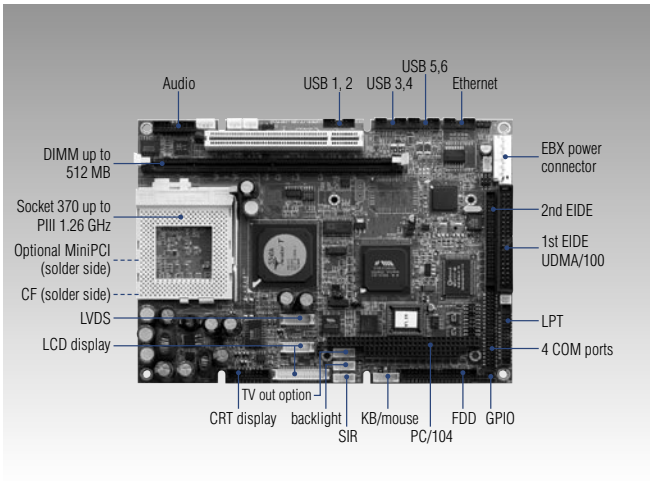
PCM-9577

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



Features

- Socket 370 support up to Intel® Pentium® III/512 KB 1.26 GHz
- Supports Gigabit Ethernet (PCM-9577FG)
- Supports 2 x 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

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 timer intervals, 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 82540EM (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

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	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

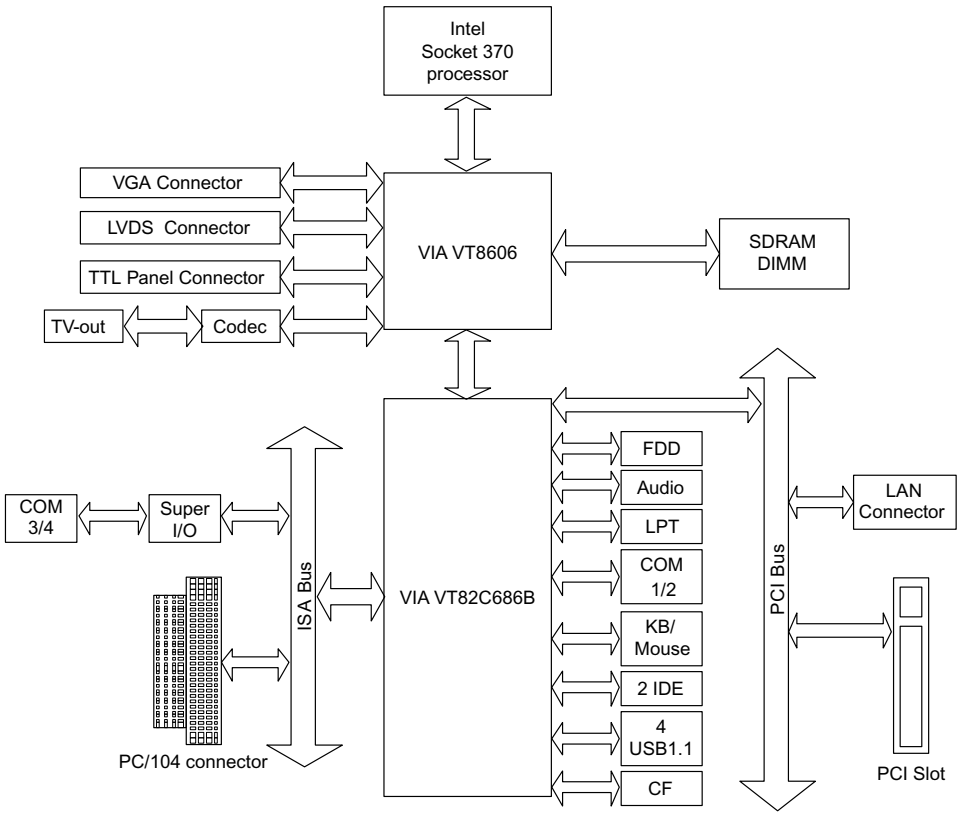
Power

Power Supply Voltage	+5 V ±5%, +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	DOC 2000	PCI-104 connector	PC/104 connector	PCI Slot	Operation Temp.
PCM-9577F-00A2E	Socket 370	Yes	36 bit	Yes	1	--	Yes	4	2	3	1	Yes	Yes	Yes	Yes	Yes	1	0 ~ 60° C
PCM-9577FG-00A2E	Socket 370	Yes	36 bit	Yes	--	1	Yes	4	2	3	1	Yes	Yes	Yes	Yes	Yes	1	0 ~ 60° C

Optional Accessories

- **PCM-10586-5A00** Wiring kit for PCM-9575/PCM-9577F
- **PCM-10586-5G00** Wiring kit for PCM-9577FG (Gigabit LAN)
- **1700100260** 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