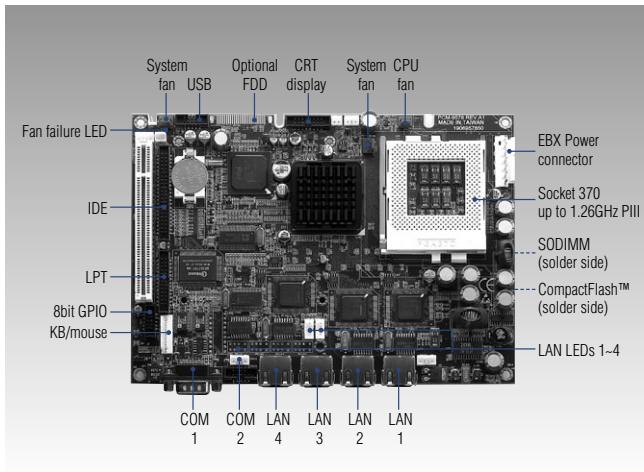


# PCM-9578

Socket 370 SBC with 4 LAN,  
VGA, 2 COMs



## Features

- Socket 370 supports up to Pentium III/512 KB up to 1.26 GHz
- Supports 3 or 4 Ethernet connections for networked communication platforms
- Optional LAN 1, LAN 2 bypass function
- 8 GPIO for LAN control LED indicators
- Supports fan fail detect function
- Supports redirection function to control console via serial port

## Specifications

### General

- **CPU** Socket 370 for FC-PGA & FC-PGA2 Intel Celeron/ Pentium III/512 KB (Tualatin) up to 1.26 GHz
- **2nd Cache Memory** 128 KB on the Celeron processor, 256/512 KB on the Pentium III CPU
- **System Chipset** Intel 815E chipset, 82815 GMCH and 82801BA ICH2, 133 MHz FSB
- **BIOS** Award 512 Kbit Flash BIOS
- **System Memory** SDRAM PC133 144-pin SODIMM x 1, Max. 512 MB
- **Power Management** APM 1.1, APCI Support
- **SSD** Support CompactFlash card Type I/II
- **WatchDogTimer** N/A
- **Expansion Interface** PCI slot
- **Battery** Lithium 3 V/196 mA

### I/O

- **I/O Interface** 1 x EIDE (Ultra DMA33), 1 x FDD (optional), 1 x K/B, 1 x Mouse, 1 x LPT, 2 x RS-232
- **USB** 2 USB host ports, USB 1.1 compliant
- **Audio** N/A
- **IrDA** N/A
- **GPIO** 8-bit General Purpose programmable I/O

### Ethernet

- **Chipset** Intel 82559ER x 3 Intel x 3 (PCM-9578F-04A1), Optional Intel 82559 x 3 or Intel 8139C x 3, Intel 82559ER x 3 (PCM-9578F-03A1)
- **Speed** 10/100 Mbps
- **Interface** RJ45 by cable
- **Standard** Three or four PCI IEEE 802.3u 100BASE-T Ethernet, Built-in Boot ROM in Flash BIOS (optional for 82559 and 8139C)

### Display

- **Chipset** Intel 82815 GMCH
- **Memory Size** Shared with system memory 32 MB/64 MB
- **Resolution** CRT Mode: 1600 x 1200 @ 8 bpp (75 Hz), 1280 x 1024 @ 24 bpp (85 Hz)
- **LCD Interface** Supports AGP 2.0 including 4x AGP data transfers
- **TV-Out** N/A
- **Dual Independent Display** N/A

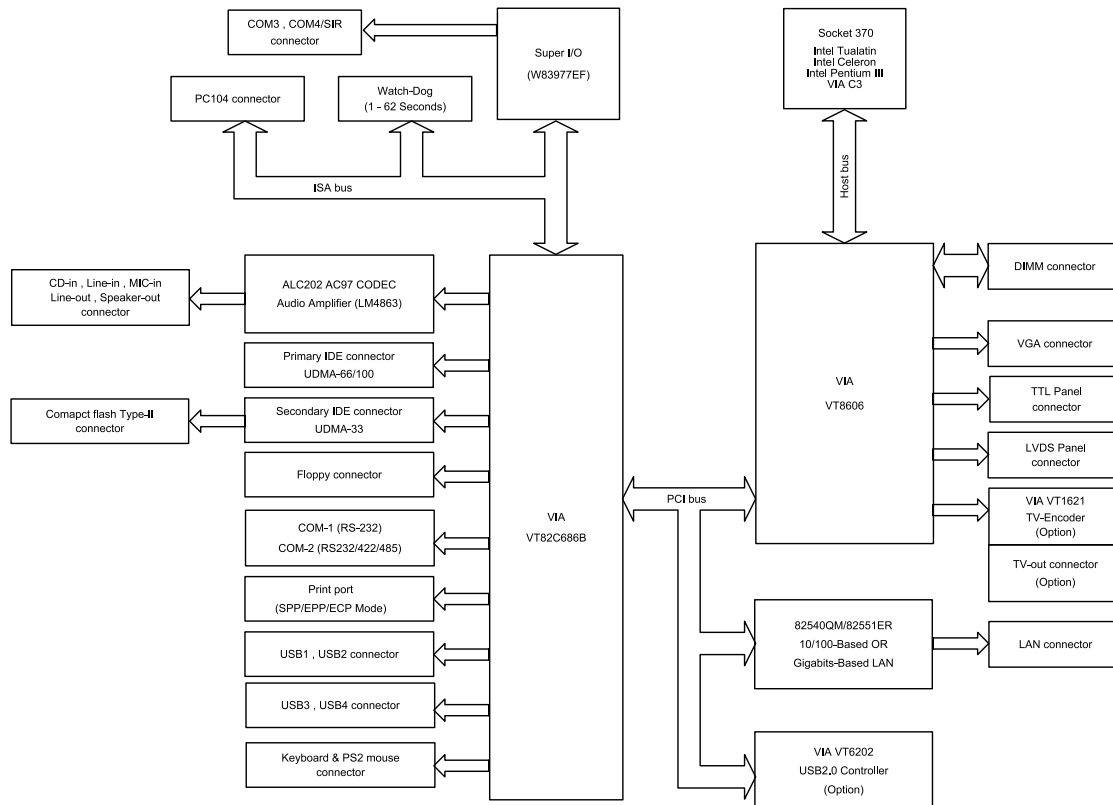
### Mechanical and Environmental

- **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

### Power

- **Power Supply Voltage** +5 V ± 5%
- **Power Consumption** Max. : 10 A @ +5 V  
Typical: 7.6 A @ +5 V (with 256 MB DRAM, Intel Pentium III 1.26 GHz)

## Board Diagram



## Packing List

- 1 x PCM-9578 single board computer
- 1 x Startup Manual
- 1 x Utility CD
- 1 x Mini Jumper Pack [count.: 10 pcs]
- 1 x EBX 7P-4P Power Cable

(p/n: 9689000002)

(p/n: 1703080101)

## Ordering Information

### Standard

- **PCM-9578F-04A1** Socket 370 SBC W/ 4 LANs, 2 COMs, 8 GPIOs, VGA
- **PCM-9578F-03A1** Same as PCM-9578F-04A1, but with 3 Ethernet

### Optional Accessories

- **PCM-10586-5E00** Wiring kit for PCM-9578F
- **1759209100** CPU fan with heatsink supports up to Pentium III 1.26 GHz
- **1703100260** USB cable for PCM-9570/9572F/9574/9576F/9550F/9575
- **1703070101** ATX power control cable