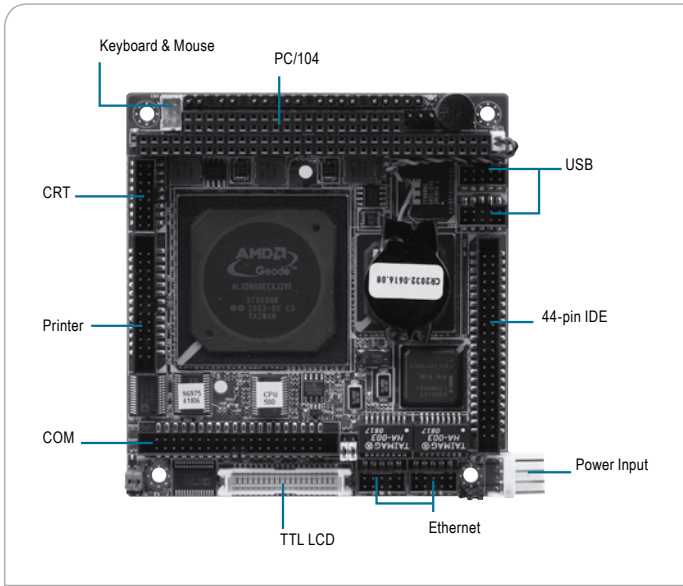


# PFM-541IW2

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

01

Wide Temperature Boards



## Features

- Onboard AMD Geode™ LX800 Processor
- AMD LX Series + 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
- PC/104 Expansion
- +5V Only Operation, AT Power Type
- Operating Temperature: -40°C ~ 80°C



## Specifications

System	
Form Factor	PC/104
Processor	Onboard AMD Geode™ LX800 Processor 500 MHz
System Memory	Onboard DDR333 Memory – 256 MB
Chipset	AMD LX series + CS5536
I/O Chipset	SMSC SCH3114i-Nu
Ethernet	Intel™ 82551IT, 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, DDR333 256 MB 1.83A@+5V
Board Size	3.55" (L) x 3.77" (W) (90mm x 96mm)
Gross Weight	1.2 lb (0.5 kg)
Operating Temperature	-40°F ~ 176°F (-40°C ~ 80°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 254 MB
Resolutions	Up to 1600 x 1200 @ 32bpp colors for CRT Up to 1024 x 768 @ 24bpp colors 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
USB	USB2.0 x 4
PS/2 Port	Keyboard + Mouse x 1

## Packing List

- Cable Kit
- Quick Installation Guide
- Product CD
- PFM-541IW2

## Ordering Information

- **TF-PFM-541IW2-A10**  
PC/104 Board, AMD Geode™ LX800 500MHz, 256 MB DDR, LCD, 2LAN, 4COM, 4USB, CompactFlash™, PC/104, AT, RevA1.0, WITAS 2 (-40°C ~80°C)

## Optional Accessories

- **TF-PFM-P13DW2-A10**  
PC/104 Board Power Supply Module with +5V & +12V Output PC/104, Rev A1.0, WITAS 2 (-40°C ~ 80°C)
- **TF-PCM-3538T-A10**  
TTL to LVDS Transmitter Module Rev.A1.0
- **1709100201**  
USB Cable
- **1701260201**  
Printer Port Cable
- **1700100200**  
LAN Cable
- **1701400205**  
COM Cable