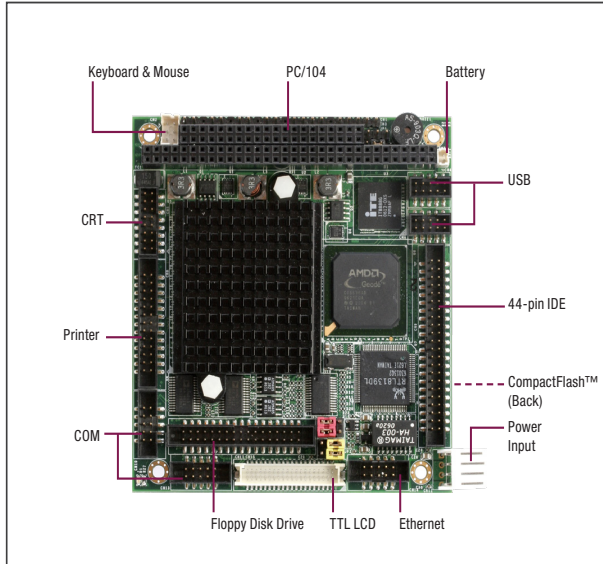


PFM-540I Rev. A

PC/104 Module with AMD Geode™ LX Processor

PC/104 Modules



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

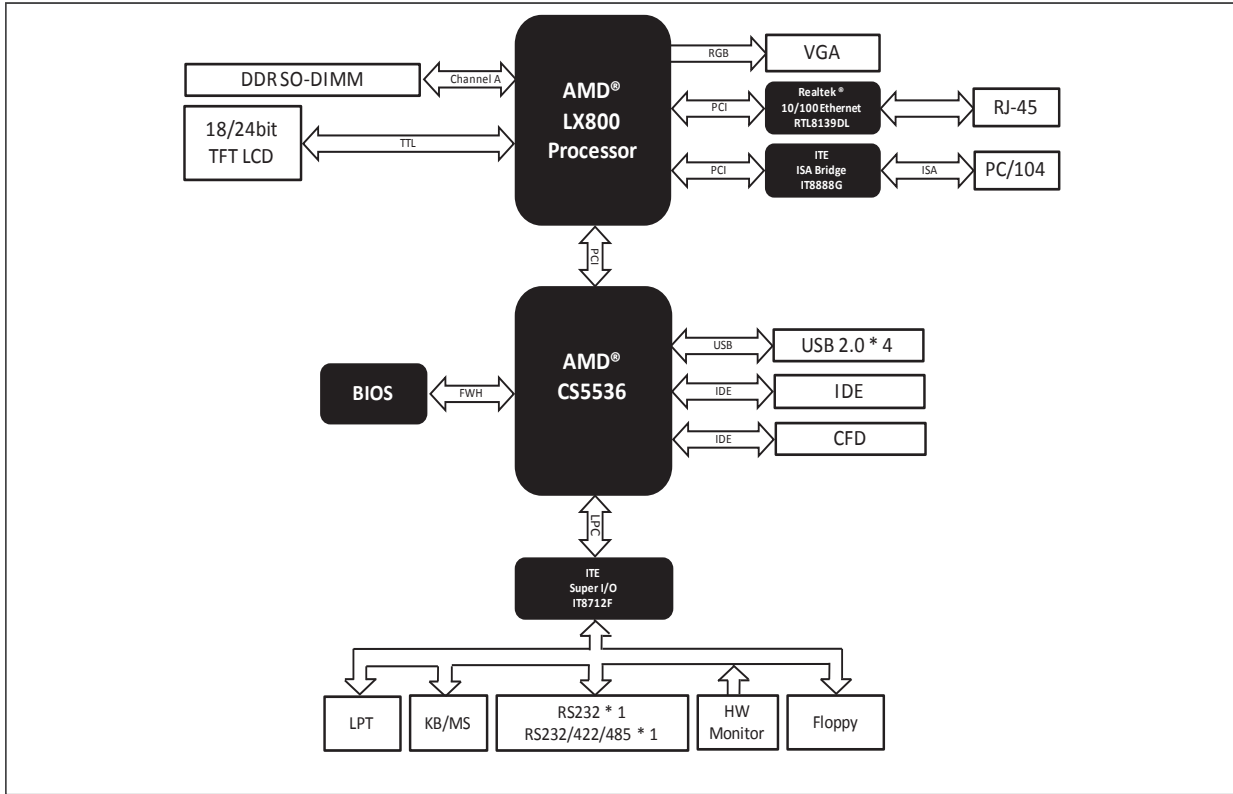
- **170X000924**
RS-232 Cable x 2
- **170X000926**
44-pin IDE Cable x 1
- **170X000917**
Keyboard & Mouse Cable x 1
- **170X000922**
LAN Cable x 1
- **170X000916**
USB Cable x 2
- **170X000925**
Printer Port Cable x 1
- **170X000927**
VGA Cable, Length 20cm

PFM-540I Rev. A

07

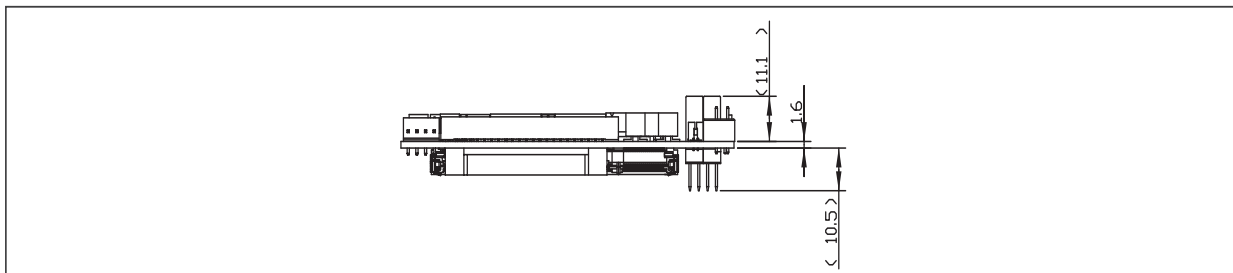
PC/104 Modules

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 | +5VAT | 0°C ~ 60°C |

Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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