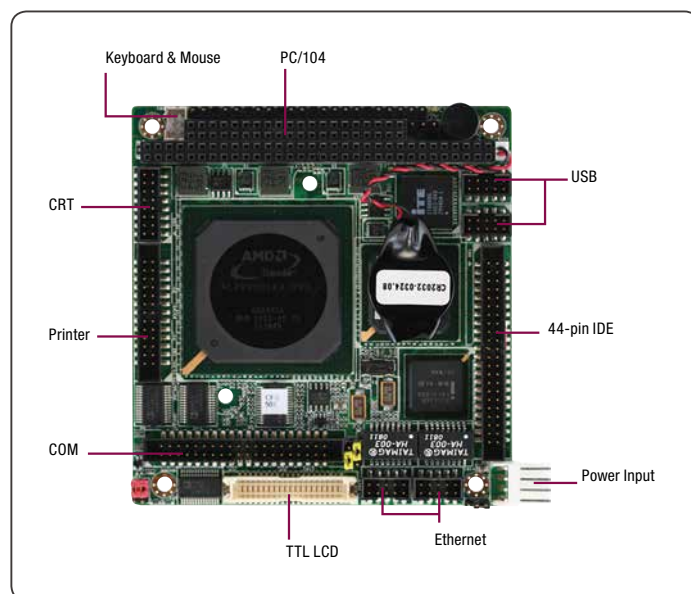


## 04 PFM-541I

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



## Features

- Onboard AMD Geode™ LX800 Processor
- AMD Geode™ LX800 + CS5536
- Onboard DDR 333 MHz 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                                                   |
| CPU                         | Onboard AMD Geode™ LX 800                                |
| CPU Frequency               | 500 MHz                                                  |
| Chipset                     | AMD Geode™ LX 800 + CS5536                               |
| Memory Type                 | Onboard DDR333 Memory up to 256 MB                       |
| Max. Memory Capacity        | 256 MB                                                   |
| BIOS                        | Award Plug & Play BIOS - 1 MB ROM                        |
| Wake on LAN                 | Yes                                                      |
| Watchdog Timer              | 255 Levels                                               |
| Power Requirement           | +5V                                                      |
| Power Supply Type           | AT                                                       |
| Power Consumption (Typical) | AMD Geode™ LX 800 500 MHz,<br>DDR333 256 MB<br>1.83A@+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)                | 90,000                                                   |
| Certification               | CE/FCC                                                   |
| Display                     |                                                          |
| VGA/LCD Controller          | AMD Geode™ LX 800                                        |
| Video Output                | CRT, TTL LCD                                             |
| Backlight Inverter Supply   | —                                                        |
| I/O                         |                                                          |
| Ethernet                    | Intel® 82551ER, 10/100Base-TX, RJ-45 x 2                 |
| Audio                       | ALC892                                                   |
| USB Port                    | USB2.0 x 4                                               |
| Serial Port                 | RS-232 x 3, RS-232/422/485 x 1                           |
| Parallel Port               | SPP/EPP/ECP x 1                                          |
| HDD Interface               | UDMA33 x 1                                               |
| FDD Interface               | —                                                        |
| SSD                         | CompactFlash™                                            |
| Expansion Slot              | PC/104                                                   |
| PWM LCD Support             | —                                                        |
| DIO                         | —                                                        |
| TPM                         | —                                                        |
| Touch                       | —                                                        |



## Packing List

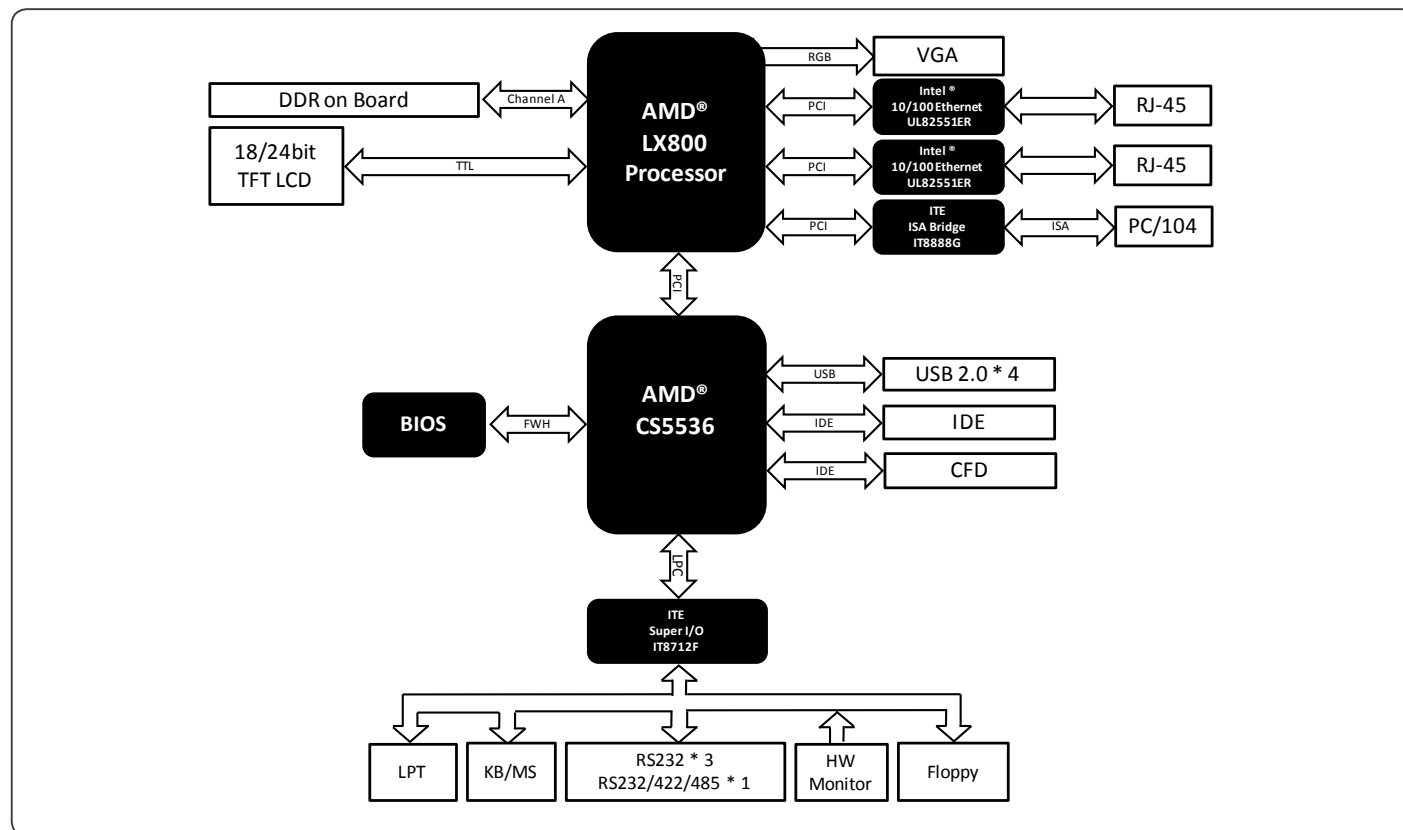
- Cable Kit
- Product CD
- PFM-541I with Heatsink

## Optional Accessories

- **PFM-P13DW2-A10**  
PC/104 Board Power Supply Module with +5V & +12V Output PC/104, Rev. A1.0 WITAS 2
- **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
- **1700160201**  
VGA Cable, Length 20cm

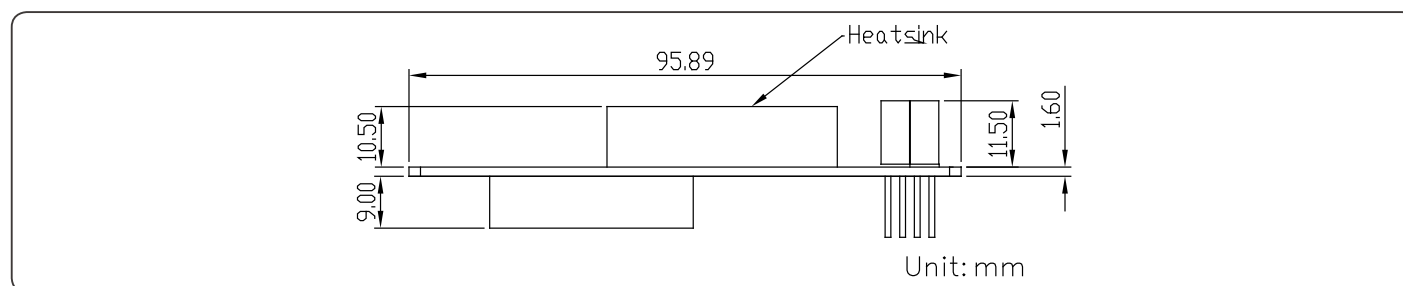
# PFM-541I

## 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.      |
|-----------------|------------------|--------|--------------|--------------------------------|-----------|-------------|--------|-----|--------|----------------|----------|----------------|--------|------------|
| TF-PFM-541I-A10 | AMD Geode™ LX800 | 256 MB | Fanless      | EIDE x 1,<br>CompactFlash™ x 1 | CRT + TTL | 18/24b, 1CH | FE x 2 | 4   | 3      | 1              | 1        | PC/104         | +5V/AT | 0°C ~ 60°C |