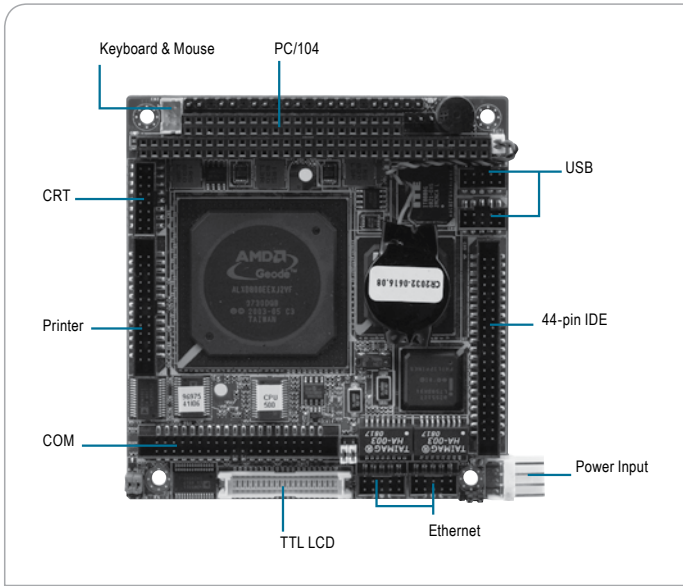


# PFM-541I

PC/104 CPU Module With Onboard AMD Geode™ LX800 Processor

06

PC/104 CPU Modules



## Features

- Onboard AMD Geode™ LX800 Processor
- AMD LX800 + CS5536
- Onboard DDR333 Memory 256 MB
- 10/100Base-TX Ethernet x 2
- CRT & Up To 24-bit TTL LCD Support
- EIDE x 1, CompactFlash™ x 1
- USB2.0 x 4, COM x 4, Parallel x 1
- PC/104 Expansion
- +5V Only Operation, AT Power Type



## Specifications

System	
Form Factor	PC/104
Processor	Onboard AMD Geode™ LX800 (500 MHz) Processor
System Memory	Onboard DDR333 Memory – 256 MB
Chipset	AMD LX series + CS5536
I/O Chipset	SMSC SCH3114-Nu
Ethernet	Intel™ 82551ER, 10/100Base-TX, RJ-45 x 2
BIOS	Award Plug & Play BIOS - 1 MB ROM
Wake on LAN	None
Watchdog Timer	Generates a time-out system reset
H/W Status Monitoring	Supports power supply voltages and temperature monitoring
Expansion Interface	PC/104
Battery	Lithium battery
Power Requirement	+5V/AT
Power Consumption (Typical)	AMD Geode™ LX800 500 MHz, DDR400 256 MB 1.83A@+5V
Board Size	3.55" (L) x 3.77" (W) (90mm x 96mm)
Gross Weight	1.2 lb (0.5kg)
Operating Temperature	32°F ~ 140°F (0°C ~ 60°C)
Storage Temperature	-40°F ~ 176°F (-40°C ~ 80°C)
Operating Humidity	0% ~ 90% relative humidity, non-condensing
MTBF (Hours)	90,000
Display	
	Supports CRT/ LCD simultaneous display
Chipset	AMD LX series + CS5536
Memory	Shared system memory up to 254MB
Resolutions	Up to 1600 x 1200 @ 32bpp colors for CRT Up to 1024 x 768 for LCD
LCD Interface	18/24-bit TTL TFT LCD
I/O	
Storage	EIDE x 1 (UDMA-33 for one device), Type 1 CompactFlash™ x 1
Serial Port	RS-232 x 3, RS-232/422/485 x 1
Parallel Port	SPP/EPP/ECP mode
USB	USB2.0 x 4
PS/2 Port	Keyboard + Mouse x 1

For Wide Temperature series of this model, please refer to Chapter 1 - Wide Temperature Boards, to get detailed specification of PFM-541IW2.

## Packing List

- Cable Kit
- Quick Installation Guide
- Product CD
- PFM-541I with Heatsink

## Ordering Information

- **TF-PFM-541I-A10**  
PC/104 Board, AMD LX800, 256 MB DDR, LCD, 2 LAN, 4 COM, LPT, 4 USB, CompactFlash™, PC/104, AT, Rev. A1.0

## Optional Accessories

- **TF-PFM-P13DW2-A10**  
PC/104 Board Power Supply Module with +5V & +12V Output PC/104, Rev. A1.0 WITAS 2
- **TF-PCM-3538T-A10**  
TTL to LVDS Transmitter Module Rev. A1.0
- **1709100201**  
USB Cable, Length 20cm
- **1701260201**  
Printer Port Cable, Length 20cm
- **1700100200**  
LAN Cable, Length 20cm
- **1701400205**  
COM Cable, Length 20cm