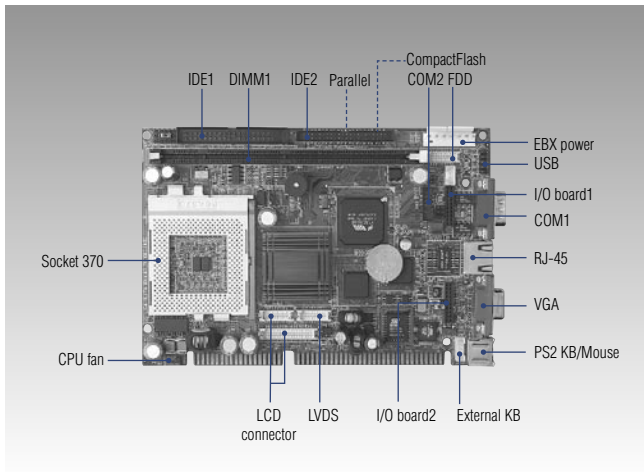


# PCA-6774

## ISA Socket 370 Slot-PC SBC, VGA/LCD/LVDS/ LAN/CFC/Optional Second LAN



## Specifications

### General

- **CPU** Supports FC-PGA/FC-PGA2 Socket 370, Celeron/Pentium III CPU, up to 1.26 GHz Pentium III with 512 KB (Does not support PPGA CPU)
- **2nd Cache Memory** 64 KB on the CPU
- **System Chipset** VIA VT8606 "TwisterT"+VT82C686B
- **BIOS** AWARD® 256 kbit Flash BIOS
- **System Memory** 1 x SDRAM DIMM, Max. 512 MB
- **Power Management** ACPI, APM1.2
- **SSD** Supports CompactFlash® Card type/II
- **Watch Dog Timer** 1 ~ 62 sec, System reset or IRQ11
- **Expansion Interface** 1 x 16-bit ISA slot
- **Battery** Lithium 3 V/196 mAh

### I/O

- **I/O Interface** 2 x EIDE, 1 x FDD, 1 x K/B, 1 x Mouse, 1 x RS-232/422/485, 1 x RS-232, 1 x LPT
- **USB** 4 x USB ports, USB 1.1 compliant
- **Audio** N/A
- **IrDA** N/A
- **GPIO** N/A
- **I/O Expansion** I/O daughter board connectors, ISA

### Ethernet

- **Chipset** Intel 82551/82559 (PCA-6774F-00A1, PCA-6774F-02A1)  
Intel 82540 (PCA-6774FG-00A1)
- **Speed** 10/100Base-T, 10/100/1000Base-T
- **Interface** 1 x RJ-45
- **Standard** IEEE 802.3 z/ab (1000Base-T) or IEEE 802.3u (100Base-T) protocol compatible
- **Built-in Boot ROM** (optional when using Intel 82559 LAN chip)

## Features

- Socket 370 supports up to 1.26 GHz Intel® Pentium® III with 512 KB
- Giga LAN/Second Lan support
- Supports up to 133 MHz FSB
- Four AGP graphics for high performance
- Supports TFT and DSTN LCD, LVDS

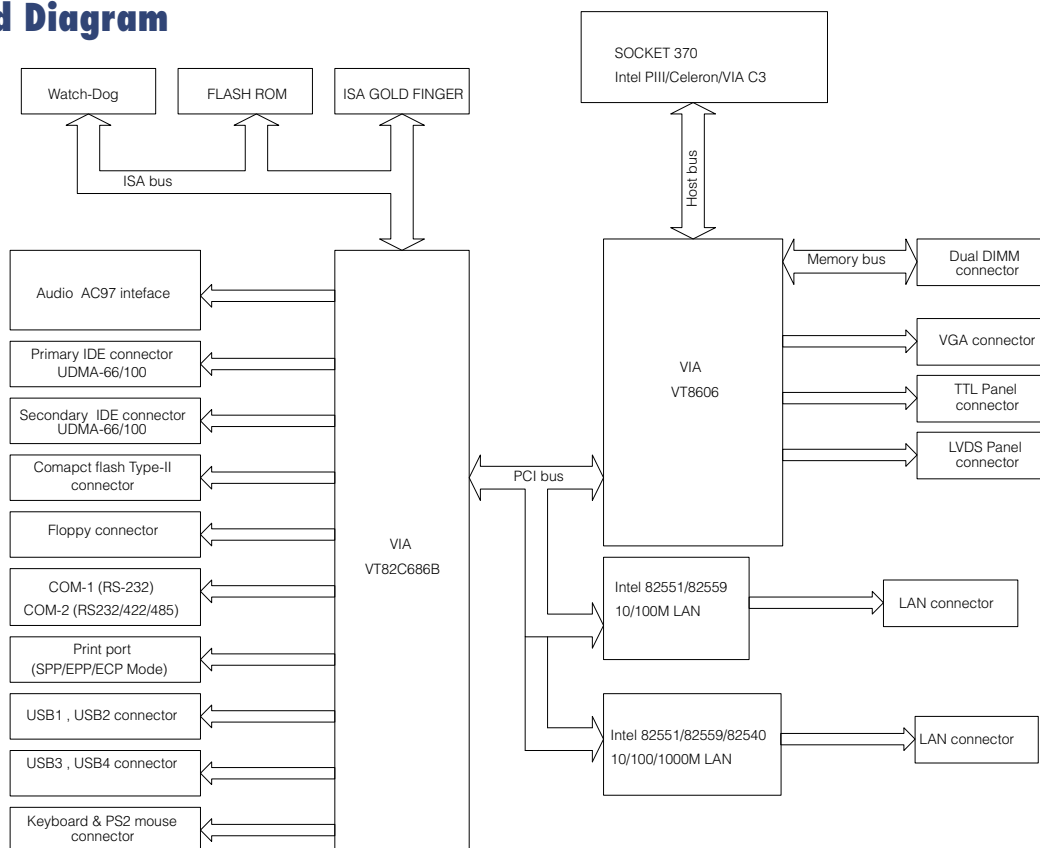
### Display

- **Chipset** VIA VT8606 "TwisterT" integrated ProSavage4 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),  
800 x 600 @ 16 bpp (60 Hz),  
LCD Mode: 1280 x 1024 @ 16 bpp (60 Hz),  
1024 x 768 @ 16 bpp (60 Hz),  
1280 x 1024 @ 32 bpp
- **LCD Interface** 36-bit TTL
- **LVDS Interface** 2-Channel (2 x 18-bit) LVDS interface
- **TV-Out** N/A
- **Dual Independent Display** N/A

### Mechanical and Environmental

- **Dimension (L x W)** 185 x 122 mm (7.3" x 4.8")
- **Weight** 0.27 kg (weight of total package)
- **Operating Temperature** 0 ~ 60° C (32 ~ 140° F), operation
- **Operating Humidity** 0% ~ 90% relative humidity
- **Power Supply Voltage** +5 V, +12 V ± 5%
- **Power Consumption** Max. : 6.18 A @ +5 V, 0.22 A @ +12 V  
Typical : 5.5 A @ +5 V(w/128MB SDRAM, Pentium III 1.0GHz)  
0.17A @ +12 V(w/128 MB SDRAM, Pentium III 1.0 GHz)

## Board Diagram



## Packing List

- 1 x PCA-6774 SBC
- 1 x Y Cable for PS/2 Keyboard, PS/2 Mouse (p/n:1700060202)
- 1 x E-IDE (HDD) Cable (p/n:1701400452)
- 1 x FDD Cable (p/n:1703340400)
- 1 x Parallel Port Cable (p/n:1700260250)
- 1 x Power Cable (p/n:1703080101)
- 1 x COM Port Cable (p/n: 1700100250)
- 1 x Mini Jumper (p/n:1653300100)
- 1 x Startup Manual
- 1 x Utility CD

## Optional Accessories

- PCA-6104-0C2E 4-slot ISA backplane
- PCA-6106-0B2E 6-slot ISA backplane
- PCA-6108-0C2E 8-slot ISA backplane
- IPC-644-15ZE 4-slot ISA chassis w/backplane & 150 W power supply
- IPC-6806-20ZBE 6-slot ISA chassis w/backplane & 200 W power supply
- IPC-6606BP-25ZE ISA chassis with 250 W power supply
- IPC-6606BP-30ZE ISA chassis with 300 W power supply
- PCM-231A-00A1E Audio module with Line-in, Line-out, Mic
- 1703100260 USB cable adapter (2.00 mm)
- CF-HDD-ADP CompactFlash 50-pin to IDE 44-pin adapter

## Ordering Information

Standard	CRT	LVDS	TTL	10/100	USB	RS-232	RS-232/422/485	LPT	CF
PCA-6774F-00A1E	1	1	1	1	4	1	1	1	Type I/II
PCA-6774FG-00A1E	1	1	1	1	4	1	1	1	Type I/II
PCA-6774F-02A1E	1	1	1	1	4	1	1	1	Type I/II