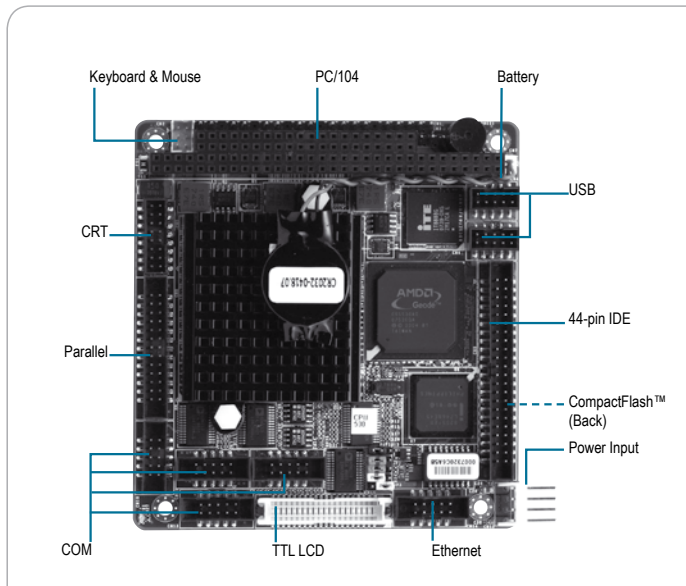


PFM-540IW1 Rev.B

PC/104 CPU Module with AMD Geode™ LX800 Processor



Features

- Onboard AMD Geode™ LX800 Processor
- AMD Geode™ LX800 + CS5536
- SODIMM x 1, DDR333 Up to 1 GB, DDR400 Up to 512 MB
- 10/100Base-TX Ethernet x 1
- CRT + Up To 24-bit LCD Support
- EIDE x 1, CompactFlash™ x 1
- USB2.0 x 4, COM x 4 and Parallel x 1
- PC/104 Expansion
- +5V Only Operation, AT Power Type
- Low Power Consumption
- Operating Temperature: -20°C ~ 70°C



Specifications

System	
Form Factor	PC/104
Processor	Onboard AMD Geode™ LX800 Processor 500 MHz
System Memory	200-pin DDR SODIMM x 1, Max 1 GB for DDR333 and 512 MB for DDR400
Chipset	AMD Geode™ LX800 + CS5536
I/O Chipset	SCH 3114i-Nu
Ethernet	Intel® 82551IT, 10/100Base-TX
BIOS	Award 1 MB FLASH ROM
Watchdog Timer	Generates a time-out system reset
H/W Status Monitoring	Supports power supply voltages and temperature monitoring
Expansion Interface	PC/104 socket x 1
Power Requirement	+5V/AT
Power Consumption (Typical)	AMD Geode™ LX800 500 MHz, DDR400 512 MB +5V@1.53A
Battery	Lithium battery
Board Size	3.55" (L) x 3.775" (W) (90mm x 96mm)
Gross Weight	0.25 lb (0.11 kg)
Operating Temperature	-4°F ~ 158°F (-20°C ~ 70°C)
Storage Temperature	-40°F ~ 176°F (-40°C ~ 80°C)
Operating Humidity	0% ~ 90% relative humidity, non-condensing
MTBF (Hours)	100,000
Display	
Supports CRT/ LCD simultaneous display	
Chipset	AMD Geode™ LX800
Memory	Shared system memory up to 254 MB
Resolutions	Up to 1600 x 1200 @ 32bpp for CRT Up to 1024 x 768 @ 24bpp 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

Packing List

- Cable Kit
- Quick Installation Guide
- Product CD
- PFM-540IW1 Rev.B

Ordering Information

- **TF-PFM-540IW1-B10**
PC/104 Board AMD Geode™ LX800 500MHz, LCD, DDR, 4 COM, 4 USB, CompactFlash™, PC/104, AT B1.0, WITAS 1

Optional Accessories

- **TF-PFM-P13DW2-A10**
PC/104 Board Power Supply Module with +5V & +12V Output, PC/104, Rev. A1.0, WITAS 2