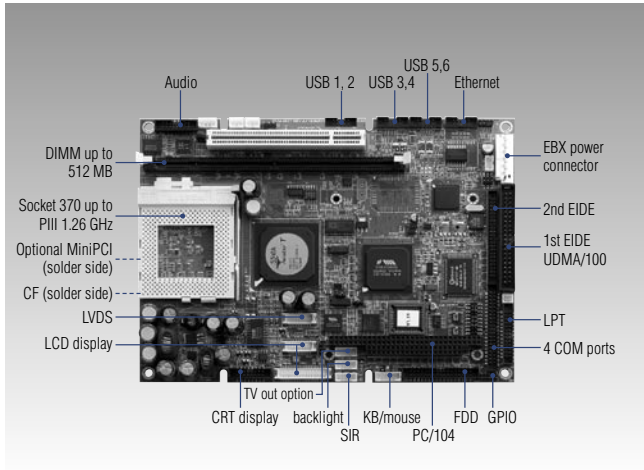


# PCM-9577

Socket 370 SBC with Gigabit LAN,  
USB 2.0, VGA/LCD and Audio



## Specifications

### General

- **CPU** Socket 370 for Intel Celeron/Pentium III/512 KB (Tualatin) up to 1.26 GHz
- **2nd Cache Memory** 128/256/512 KB on the processor
- **System Chipset** VT8606, VT82C686B, 133 MHz FSB
- **BIOS** AWARD® 256 kbit Flash BIOS
- **System Memory** SDRAM PC133 168-pin DIMM x 1, Max. 512 MB
- **Power Management** APM 1.1, ACPI Support
- **SSD** CompactFlash® card Type I/II
- **Watchdog Timer** 1 - 62 sec, 62 level interval timer, system reset or IRQ11
- **Expansion Interface** PC/104 and PCI slot
- **Battery** Lithium 3 V/196 mAh

### I/O

- **I/O Interface** 2 x EIDE (Ultra DMA100), 1 x FDD, 1 x K/B, 1 x Mouse, 1 x RS-232/422/485, 3 x RS-232, 1 x LPT
- **USB** 2 x USB 1.1 host port  
4 x USB 2.0 host ports
- **Audio** VIA 82C686 support AC'97 2.0 compliant, Mic-in, Line in, CD Audio-in, Line-out, Speaker-out
- **IrDA** 115 kbps, IrDA 1.1 compliant
- **GPIO** 8-bit General Purpose programmable I/O

### Ethernet

- **Chipset** Intel 82551ER [Intel 82551QM optional] (PCM-9577F)  
Intel 82541PI (PCM-9577FG)
- **Speed** 10/100/1000 Mbps (optional)
- **Interface** 1 x RJ45 by cable
- **Standard** IEEE 802.3u 100BASE-T Fast Ethernet compatible (PCM-9577F)  
IEEE 802.3z/ab 1000BASE-T Gigabit Ethernet compatible (PCM-9577FG)  
Built-in boot ROM in Flash BIOS

## Features

- Socket 370 support up to Intel® Pentium® III/512 KB 1.26 GHz
- Supports Gigabit Ethernet (PCM-9577FG)
- Supports two USB 1.1 and four USB 2.0 ports
- 133 MHz FSB and 4X AGP graphics for high performance applications
- Supports 24/36-bit TFT/DSTN LCD and 2-channel LVDS interface
- Optional TV-out and Mini PCI for WLAN applications

### Display

- **Chipset** VIA® Twister chip with Integrated S3 Savage4 2D/3D/Video Accelerator
- **Memory Size** 8/16/32 MB frame buffer using system memory
- **Resolution** CRT Mode: 1280 x 1024 @ 16 bpp (60 Hz), 1024 x 768 @ 16 bpp (85 Hz)  
LCD/Simultaneous Mode: 1280 x 1024 @ 16 bpp (60 Hz), 1024 x 768 @ 16 bpp (60 Hz)
- **LCD Interface** 4X AGP VGA/LCD interface, Support for 9, 12, 18, 24, 36-bit TFT and 16-bit or 24-bit DSTN panels up to SXGA resolution
- **LVDS** 2-Channel (2 x 18-bit) LVDS interface
- **TV-Out (option)** Support both NTSC/PAL, S-video and Composite Video
- **Dual Independent Display** -

### Mechanical and Environmental

- **Dimension (L x W)** 203 x 146 mm (8" x 5.75")
- **Weight** 0.85 kg (weight of total package)
- **Operating Temperature** 0 - 60° C (32 - 140° F)
- **Operating Humidity** 0% - 90% Relative Humidity, non condensing
- **Storage Temperature** -20 - 70° C (accessories Storage temperature: -20 - 60° C)
- **Storage Humidity** 95% @ 60° C

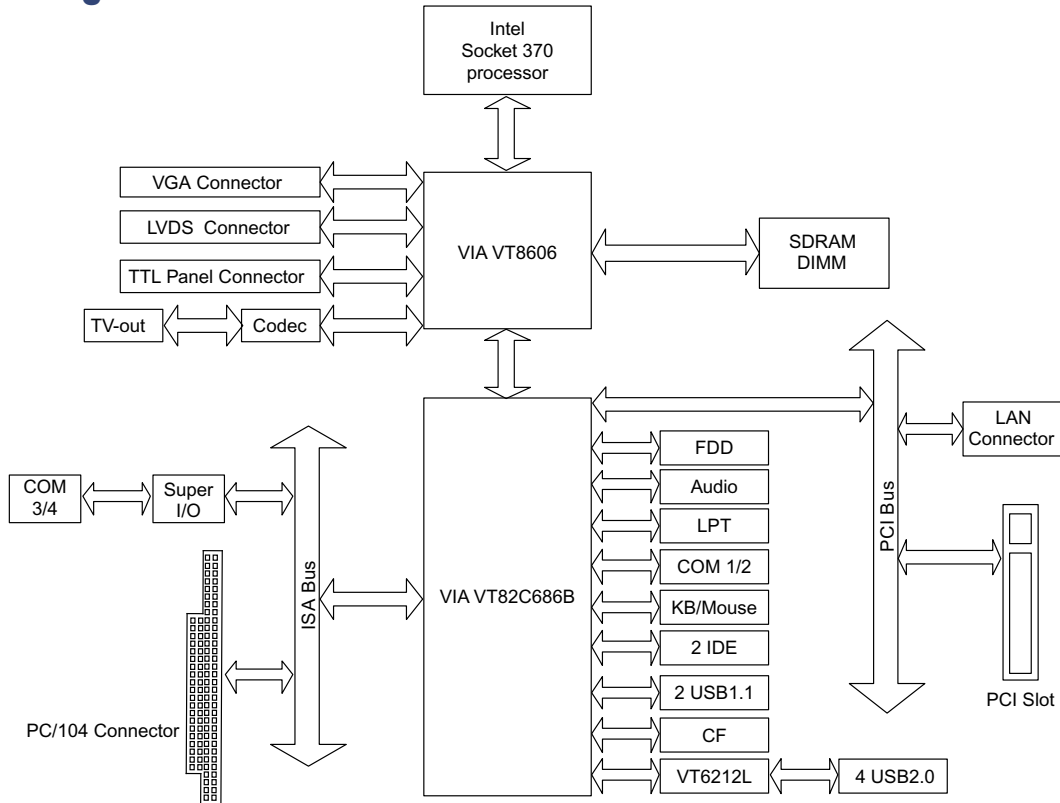
### Power

- **Power Supply Voltage** +5 V ±5%, +12 V ±5%
- **Power Consumption** Max.: 10 A @ +5 V, 1.02 A @ +12 V (within 5 ms after power on)  
Typical: 5.6 A @ +5 V, 0.17 A @ +12 V (with 256 MB DRAM, Intel)

## Packing List

- 1 x PCM-9577 SBC
- 1 x Mini Jumper Pack [count.: 10 pcs] (p/n: 9689000002)
- 1 x CPU Heatsink with FAN (p/n: 1750000068)
- 2 x USB Cable (p/n: 1700100260)
- 1 x Startup Manual
- 1 x Utility CD
- 1 x EBX 7P-4P Power Cable (p/n: 1703080101)

## Board Diagram



## Ordering Information

Part No.	CPU	CRT	LVDS/TTL	TV-out	10/100	Giga LAN	Audio	USB2.0	USB1.1	RS-232	RS-232/422/485	LPT/FDD/KB/MS	CF	PC/104 connector	PCI Slot	Operation Temp.
PCM-9577F-00A3E	Socket 370	Yes	36-bit	Yes	1	--	Yes	4	2	3	1	Yes	Yes	Yes	1	0 ~ 60° C
PCM-9577FG-00A3E	Socket 370	Yes	36-bit	Yes	--	1	Yes	4	2	3	1	Yes	Yes	Yes	1	0 ~ 60° C

### Optional Accessories

- **PCM-10586-5A00E** Wiring kit for PCM-9575/PCM-9577F
- **PCM-10586-5G00E** Wiring kit for PCM-9577FG (Gigabit LAN)
- **1703100260** USB cable 26 cm
- **1703100156** USB cable 15 cm for PCM-9577F to meet MBPC-300 chassis (without bracket)
- **1703180150** USB cable 15 cm for PCM-9577FG to meet MBPC-300 chassis (without bracket)
- **1700100261** USB cable 26 cm to meet MBPC-200 chassis
- **CF-HDD-ADP** CompactFlash 50-pin to IDE 44-pin adapter
- **1703070101** ATX power control cable
- **1703050306** TV-out cable
- **1750000150** CPU fan for Tualatin processor