



PCI-501

SBC

Pentium® M Half-size CPU Card with VGA/2 LAN

PCI-501 is a new Pentium® M single board computer, based on the latest Intel® processor, Pentium® M and Intel® 855GME chipset.

The Pentium® M series allows 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 provides high speed networking availability, supporting dual LAN ports up to 1 Gigabits with Intel® 82540EM chipset.

The half-size PCI bus board supports an Intel® Pentium® M processor up to 1.8 GHz and one 200-pin DDR SO-DIMM memory up to 1GB. It also is equipped with a Compact Flash™ bootable IDE-compatible flash memory module for expansion capabilities. The PCI-501 supports 2 USB 2.0 ports that accelerate the speed of data transaction. Other standard features of PCI-501 include, 2 COM ports, with COM 2 selectable for RS232/422/485), 1 EIDE interface, 1 parallel port, keyboard/mouse connector, 1 IrDA port, and 1 EPCI connector for expansion slot.



APLEX

2600 Boyce Plaza Road
Pittsburgh, PA 15241

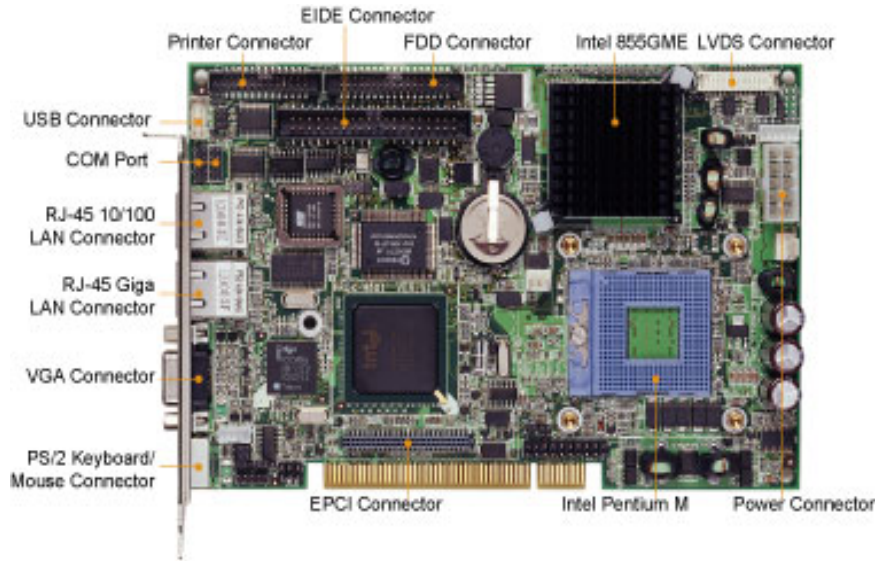
Phone: 412-257-2620
Fax: 412-257-2649

E-mail: sales@aplexusa.com
[Http://www.aplexusa.com](http://www.aplexusa.com)

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▶ PCI - 501

Socket 478 Pentium® M CPU Card with VGA/2 LAN



Display Specifications

PCI - 501

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

System Specifications

CPU	Intel® Pentium® M Processor
CPU Frequency	1.3~2.0 GHz
Chipset	Intel® 855GME + ICH4
DRAM	1 x 200-Pin DDR SO-DIMM, support DDR266 SDRAM up to 1GB
BIOS	Phoenix-Award PnP BIOS, with VGA BIOS
Watchdog	1~255 secs Watchdog timer selectable w/ Reset/NMI
Power Supply	Support 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")

Mechanical Specifications

IDE Interface	1 x 40-pin IDE (UDMA 33/66/100)
CF	1 x compact flash slot (IDE)
FDD Interface	1
Operating Temperature	0-60°C (32° ~ 140°F)
Storage Temperature	-40°C - 85°C (~40° ~ 185 °F)
Humidity	Operation humidity 20~90%, Storage humidity 20~95%
Bus Interface	EPCI BUS
Serial Port	2 x COM ports, COM 1 for RS232, COM2 for RS232/422/485 (for 16550 compatible type of UART)
Parallel Port	1 x parallel (SPP/EPP/ECP)
IrDA	I (SIR)
Keyboard	Mini DIN connector or external connector
Mouse	Mini DIN connector (selectable w/KB) or Y-cable
LAN	LAN 1: Intel® 82562EM (10/100Mbps) LAN 2: Intel® 82540EM (10/100/1000Mbps) Support Wake-On-LAN with ATX power
USB	2 x USB 2.0

Note: All specifications are subject to change without notice.



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