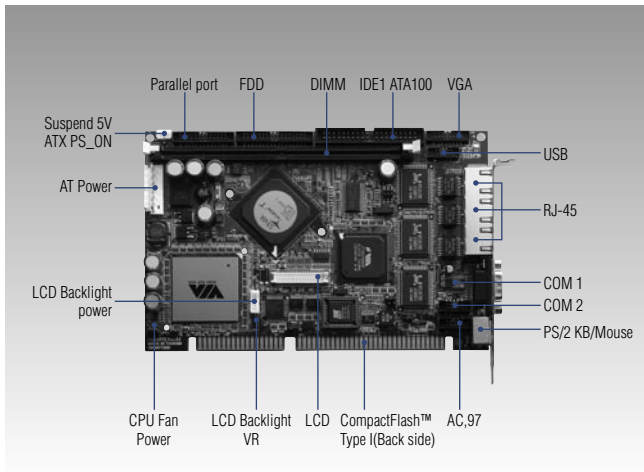


# PCA-6772

ISA Low Power Slot-PC SBC,  
supporting VGA/LCD/CFC/3 LAN



## Specifications

### General

- **CPU** Embedded VIA low power processor on die 128 KB L1 cache memory  
Eden 400 (PCA-6772F-J3A2, PCA-6772F-J1A2)  
Eden 667 (PCA-6772F-M1A2, PCA-6772F-M3A2)
- **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 I/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** 1 x EIDE (1 x Ultra DMA100), 1 x FDD, 1 x K/B, 1 x Mouse, 2 x RS-232, 1 x LPT
- **USB** 2 x USB ports, USB 1.1 compliant
- **Audio** AC'97 compliant
- **IrDA** N/A
- **GPIO** N/A
- **I/O Expansion** ISA

## Features

- VIA® Eden® 400/667 low power CPU on board
- 3 Ethernet connections
- Supports up to 100/133 MHz FSB
- 4X AGP graphics for high performance
- Fanless operation

### Ethernet

- **Chipset** RTL™ 8139C Plus
- **Speed** 10/100Base-T
- **Interface** 3 x RJ-45
- **Standard** IEEE 802.3u compatible

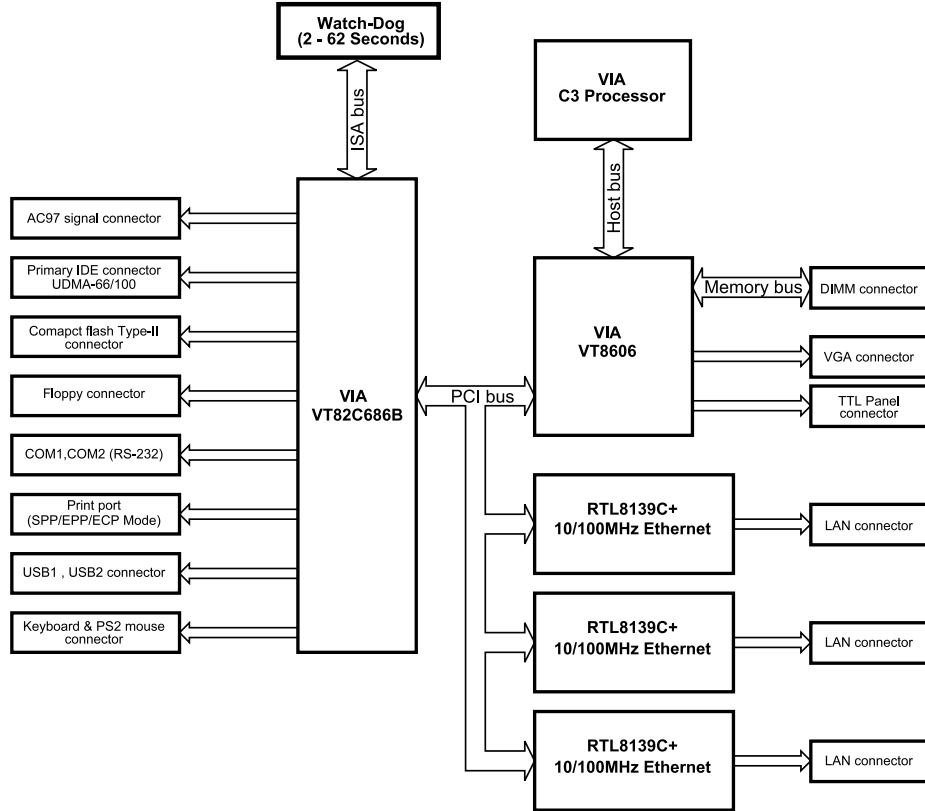
### Display

- **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: 800 x 600 @ 18 bpp (60 Hz)  
640 x 480 @ 18 bpp (60 Hz)
- **LCD Interface** 18-bit TTL
- **LVDS Interface** N/A
- **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 : 4.5 A @ +5 V, 0.5A @ +12 V  
Typical: 3.3 A @ +5 V (w/256 MB DRAM, Ezra 800 MHz CPU)  
2.78 A @ +5 V (w/256 MB DRAM, Eden 400 MHz CPU)  
244 mA @ +12 V

## Board Diagram



## Packing List

- 1 x PCA-6772 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:1701340603)
- 1 x Parallel port cable (p/n:1700260250)
- 1 x Com port cable (p/n:1700100250)
- 1 x Power Cable (p/n:1703080101)
- 1 x Mini Jumper (p/n:1653300100)
- 1 x Startup Manual
- 1 x Utility CD

## Ordering Information

### Standard

- **PCA-6772F-M3A2** ISA Eden 667 Slot CPU card with VGA/LCD/CFC 3 Ethernet
- **PCA-6772F-M1A2** ISA Eden 667 Slot CPU card with VGA/LCD/CFC 1 Ethernet
- **PCA-6772F-J3A2** ISA Eden 400 Slot CPU card with VGA/LCD/CFC 3 Ethernet
- **PCA-6772F-J1A2** ISA Eden 400 Slot CPU card with VGA/LCD/CFC 1 Ethernet

### Optional Accessories

- **IPC-644-80** 4-slot IPC chassis w/ backplane & 80 W power supply
- **PCA-6114-B** 14-slot ISA passive backplane
- **PCA-6108-0B1** 8-slot ISA passive backplane
- **PCA-6106-B** 6-slot ISA passive backplane
- **PCA-6104-0C1** 4-slot ISA passive backplane
- **1703100260** USB cable adapter (2.00 mm)
- **1703200100** ATX power cable
- **PCM-231A-00A1** Audio module with Line-in, Line-out, Mic
- **CF-HDD-ADP** CompactFlash 50-pin to IDE 44-pin adapter