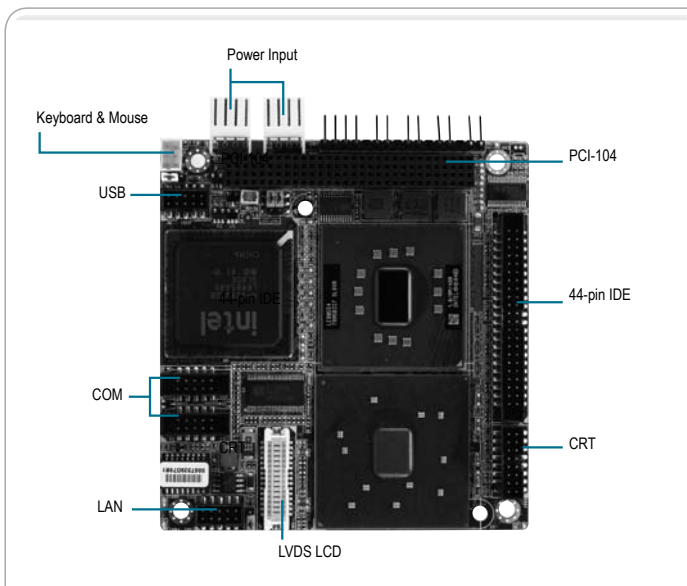


PFM-800P

■ PC/104 CPU Module With Intel® Ultra Low Voltage Celeron® M Processor



Features

- Onboard Intel® ULV Celeron® M 600 MHz/ 1 GHz
- Intel® 852GM + ICH4
- DDR 266 SODIMM Memory Up To 1 GB
- 10/100Base-TX Ethernet x 1
- 24/48-bit Dual-channel LVDS LCD (Emulated)
- EIDE x 1, CompactFlash™ x 1
- USB 2.0 x 2, COM x 2
- PCI-104 Socket



Specifications

System	
Form Factor	PC/104
Processor	Onboard Intel® Ultra Low Voltage Celeron® M 600 MHz/ 1 GHz Processor
System Memory	200-pin DDR 266 SODIMM x 1, Max. 1 GB
Chipset	Intel® 852GM + Intel® 82801DB (ICH4)
Ethernet	Intel® 82562ET, 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	PCI-104 Interface
Battery	Lithium battery
Power Requirement	+5V, +12V/AT
Power Consumption (Typical)	Intel® Celeron® M 1.0GHz, DDR 266 1 GB +12V@0.27A, +5V@3.02A
Board Size	3.55" (L) x 3.77" (W) (90 mm x 96 mm)
Gross Weight	0.33 lb (0.15 kg)
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)	100,000
Display	
Supports CRT/ LCD simultaneous display	
Chipset	Intel® 852GM
Memory	Shared system memory up to 32 MB
Resolutions	Up to 1920 x 1080@24bpp colors for CRT Up to 1280 x 1024@18bpp colors for LCD
LCD Interface	24/48-bit LVDS TFT LCD (Emulated 24/48-bit LVDS)
I/O	
Storage	EIDE x 1 (UDMA 33 for one device), Type I CompactFlash™ x 1
Serial Port	RS-232 x 1, RS-232/422/485 x 1
USB	USB2.0 x 2
PS/2 Port	Keyboard + Mouse x 1

Note:

If the power consumption of the application is over 18 watts, AAEON strongly recommends you to buy an extra power cable (P/N: 1702041900) to connect the PFM-800P and the power supply to avoid the power overloading.

Packing List

- **9681800P00**
(TF) Cable Kit
 - 1701440500 44-pin IDE Cable
 - 1700060152 Keyboard & Mouse Cable
 - 1701160201 VGA Cable

- Quick Installation Guide
- Utility CD
- PFM-800P

Ordering Information

- **TF-PFM-800P-A12**
PC/104 Board, Intel® Celeron® M 600 MHz, DDR, LAN, 2 COM, 2 USB, CompactFlash™, PCI-104, AT, Rev A1.2
- **TF-PFM-800P-A12-01**
PC/104 Board, Intel® Celeron® M 1 GHz, DDR, LAN, 2 COM, 2 USB, CompactFlash™, PCI-104, AT, Rev A1.2

Optional Accessories

- **PFM-T800**
PCI/ PC/104 Bridge & COM & USB Module
- **1701100207**
RS-232 Cable
- **1700100200**
LAN Cable
- **1709100201**
USB Cable
- **1702041900**
Power Cable