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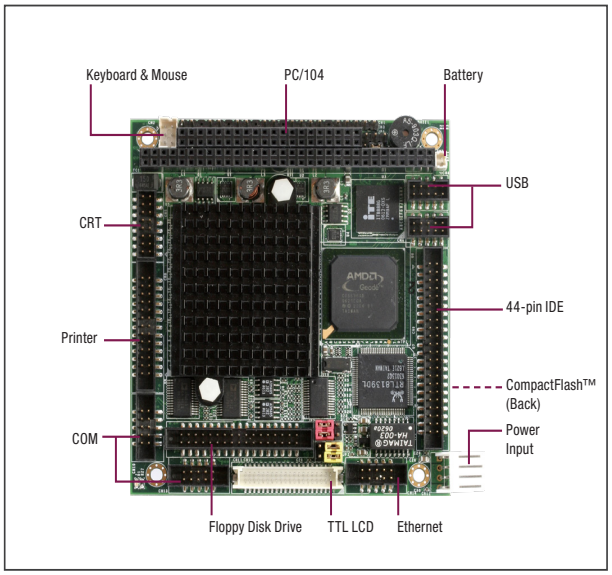
PFM-540I Rev. A

PC/104 Module with AMD Geode™ LX Processor



Features

- Onboard AMD Geode™ LX800 Processor
- AMD Geode™ LX800 + CS5536
- DDR 333 MHz SODIMM x 1, Up to 1 GB or DDR 400 MHz SODIMM x 1, Up to 512 MB
- 10/100Base-TX Ethernet x 1
- 18/24-bit TTL LCD Support
- EIDE x 1, CompactFlash™ x 1
- USB2.0 x 4, COM x 2, and Parallel x 1
- PC/104 Expansion
- +5V Only Operation, AT Power Type
- Low Power Consumption

Specifications

System	
Form Factor	PC/104
CPU	Onboard AMD Geode™ LX 800
CPU Frequency	500 MHz
Chipset	AMD Geode™ LX 800 + CS5536
Memory Type	DDR333/400, SODIMM x 1, (512 MB for DDR400)
Max. Memory Capacity	1 GB
BIOS	Award 512 KB
Wake on LAN	Yes
Watchdog Timer	255 Levels
Power Requirement	+5V
Power Supply Type	AT
Power Consumption (Typical)	AMD Geode™ LX 800 500 MHz, DDR400 512 MB, 1.53A@+5V
Dimension (L x W)	3.55" x 3.77" (90mm x 96mm)
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)	715,353
Certification	CE/FCC Class A
Display	
VGA/LCD Controller	AMD Geode™ LX 800
Video Output	CRT, TTL LCD
Backlight Inverter Supply	—
I/O	
Ethernet	10/100Base-TX x 1, Realtek RTL 8139DL
Audio	—
USB Port	USB2.0 x 4
Serial Port	RS-232 x 1, RS-232/422/485 x 1
Parallel Port	SPP/EPP/ECP x 1
HDD Interface	UDMA33 x 1
FDD Interface	FDD x 1
SSD	CompactFlash™
Expansion Slot	PC/104
PWM LCD Support	—
DIO	—
TPM	—
Touch	—

Packing List

- **9681Y00008**
  Cable Kit for PFM-540I Rev.A
- **PFM-540I Rev. A**

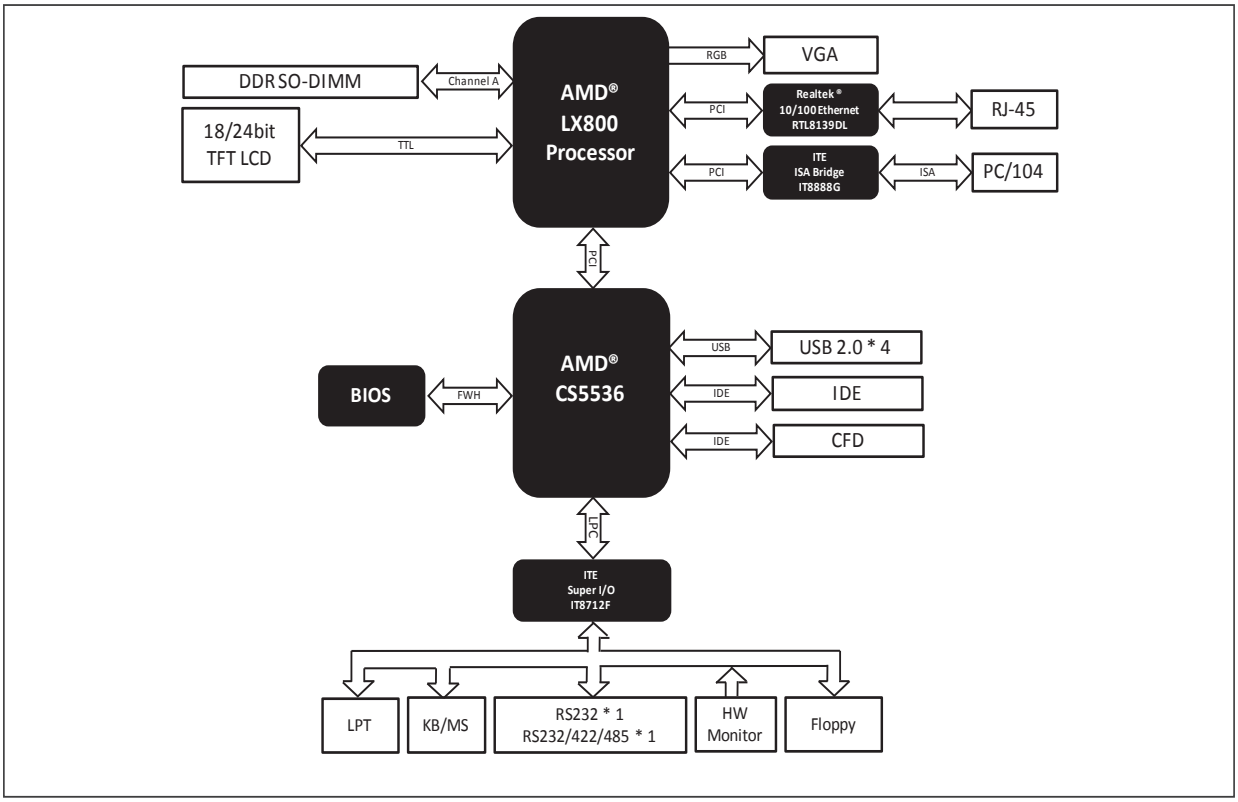
Optional Accessories

- **170X000924**
  RS-232 Cable x 2
- **170X000926**
  44-pin IDE Cable x 1
- **170X000917**
  Keyboard & Mouse Cable x 1
- **170X000922**
  LAN Cable x 1
- **170X000916**
  USB Cable x 2
- **170X000925**
  Printer Port Cable x 1
- **170X000927**
  VGA Cable, Length 20cm

Note: All specifications are subject to change without notice.

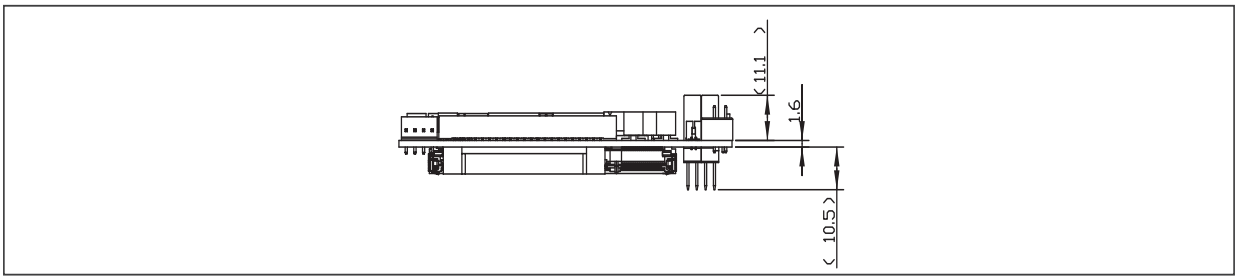
PFM-540I Rev. A

Block Diagram



Dimension

Unit: mm



Ordering Information

Part Number	CPU	RAM	Fan/ Fanless	Storage	Display	LVDS	LAN	USB	RS-232	RS-232/422/485	Parallel	Expansion Slot	Power	Temp.
PFM-540I-A12-0001	AMD Geode™ LX800	SODIMM	Fanless	EIDE x 1, CompactFlash™ x 1 FDD x 1	CRT + TTL	18/24b, 1CH	FE x 1	4	1	1	1	PC/104	+5V/AT	0°C ~ 60°C

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