 COM ports, 4 high speed USB2.0 ports, AC '97 Codec, keyboard/mouse connectors, 2 EIDE (UDMA 33/66/100) interfaces, printer port, and etc.



PROTECH SYSTEMS

It's the right choice

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>

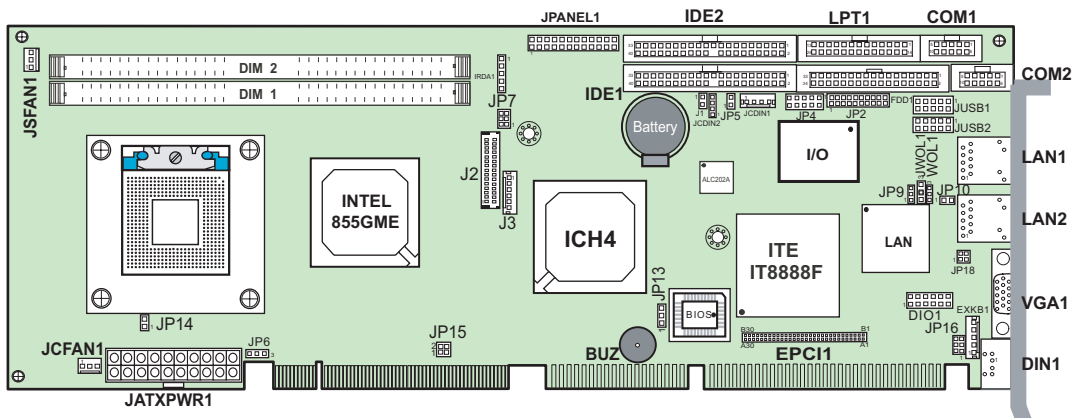


ISO CERTIFIED

9001 14001

PSB-501LF

Socket 478 Pentium® M CPU Card w / VGA / Audio / 2LAN



Specifications

System	
CPU Type	Intel® Pentium® M / Celeron® M processor
CPU Frequency	1.3~2.0GHz
Chipset	Intel® 855GME + ICH4 (FSB : 400MHz)
DRAM	2 x 184-pin DDR DIMM, support DDR333 SDRAM up to 2GB
BIOS	Phoenix-Award PnP BIOS, with VGA BIOS
Watchdog	1~255 secs Watchdog timer selectable w / Reset / NMI
Power Supply	Supports AT / ATX power
Power Requirement	+5V, +12V, -12V
Power Consumption	+5V : 2.8A / +12V : 1.93A -12v : 0.03A (Pentium® M 1.3GHz)
Dimension	338.5mm x 122mm (13.33" x 4.8")
I/O Chipset	
IDE Interface	2 x 40-pin IDE (UDMA 33/66/100)
CF	1 x compact flash slot (IDE)
FDD Interface	1
Bus Interface	EPCI 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	LAN 1 : Intel® 82562ET (10/100Mbps) LAN 2 : Intel® 82541PI (10/100/1000Mbps) Support 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® 855GME, share system memory Support CRT, LVDS, DVO
LCD Interface	18/36-bit LVDS, DVO

Environment	
OperationTemp.	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-501LF	PICMG S478 Pentium-M / Celeron-M CPU card w VGA / Audio / LAN x 2 (10/100Mbps & 10/100/1000Mbps)
Certificate: CE, FCC, CLASS A	

PERFORMANCE & POWER CONSUMPTION

CPU Type	Business Winstone 2002	3Dmark 2001SE Build 330	CC Winstone 2001	Power Consumption +5V / +12V
Celeron® M 1.3GHz	28.8	2155	81.7	3.71A / 2.27A
Pentium® M 1.4GHz	32.4	2223	87.8	3.49A / 2.37A

All of trademarks and brand names are the property of their owners. Trademark "Protech" is the property of Protech Systems Co., Ltd. All information contained in this document is subject to change without any prior notice. This catalog is copyrighted in DEC. 2006