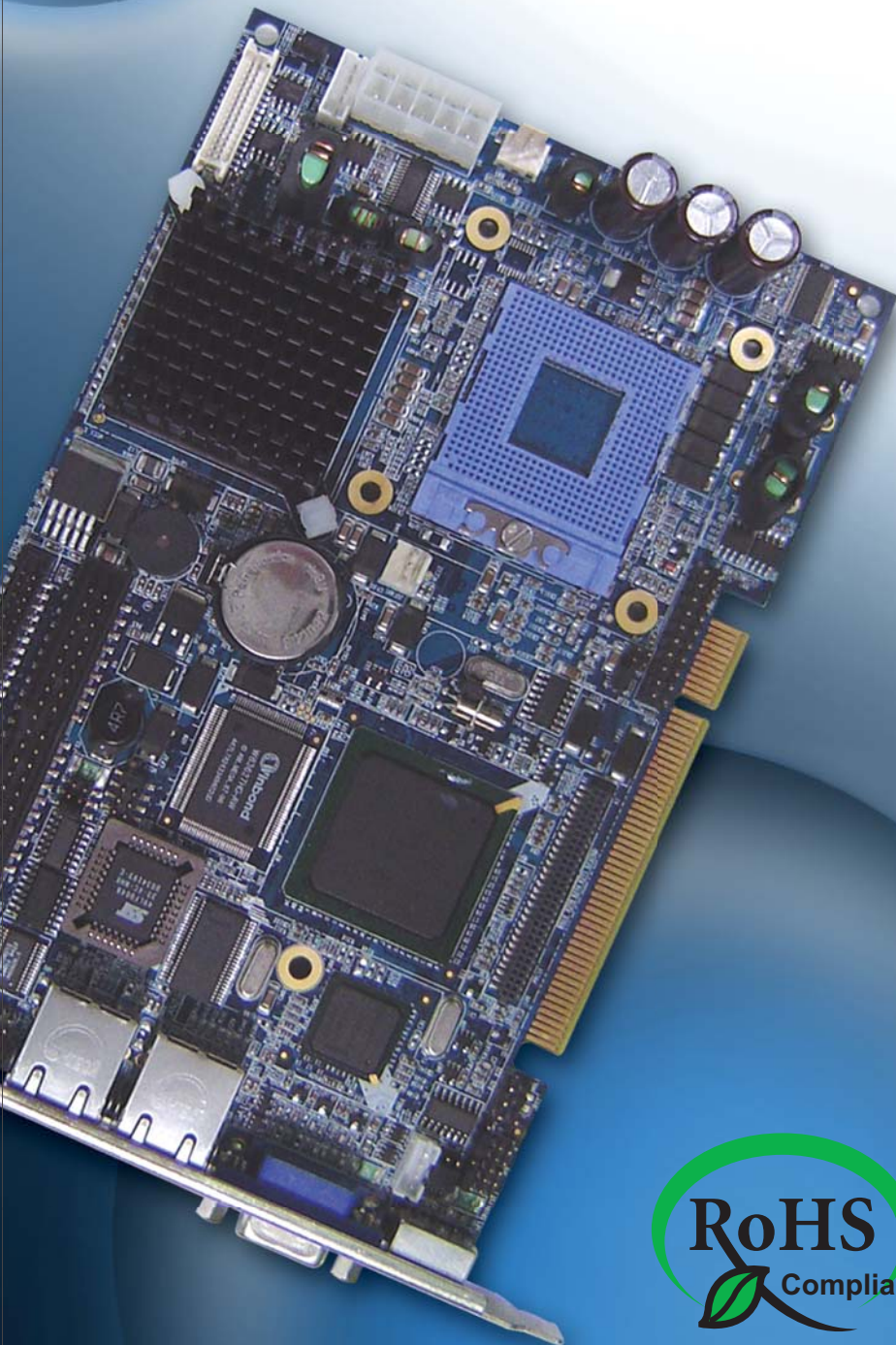


SBC



PCI-501LF

PCI Socket 478

Pentium® M CPU Card
w / VGA / 2LAN

PCI-501LF is a 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® 82541PI chipset.

This half-size PCI bus board supports Intel® Pentium® M processor up to 2.0GHz, and one 200-pin DDR SO-DIMM memory up to 1GB. It's also equipped with a Compact Flash™ bootable IDE-compatible flash memory module for expansion capabilities. The PCI-501LF supports 2 USB2.0 ports that accelerate the speed of data transaction. Other standard features of PCI-501LF include 2 COM ports, with COM2 selectable for RS232/422/485, 1 EIDE interface, 1 parallel port, keyboard/mouse connector, 1 IrDA port, and 1 EPCI connector for expansion slot.



PROTECH SYSTEMS

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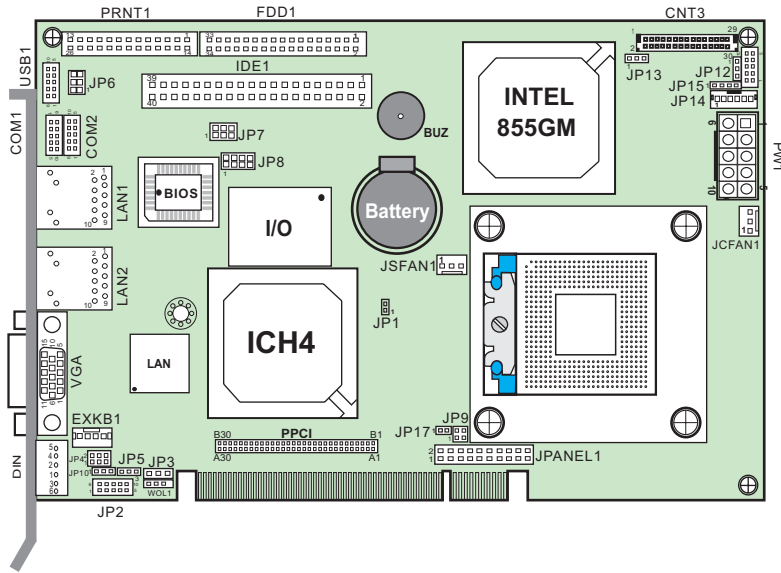


ISO CERTIFIED

9001 14001

PCI-501LF

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



Specifications

System	
CPU Type	Intel® Pentium® M / Celeron® M processor
CPU Frequency	1.3~2.0 GHz
Chipset	Intel® 855GME + ICH4 (FSB:400MHz)
DRAM	1 x 200-pin DDR SO-DIMM, support DDR333 SDRAM up to 1GB
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
Power Consumption	+5V: 2.79A / +12V: 1.92A (Pentium® M 1.3GHz)
Dimension	185mm x 122mm (7.28" x 4.8")

I/O Chipset

IDE Interface	1 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) Supports Wake-on-LAN with ATX power
USB	2 x USB 2.0

Display	
Graphic	Built-in Intel® 855GME, share system memory, supports CRT, LVDS
LCD Interface	18/36-bit LVDS

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

PCI-501LF-E2G	PCI S478 P-M / Celeron-M CPU card w VGA / LAN x 2 (10/100Mbps & 10/100/1000Mbps)
PCI-501LF-E2	PCI S478 P-M / Celeron-M CPU card w VGA / LAN x 1 (10/100Mbps)
Certificate: CE, FCC, CLASS A	

PERFORMANCE & POWER CONSUMPTION

CPU Type	Multi Media CC Winstone 2003	3Dmark 2001SE Build 330	CC Winstone 2001	Power Consumption +5V / +12V
Pentium® M 1.4GHz	16.3	2316	76.8	3.42A / 1.48A

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