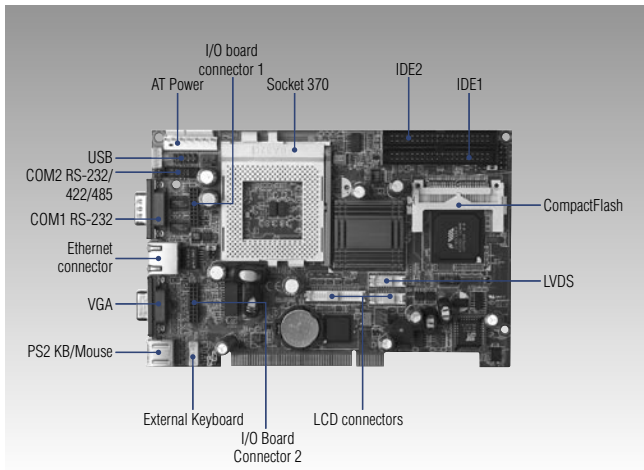


PCI-6872

PCI Socket 370 Slot-PC, VGA/LCD/ LVDS/LAN/CFC with Optional 2nd LAN



Specifications

General

- **CPU** Socket 370 for VIA C3 and Intel processors up to Pentium III 1.26 GHz with 512 KB (Tualatin)
- **2nd Cache Memory** 128/256/512 KB on Celeron/Pentium III Processor, or 64KB on VIA C3 processor
- **System Chipset** VIA VT8606 TwisterT® +VT82C686B
- **BIOS** AWARD® 256 kbit Flash memory
- **System Memory** 1 x SODIMM accepts 64 MB up to 512 MB SDRAM
- **Power Management** Supports power saving modes including Normal/Standby/Suspend modes. APM 1.2 compliant
- **SSD** Supports one 50-pin socket for CompactFlash® type I/II
- **Watch Dog Timer** 62-level timer intervals
- **Expansion Interface** 1 x 32-bit PCI slot
- **Battery** Lithium 3 V/196 mAh

I/O

- **I/O Interface** 2 x IDE, 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 (2 x USB ports without daughter board)
- **Audio** N/A
- **IrDA** N/A
- **I/O Expansion** I/O daughter board connectors, PCI

Ethernet interface

- **Chipset** Intel 82551ER (82551QM optional)
- **Speed** 1 x 10/100Base-T or 2 x 10/100Base-T (with daughter board)
- **Interface** 1 x RJ-45
- **Standard** IEEE 802.3u (100 Base-T) protocol compatible
- **Built-in Boot ROM** Optional

Features

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

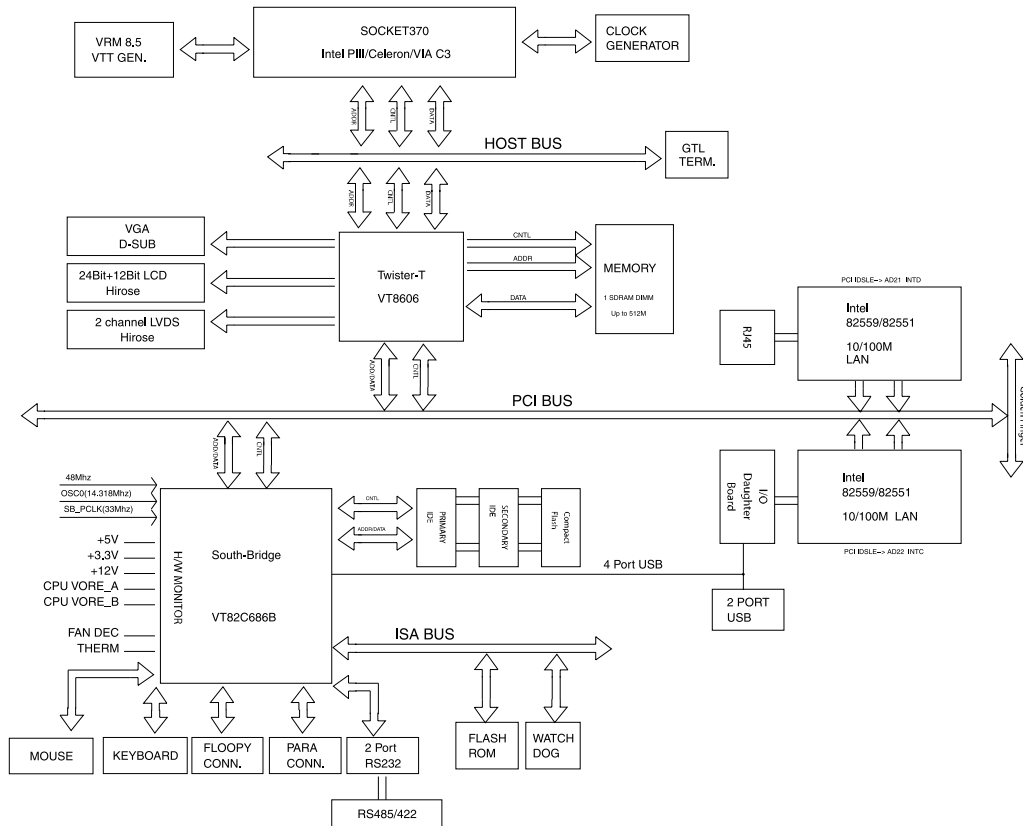
Display

- **Chipset** VIA TwisterT chip with integrated Savage4 2D/3D/Video Accelerator
- **Memory Size** Supports 8/16/32 MB frame buffer with system memory
- **Resolutions**
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
- **LCD Interface** Supports for 9, 12, 15, 18, 24, 36 bit TFT
- **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, non-condensing
- **Power Supply Voltage** +5 V, +12 V ± 5%
- **Power Consumption** Max: 5.68 A @ +5 V, 0.15 A @ +12 V
Typical : 5.5 A @ +5 V, (with PC133 MHz 256 MB SDRAM, 1.26 GHz); 0.11 A @ +12 V, (with PC133 MHz 256 MB SDRAM, 1.26 GHz)

Board Diagram



Packing List

- 1 x PCI-6872 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:1701260125)
- 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

Ordering Information

Standard

- **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
- **PCI-6872F-00A1E** Same as PCI-6872F-00A1, RoHS
- **PCI-6872F-02A1E** Same as PCI-6872F-02A1, RoHS

Optional Accessories

- **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-6104P4-0B1** 4 slot PCI passive backplane
- **PCA-6105P5-0B1** 5 slot PCI passive backplane