PSB-501

Pentium® M Full Size CPU Card with VGA/Sound/2 LAN

PSB-501 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 the computer to run robust applications 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 1 Gigabits with Intel® 82541 GI chipset.

The PSB-501 supports an Intel® Pentium® M processor up to 1.8 GHz with 400MHz front side bus, and two 184-pin 266/333 MHz DDR SDRAM DIMM sockets capable of supporting 2GB of memory. With onboard Intel® 855GME Chipset, the PSB-501 provides multidisplay functions, including CRT, DVO, and LVDS LCD. Also with an additional socket for the Compact Flash™
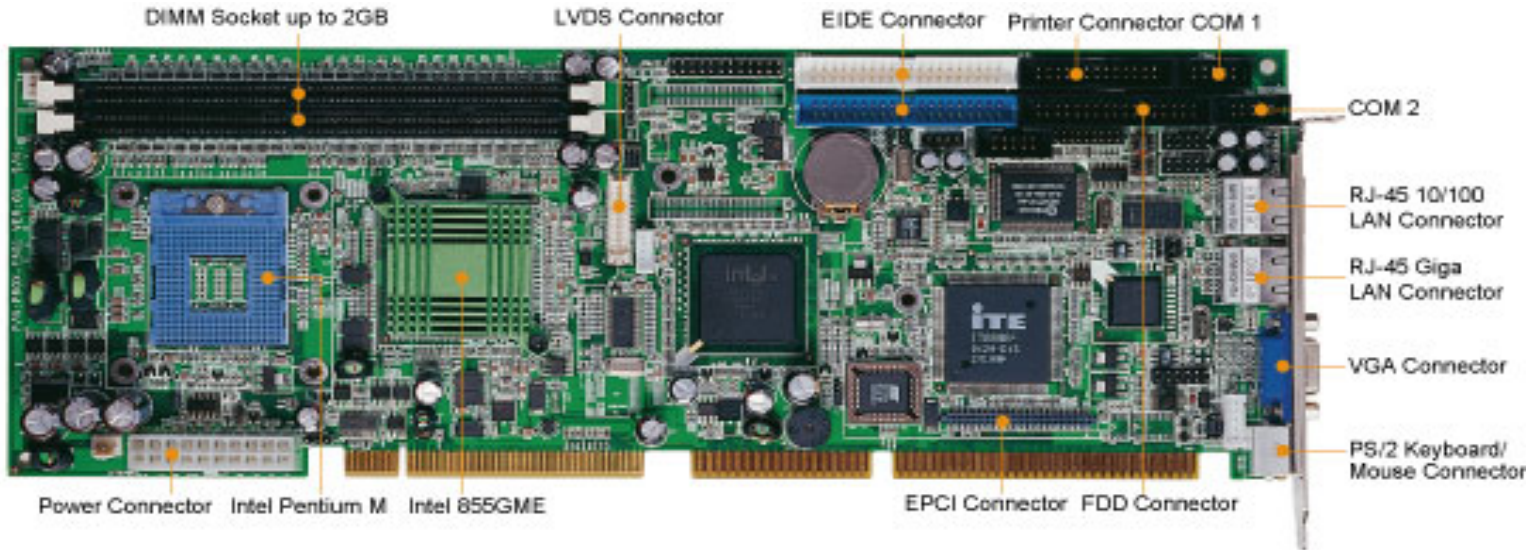
APLEX

FC CE

⊳ PSB - 501

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

DIMM Socket up to 2GB — LVDS Connector — EIDE Connector — Printer Connector COM 1 — COM 2 — RJ-45 10/100 LAN Connector — RJ-45 Giga LAN Connector — VGA Connector — PS/2 Keyboard/Mouse Connector — Power Connector — Intel Pentium M — Intel 855GME — EPCI Connector — FDD Connector

Display Specifications

PSB - 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	2x184-Pin DDR DIMM, support DdR266 SDRAM up to 2GB
BIOS	Phoenix-Award PnP BIOS, with VGA BIOS
Watchdog	1~255 secs Watchdog timer selectable w/ Reset/NMI
Power Supply	Universal 300W with PFC switching power supply
Power Requirement	+5V, +12V, -12V
Power Consumption	+5V, +12V, -12V: 1.93A (Pentium® M 1.3GHz)
Dimension	338.5mm x 122mm (13.33" x 4.8")

Note: All specifications are subject to change without notice.

Mechanical Specifications

IDE Interface	2 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, COM 2 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 ® 82541GI (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