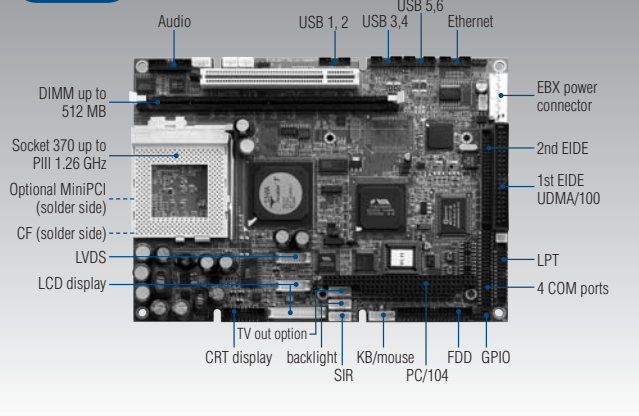


PCM-9577

Socket 370 SBC with Gigabit LAN, USB2.0, VGA/LCD and Audio

NEW



Specifications

- **CPU** Socket 370 for Intel® Celeron®/Pentium® III/512K (Tualatin) up to 1.26 GHz
- **System Memory** SDRAM PC133 168-pin DIMM x 1, Max. 512 MB
- **2nd Cache Memory** 128KB/256KB/512KB on the processor
- **System Chipset** VIA PN133T (VT8606, VT82C686B), 133 MHz FSB
- **BIOS** AWARD 256 KB Flash BIOS
- **SSD** CompactFlash™ card Type I/II
- **Watchdog Timer** 1 - 62 sec, 62 level timer intervals, system reset or IRQ11
- **Expansion Interface** PC/104 and PCI slot
- **Battery** Lithium 3 V/196 mAh
- I/O**
- **MIO** 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
- **IrDA** 115 Kbps, IrDA 1.1 compliant
- **Audio** VIA 82C686 support AC'97 2.0 compliant, Mic-in, Line in, CD Audio-in, Line-out, Speaker-out
- **USB** 2 USB 1.1 host port
4 USB 2.0 host ports
- Ethernet**
- **Chipset** Intel® 82551ER [Intel® 82551QM optional] (PCM-9577F)
Intel® 82540EM (PCM-9577FG)
- **Interface** 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 supports up to Pentium® III/512K 1.26GHz
- Supports Gigabit Ethernet (PCM-9577FG)
- Supports 2 USB 1.1 and 4 USB 2.0
- 133 MHz FSB and 4x AGP graphics for high performance application
- 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@16bpp (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)** Supports both NTSC/PAL, S-video and Composite Video

Mechanical and Environmental

- **Dimensions (L x W)** 203 X 146 mm (8" x 5.75")
- **Power supply Voltage** +5 V ± 5%, +12 V ± 5%
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®)
- **Operating temperature** 0 ~ 60° C (32~140° F)
- **Operating Humidity** 0% ~ 90% Relative Humidity, non condensing
- **Weight** 0.85 kg (weight of total package)

1
System on Module Solutions

2
Single Board Computers and Accessories

3
PC/104 Modules

4
Slot CPU Cards and Accessories

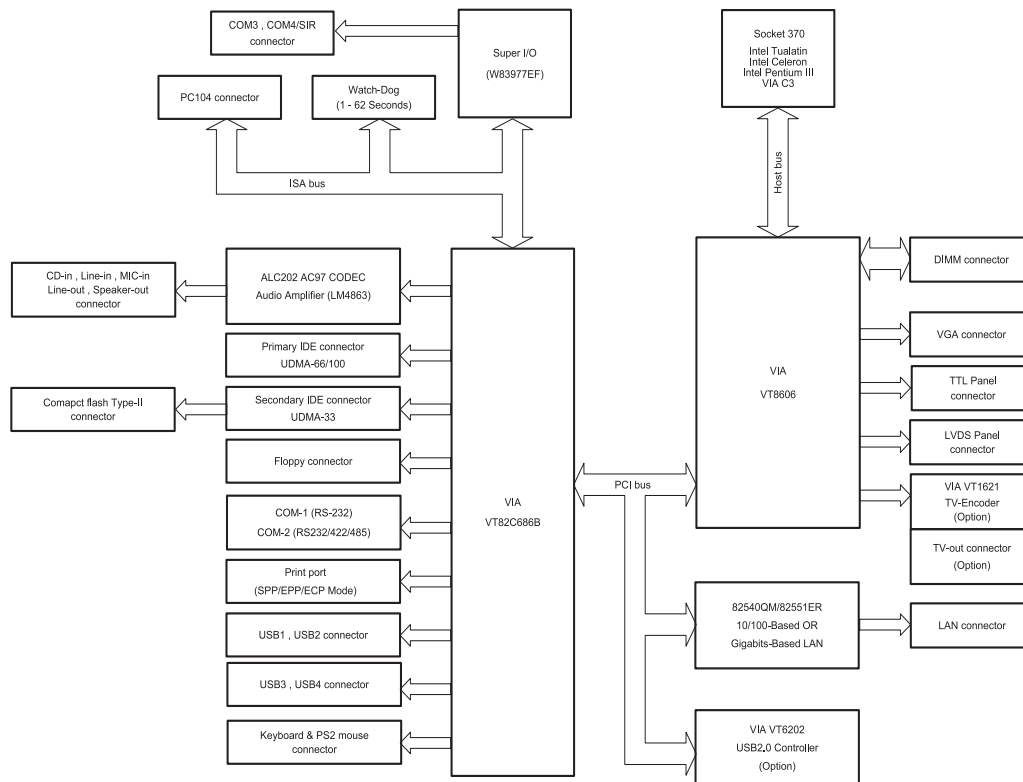
5
AIMB/POS Control Boards

6
Internet Security Platforms

7
Embedded Software

8
Appx

Board Diagram



Packing List

- 1 PCM-9577 SBC
- 1 Mini Jumper pack [count.: 10 pcs] (p/n: 9689000002)
- 1 CPU heatsink with FAN (p/n: 1759200880)
- Start up manual
- Utility CD
- EBX 7P-4P power cable (p/n: 1703080101)

Ordering Information

Standard

- **PCM-9577F-00A2** Socket 370 SBC W/ 100 BASED LAN, VGA/LCD, LVDS, USB 2.0
- **PCM-9577FG-00A2** Same as PCM-9577F-00A1, but with Gigabit Ethernet and USB 2.0

Optional

- **PCM-10586-5A00** Wiring kit for PCM-9575/PCM-9677F
- **PCM-10586-5G00** Wiring kit for PCM-9577FG (Gigabit LAN)
- **1703100260** USB cable for PCM-9570/9572F/9574/9576F/9550F/9575
- **CF-HDD-ADP** CompactFlash™ 50-pin to IDE 44-pin adapter
- **1703070101** ATX power control cable
- **1703050306** TV-out cable