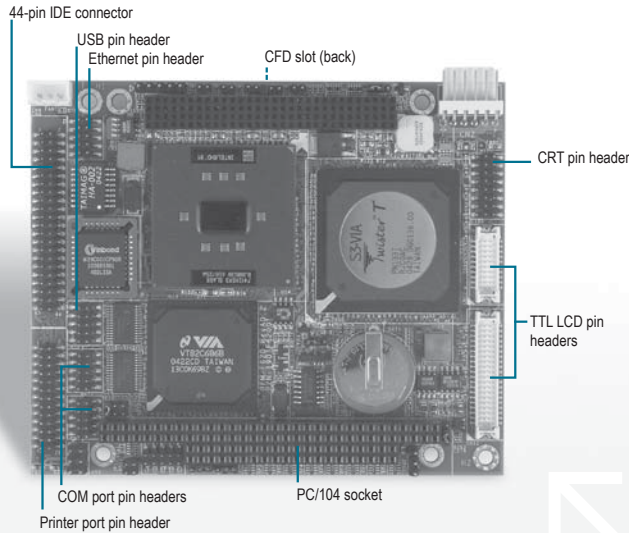


## Intel® Ultra Low Voltage Celeron® Processor



## Features

- Onboard Intel® Ultra Low Voltage Celeron® Processor
- 18/36-bit TTL/LVDS LCD
- 10/100Base-TX Fast Ethernet
- Supports Type I CompactFlash™
- COM Port x 2/ USB Port x 2
- +5V Only Operation



## Specifications

System	
Form Factor	PC/104
Processor	Onboard Intel® Ultra Low Voltage Celeron® 400/650 MHz Processor
System Memory	144-pin SDRAM SODIMM x 1, Max. 512MB (PC-100/133)
Chipset	VIA VT8606 + VT82C686B
Ethernet	Realtek RTL8100BL, 10/100Base-TX, 5x2 pin header x 1
BIOS	AWARD 256KB FLASH ROM
Watchdog Timer	Generates a time-out system reset
H/W Status Monitoring	Supports power supply voltages and temperature monitoring
Solid Storage Disk	Type I CompactFlash™ slot x 1
Expansion Interface	PC/104 for fanless heatsink, PC/104+ for heatsink with fan
Battery	Lithium battery
Power Requirement	+5V/AT
Power Consumption (Typical)	Intel® ULV Celeron 400MHz, PC-133 512MB 2.53 A@5V
Board Size	4.53" (L) x 3.78" (W) (115 mm x 96 mm)
Gross Weight	0.66 lb (0.3 kg)
Operating Temperature	32°F ~ 122°F (0°C ~ 50°C) for fanless heatsink 32°F ~ 140°F (0°C ~ 60°C) for heatsink with fan
Storage Temperature	-40°F ~ 176°F (-40°C ~ 80°C)
Operating Humidity	0% ~ 90% relative humidity, non-condensing
MTBF (Hours)	77,820
Display	
Supports CRT/ LCD simultaneous display	
Chipset	VIA VT8606
Memory	Shared system memory up to 32MB
Resolutions	Up to 1280x1024@24bpp colors for CRT Up to 1024x768@18bpp colors for LCD
LCD Interface	18/36-bit TTL/LVDS TFT LCD (TTL for Rev. A, LVDS for Rev. B)
I/O	
MIO	EIDE x 1 (UDMA33 x 1), Keyboard+Mouse x 1, RS-232 x 1, RS-232/422/485 x 1 (+5V output option on RI signal), Parallel x 1
IrDA	One IrDA Tx/Rx header
Audio	MIC-in, Line-in, Line-out (Optional Audio Decoder Daughter Board required)
USB	One 5 x 2 pin header supports 2 USB 1.1 ports

## Packing List

- Cable Kit
  - 1701100206 RS-232 Cable x 2
  - 1701440500 44-pin IDE Cable x 1
  - 1700060152 Keyboard & Mouse Cable x 1
  - 1700100200 LAN Cable x 1
  - 1709100201 USB Cable x 1
  - 1701260201 Printer Port Cable x 1
  - 1701160201 VGA Cable x 1
  - 1703060030 Power Cable x 1
  - 1701090200 RS-422/485 Cable x 1
- Quick Installation Guide
- Utility CD
- PFM-620S

## Ordering Information

- **TF-PFM-620S-A11**  
PC/104, UV ICP 400, SDM, TTL LCD, LAN, 2 COM, USB, CF, PC/104, AT, Rev.A1.1
- **PFM-620S-A11-01**  
PC/104, UV ICP 650, SDM, TTL LCD, LAN, 2 COM, USB, CF, PC/104+, AT, Rev.A1.1
- **TF-PFM-620S-B11**  
PC/104, UV ICP 400, SDM, LVDS LCD, LAN, 2 COM, USB, CF, PC/104, AT, Rev.B1.1
- **TF-PFM-620S-B11-01**  
PC/104, UV ICP 650, SDM, LVDS LCD, LAN, 2 COM, USB, CF, PC/104+, AT, Rev.B1.1

## Optional Accessories

- **TF-PER-U00A-A12**  
AC97 Audio Daughter Board