

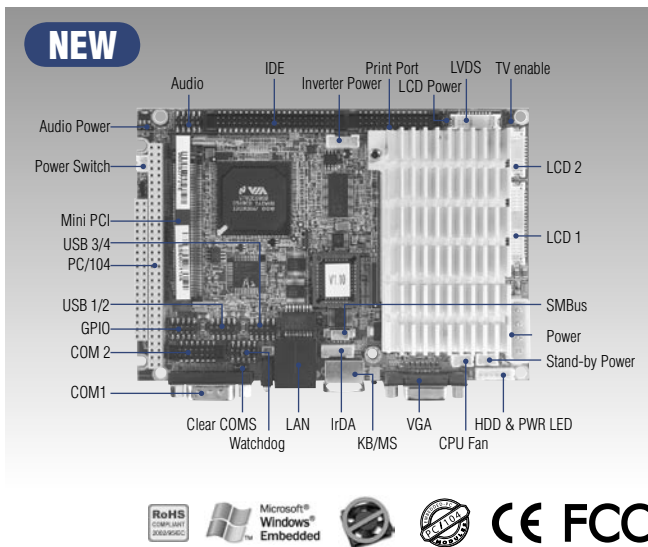
# Specification

**PCM-9377**

**Version July 2008**

# PCM-9377

**3.5" SBC with VIA® Mark, VGA, LCD, LVDS, LAN, USB**



## Features

- VIA® Mark 533/800 MHz Processor
- 18-bit TTL and LVDS LCD display and TV-out
- Mini PCI type III and PC/104 for expansion
- 8-bit GPIO and Hardware Monitor detection
- Coast line (external connector layout) same as PCM-9373

## Specifications

### General

- **CPU** Embedded VIA Mark CoreFusion 533/800 MHz processor, 128 MB L1 cache memory on die
- **2nd Cache Memory** 64 KB on the processor
- **System Chipset** VIA Mark processor
- **BIOS** AWARD® 2 Mbit Flash BIOS
- **System Memory** SDRAM 144-pin SODIMM x1, Max. 512 MB with both PC100 and PC133 memory type
- **Power Management** ACPI supported
- **SSD** Supports CompactFlash Card Type I/II
- **WatchDog Timer** 1 ~ 62 sec, 62-level time intervals system reset or IRQ11
- **Expansion Interface** PC/104 & Mini PCI type III
- **Battery** Lithium 3 V/196 mAh

### I/O

- **I/O Interface** 1 x EIDE, 1 x FDD, 1 x K/B, 1 x Mouse, 1 x RS232/422/485, 1 x RS232, 1 x LPT
- **USB** 4 x USB ports, USB 2.0 compliant
- **Audio** Supports AC97 Audio stereo sound
- **GPIO** 8-bit general purpose Input / Output

### Ethernet

- **Chipset** Intel 82551QM
- **Speed** 10/100 Mbps
- **Interface** RJ-45 connector
- **Standard** IEEE 802.3u (100 BASE-T) protocol compatible

### Display

- **Chipset** VIA Mark processor
- **Memory Size** 8/16/32 MB frame buffer using system memory
- **Resolution** Support for all resolutions up to 1600 x 1200
- **Panel type** CRT panel  
LCD panel Support for 18, 24, 36-bit TTL TFT LCD panels  
LVDS Interface 2-channel (two 18-bit) LVDS interface  
TV-Out (optional) Supports both NTSC/PAL, S-video and Composite Video via PCM-232 TV-out module (with optional BIOS)
- **Dual Independent Display** N/A. With dual simultaneous display for CRT + LVDS, CRT + TTL, CRT +TV-out (w/PCM-232)

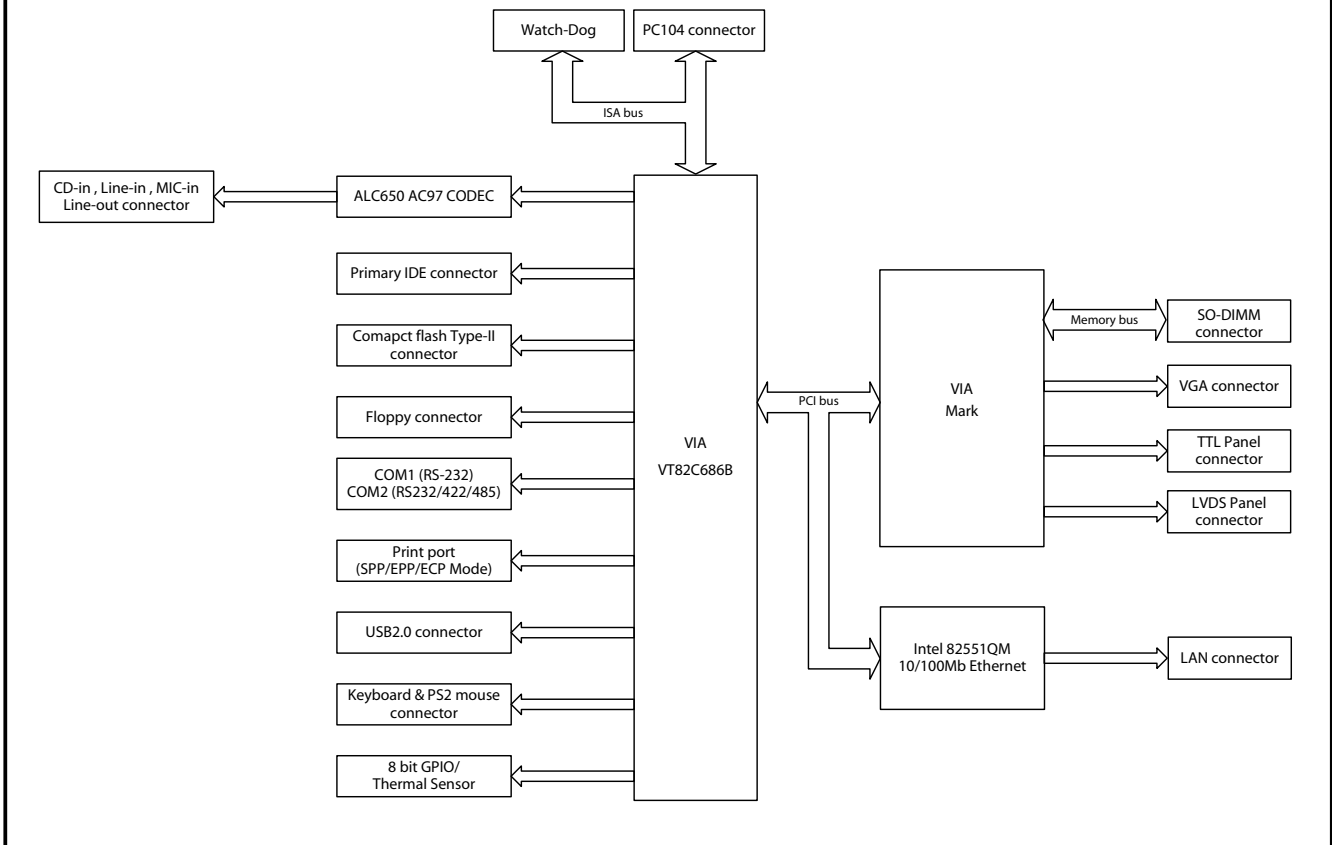
### Mechanical and Environmental

- **Dimension (LxW)** 146 x 105 mm (5.7" x 4")
- **Weight** 0.85 kg (weight of total package)
- **Operation Temperature** 0 ~ 60° C (32 ~ 140° F)
- **Operating Humidity** 10% ~ 90% Relative Humidity, non condensing

### Power

- **Power Supply Voltage** AT/ATX, +5V ±5%, +12V ±5%, or supports single +5V power only
- **Power Consumption** Max: 3.0 A @ +5 V (with 256 MB DRAM, VIA Mark 800)  
Typical: 2.21 A @ +5 V (with 256 MB DRAM, VIA Mark 800)

### Board Diagram



### Packing List

- 1 x PCM-9377 SBC
- 1 x Mini Jumper Pack (p/n: 9689000002)
- 1 x Startup Manual
- 1 x Utility CD
- 1 x Audio Cable (p/n: 1703100152)
- 1 x IDE 44 pin cable (p/n: 1701440351)
- 1 x USB 2 port cable (p/n: 1703100121)
- 1 x Keyboard/Mouse cable (p/n: 1700060202)
- 1 x serial cable (p/n: 1701140201)
- 1 x printer port cable (p/n: 1700260250)

### Optional Accessories

- **PCM-232-00A1E** TV out module
- **FDD cable Kit**
  - 9681000044E 1 x 26-pin to 34-pin FDD adapter
  - 1701260125 1 x slim FDD cable
  - 1701340700 1 x 34-pin flat cable for FDD
- **Embedded OS**
  - 2070000449 Image WinCE 5.0 Core Eng V1.1 PCM-9373/72 (19 MB)
  - 2070000450 Image WinCE 5.0 Pro Eng V1.1 PCM-9373/72 (30 MB)
  - 2070000451 Image WinCE5.0 ProPlus Eng V1.1 PCM-9373/72 (32 MB)
  - 2070000607 Image XPE SP2 V2.10 (ENG) (430 MB)
  - 2066002300 SUSI Library V1.0

### Ordering Information

Part No.	CRT	LVDS	DVI	10/100	USB	RS-232	RS-232/422/485	LPT	GPIO	CF	Mini PCI	PC-104
PCM-9377F-M0A1E	1	1	1	1	4	1	1	1	4 in, 4 out	1	1	1
PCM-9377F-Q0A1E	1	1	1	1	4	1	1	1	4 in, 4 out	1	1	1



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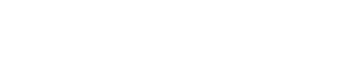
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