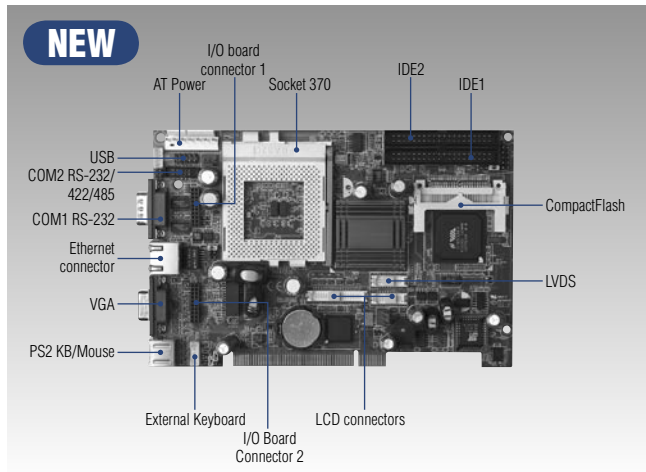


# PCI-6872

## PCI Socket 370 Slot PC, VGA/LCD/LVDS/ LAN/CFC with optional 2nd LAN



### Specifications

- **CPU** Socket 370 for VIA C3 and Intel processors up to Pentium III 1.26 GHz with 512K (Tualatin)
- **System chipset** VIA VT8606 "TwisterT" +VT82C686B
- **BIOS** Award 256 KB Flash memory
- **System memory** One SODIMM socket accepts 64 MB up to 512 MB SDRAM
- **2nd cache memory** 128/256/512KB on Celeron/Pentium III Processor, or 64KB on VIA C3 processor
- **Enhanced IDE interface** Supports two Enhanced IDE channels. Supports ATA-100 mode; ATA-33 and PIO modes. CompactFlash card occupies secondary master
- **FDD interface** Supports up to two FDDs
- **Serial ports** Two serial ports  
COM1 : RS-232  
COM2: RS-232/422/485  
RS-485 supports AutoFlow
- **Parallel port** Parallel port supports SPP/EPP/ECP modes
- **Keyboard/mouse connector** Supports standard PC/AT keyboard and a PS/2 mouse
- **Power management** Supports power saving modes including Normal/Standby/Suspend modes. APM 1.2 compliant
- **Watchdog timer** 62-level timer intervals
- **USB** Four universal serial bus ports (only two USB ports without daughter board)

### Solid State Disk

- Supports one 50-pin socket for CompactFlash type I

### Features

- Supports Socket 370 for VIA C3 and Intel® processors up to Pentium® III 1.26 GHz with 512K (Tualatin)
- Supports selectable LAN (1 x 10/100Base-T LAN or 2 x 10/100Base-T LAN)
- 4x AGP graphics for high performance applications
- Supports boot from USB device
- Supports wake-on-LAN
- Supports Ring-up by Modem
- Supports LVDS interface
- Supports LCD backlight turn-off function
- RS-485 Auto-flow

### VGA/LCD/LVDS Interface

- **Chipset** VIA TwisterT chip with integrated Savage4 2D/3D/Video Accelerator
- **Frame buffer** Supports 8/16/32MB frame buffer with system memory
- **Interface** 4x AGP VGA/LCD interface, Support for 9, 12, 15, 18, 24, 36 bit TFT
- **Display modes**  
**CRT Modes:**  
1280 x 1024 @ 16 bpp (60 Hz),  
1024 x 768 @ 16 bpp (85 Hz)  
800 x 600 @ 16 bpp (60 Hz)  
**LCD/Simultaneous Modes:**  
1280 x 1024 @ 16 bpp (60 Hz)  
1024 x 768 @ 16 bpp (60 Hz)  
1280 x 1024 @ 32 bpp  
**LVDS interface:**  
Supports LVDS interface

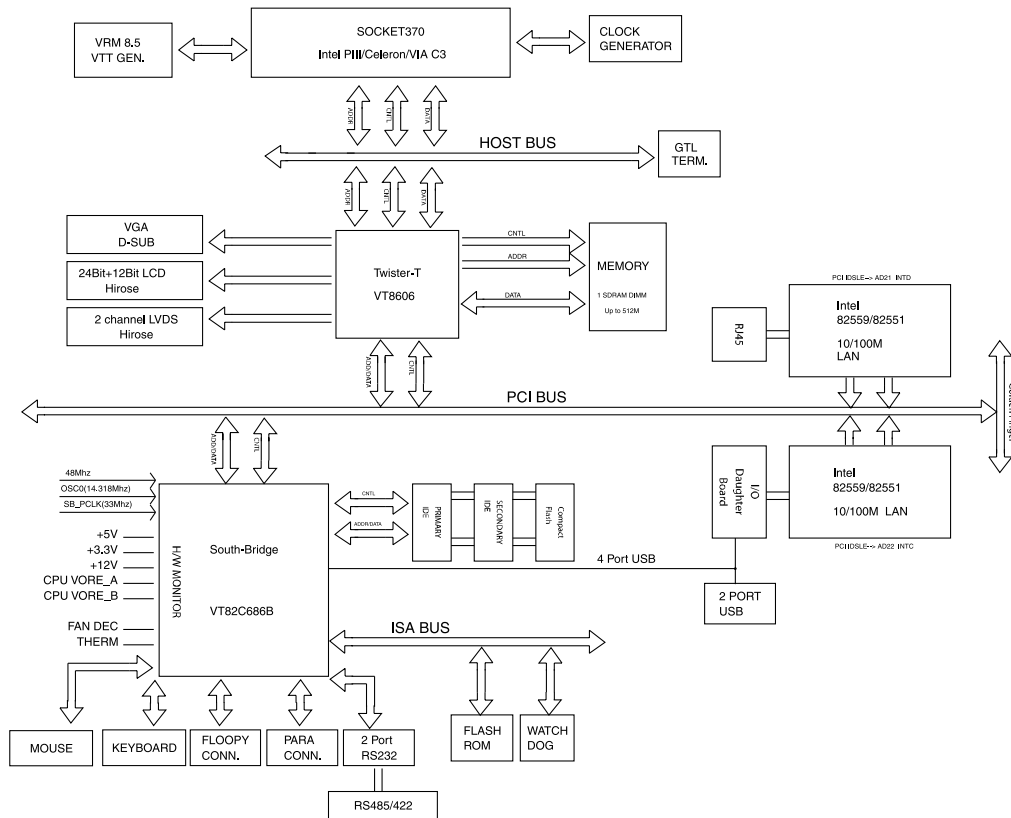
### Ethernet interface

- **Chipset** Intel 82551
- **Ethernet interface** IEEE 802.3u 10/100Base-T Fast Ethernet compatible, Supports selectable LAN (1 x 10/100Base-T LAN or 2 x 10/100Base-T LAN)
- **I/O address switchless setting**
- **Built-in boot ROM**

### Mechanical and Environmental

- **Dimensions (L x W)** 185 x 122 mm (7.28" x 4.80")
- **Power supply voltage** +5 V, +12 V ± 5%
- **Power requirements** Max: 5.68 A @ +5 V, 0.15 A @ +12 V  
Typical : 5.5 A @ +5 V, (with PC133 256MB SDRAM, 1.26 GHz); 0.11 A @ +12 V, (with PC133 256MB SDRAM, 1.26 GHz)
- **Operating temperature** 0 ~ 60° C
- **Weight** 0.27 kg (weight of total package)

## Board Diagram



## Packing List

▪ PCI-6872 SBC	
▪ Y cable for PS/2 Keyboard, PS/2 Mouse	1700060202
▪ E-IDE (HDD) Cable	1701400452
▪ FDD Cable	1701260125
▪ Parallel port cable	1700260250
▪ Power Cable	1703080101
▪ COM port Cable	1700100250
▪ Mini Jumper	1653300100
▪ Startup Manual	
▪ Utility CD	

## Ordering Information

▪ PCI-6872F-00A1	PCI Socket 370 half-sized CPU Card with VGA/LCD/LVDS/LAN/CFC
▪ PCI-6872F-02A1	PCI Socket 370 half-sized CPU Card with VGA/LCD/LVDS/2LAN/CFC

### Optional

▪ 1703100260	USB cable adapter (2.00 mm)
▪ 1703200100	ATX power cable
▪ CF-HDD-ADP	CompactFlash 50-pin to IDE 44-pin adapter
▪ 1759209100	Fan/Heatsink module
▪ IPC-644P4-80	Chassis w/PCA-6104P4/80 W power supply
▪ IPC-6806P5	Chassis w/PCA-6105P5/100 W power supply
▪ PCA-6104P4	4 slot PCI passive backplane
▪ PCA-6105P5-0B1	5 slot PCI passive backplane