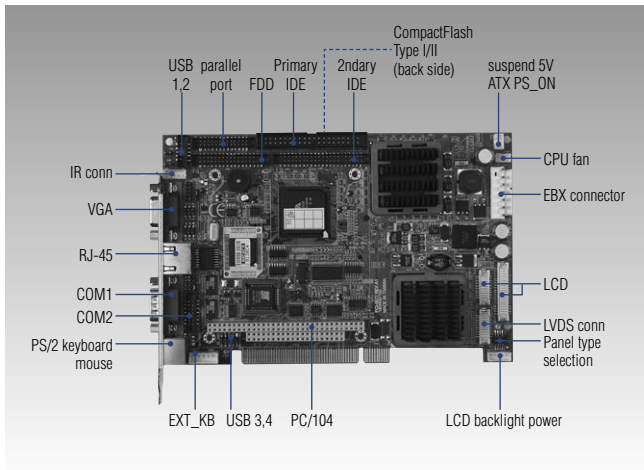


PCI-6871

PCI Slot-PC SBC, Eden 400/667 MHz/VGA/
LCD/LVDS/LAN/CFC



Features

- 32-bit PCI Slot
- Low power VIA Eden CPU on board
- AGP 4 x VGA
- Supports TFT and DSTN LCD, LVDS
- Supports wake-up on LAN, modem

Specifications



General

- **CPU** Embedded VIA low power processor on die 128 KB L1 cache memory
Eden667 (PCI-6871F-M0A1)
Eden 400 (PCI-6871F-J0A1, PCI-6871F-J1A1)
- **2nd Cache Memory** 64KB on the CPU
- **System Chipset** VIA VT8606 "TwisterT" + VT82C686B
- **BIOS** AWARD 256 kbit Flash BIOS
- **System Memory** SDRAM SODIMM x 2 Max. 512 MB
- **Power Management** ACPI
- **SSD** Support CompactFlash® Card Type I/II
- **Watch Dog Timer** 1 ~ 62 sec, System reset or IRQ11
- **Expansion Interface** 32-bit PCI slot
- **Battery** Lithium 3 V/196 mAh

I/O

- **I/O Interface** 2 x EIDE (1 x Ultra DMA100, 1 x Ultra DMA33), 1 x FDD, 1 x K/B, 1x Mouse, 1 x RS-232/422/485, 1 x RS-232, 1 x LPT
- **USB** 4 USB ports, USB 1.1 compliant
- **Audio** N/A
- **IrDA** 115 Kbps, IrDA 1.1 compliant
- **GPIO** N/A
- **I/O Expansion** PC104, PCI

Ethernet

- **Chipset** RTL 8139C
- **Speed** 10/100Base-T
- **Interface** RJ-45
- **Standard** IEEE 802.3u 10/100Base-T Fast Ethernet compatible
- **Built-in Boot ROM** Optional

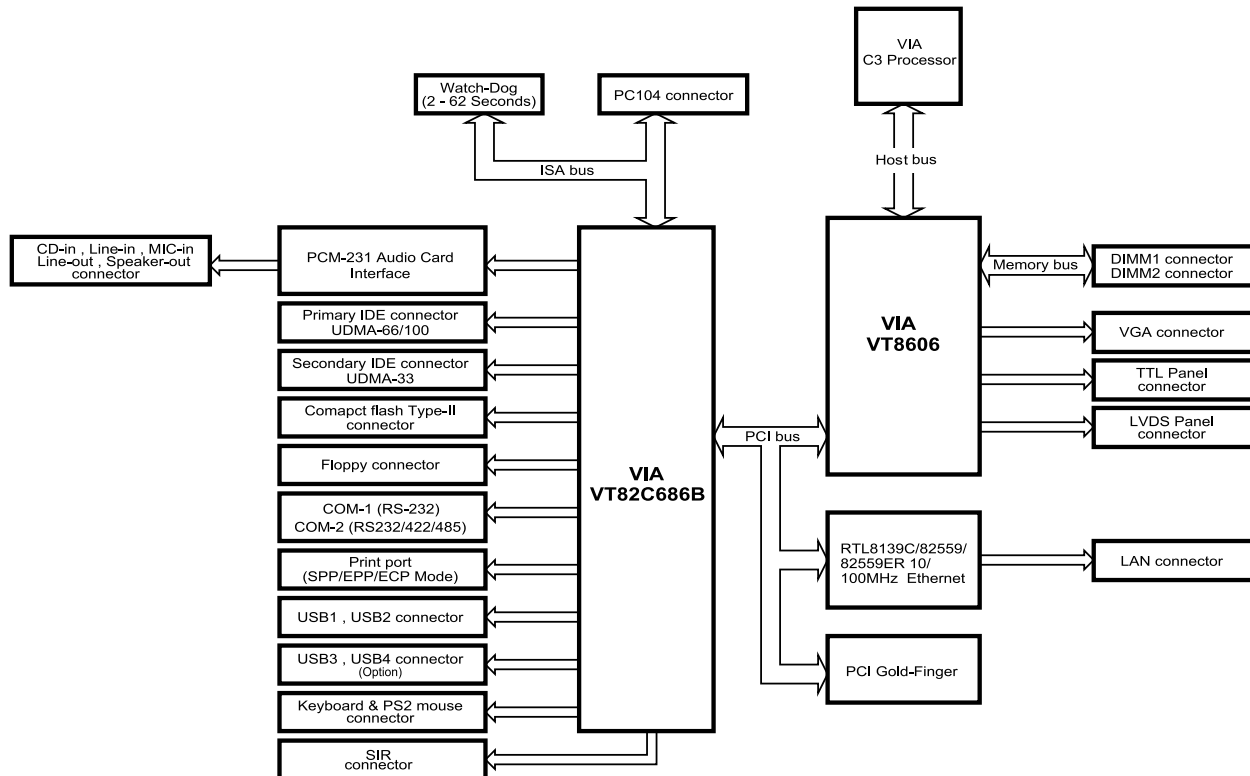
Display

- **Chipset** VIA VT8606 "TwisterT" integrated 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),
800 x 600 @ 16 bpp (60 Hz)
LCD Mode: 1280 x 1024 @ 16 bpp
1024 x 768 @ 16 bpp
1280 x 1024 @ 32 bpp
- **LCD interface** 36-bit TTL
- **LVDS** 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: 2.481 A @ +5 V, 47.5 mA @ +12 V
(with 256 MB SDRAM, VIA C3-400 MHz CPU)
Typical: 2.37 A @ +5 V, 34.02 mA @ +12 V
(with 256 MB SDRAM, VIA C3-400 MHz CPU)

Board Diagram



Packing List

- 1 x PCI-6871 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 (600 mm) (p/n:1701340603)
- 1 x Parallel port cable (p/n:1700260250)
- 1 x Power Cable (p/n:1703080101)
- Mini Jumper (p/n:1653300100)
- 1 x Startup Manual
- 1 x Utility CD

Ordering Information

Standard

- **PCI-6871F-J0A1** PCI Eden 400 SlotPC SODIMM/VGA/LCD/LVDS/8139/CFC2
- **PCI-6871F-J2A1** PCI Eden 400 SODIMM/VGA/LCD/LVDS/82559ER/CFC type II
- **PCI-6871F-M0A1** PCI Eden 667 SODIMM/VGA/LCD/LVDS/8139/CFC type II
- **PCI-6871F-S0A1** Same as PCI-6871F-M0A1 with C3 LP 1G

Optional Accessories

- **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-PCI slot passive backplane
- **PCA-6105P5-0B1** 5-PCI slot passive backplane
- **1703100260** USB cable adapter (2.00 mm)
- **CF-HDD-ADP** CompactFlash 50-pin to IDE 44-pin adapter
- **PCM-231A-00A1** Audio module with Line-in, Line-out, mic
- **1700000051** Audio cable 10P-2.0 mm/10P-2.0 mm 20 cm
- **9689000042** IrDA adapter
- **1703200100** ATX power cable
- **1701140201** COM cable