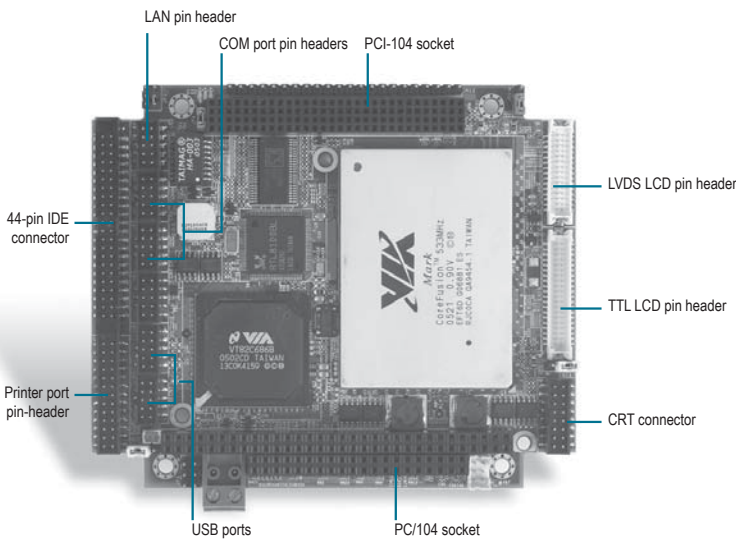


VIA Mark Processor



Specifications

System	
Form Factor	PC/104
Processor	Onboard VIA Mark 533MHz Processor
System Memory	144-pin SDRAM SODIMM x 1, Max. 512MB (PC-100/133)
Chipset	VIA Mark + VT82C686B
I/O Chipset	VIA VT82C686B
Ethernet Chipset	Realtek RTL8100BL
Ethernet Interface	10/100Base-TX
BIOS	AWARD 256KB FLASH ROM
Watchdog Timer	Generates a time-out system reset
H/W Status Monitoring	Supports power supply voltages and temperature monitoring
SSD	Type I CompactFlash™ slot x 1
Expansion Interface	PC/104 socket x 1
Power Requirement	+5V
Battery	Lithium battery
Board Size	4.35" (L) x 3.78" (W) (115mmx96mm)
Gross Weight	0.6lb (0.25kg)
Operating Temperature	32°F~ 140°F (0°C ~ 60°C)
Display	
Chipset	VIA VT8606
Memory	Shared system memory up to 32MB
Resolutions	Up to 1280x1024@24bpp colors for CRT Up to 1024x768@18bpp colors for LCD
LCD Interface	18-bit TTL, 18/36-bit LVDS TFT LCD
I/O	
MIO	UDMA33 x 1, Keyboard + Mouse x 1, RS-232 x 1, RS-232/485 x 1, Parallel x 1
IrDA	One IrDA Tx/Rx header
Audio	MIC-in, Line-in, Line-out (optional Audio Decoder Daughter Board required)
USB	Two 5x2 pin headers support 4 USB 1.1 ports

Features

- Onboard VIA Mark Processor
- Supports 18-bit TTL & 18/36-bit LVDS TFT LCD
- 2 COM / 4 USB Ports
- 10/100Base-TX Fast Ethernet
- Supports Type I CompactFlash™
- PC/104 Plus Expansion Bus
- +5V Only Operation



Packing List

- **Cable Kit**
 - 1700060152 Keyboard/Mouse Cable x 1
 - 1701100206 COM Port Cable x 2
 - 1701160201 VGA Cable x 1
 - 1701260200 Parallel Port Cable x 1
 - 1701440500 IDE Cable x 1
 - 1709100201 USB Port Cable x 2
 - 1700100200 Ethernet Cable x 1
- **Quick Installation Guide**
- **Utility CD**
- **PFM-550S**

Ordering Information

- **PFM-550S-A10**
PC/104 Board, Mark-533, LCD, SDM, LAN, 2COM, USB, CF, PC/104+, AT, Rev.A10

Optional Accessories

- **PER-U00A-A12**
AC97 Audio Daughter Board

01

Compact Boards

02

SubCompact Boards

03

Embedded Motherboards

04

PC/104 CPU Modules

05

COM Express CPU Modules

06

ETX CPU Modules

07

RISC CPU Modules

08

Media PCs

09

Mini PCI Modules

10

PC/104 Peripheral Modules

11

Full-size SBC

12

Half-size SBC

13

Accessories