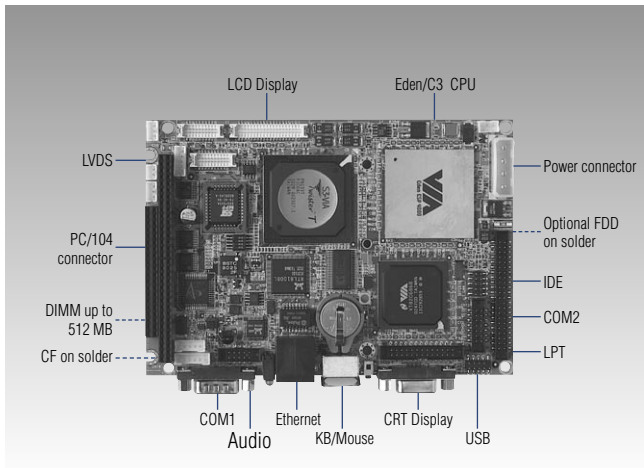


# PCM-9373

## Low Power VIA Eden SBC with CPU, Audio, VGA/LCD & LAN



## Specifications

### General

- **CPU** Embedded VIA low power Eden 400/667 or VIA C3-LP 1 GHz processor, 128 KB L1 cache memory on die
- **2nd Cache Memory** 64 KB on the Eden processor
- **System Chipset** VIA PN133T (VT8606, VT82C686B, 133 MHz FSB)
- **BIOS** AWARD 256 kbit Flash BIOS
- **System Memory** SDRAM 144 pin SODIMM x 1, Max. 512 MB  
PC133 SODIMM for all models, optional PC100 SODIMM for PCM-9373-J0A1
- **Power Management** APM 1.1
- **SSD** CompactFlash® card Type I/II
- **WatchDog Timer** 1 - 62 sec, 62 level timer intervals system reset or IRQ11
- **Expansion Interface** PC/104 and COM1, Ethernet, KB/Mouse, Connectors location same as PCM-5820/ PCM-5824
- **Battery** Lithium 3 V/196 mAh

### I/O

- **I/O Interface** 1 x EIDE, 1 x FDD (optional), 1 x K/B, 1 x Mouse, 1 x RS-232/422/485, 1 x RS-232, 1 x LPT
- **USB** 2 USB ports, USB 1.1 compliant
- **Audio** VIA 82C686 support AC'97 2.0 compliant, Mic-in, Line-in, Line-out
- **IrDA** 115 kbps, IrDA 1.1 compliant
- **GPIO** N/A

### Ethernet

- **Chipset** RealTek RTL8100
- **Speed** 10/100 Mbps (optional)
- **Interface** RJ45 connector
- **Standard** IEEE 802.3u 100 BASE-T Fast Ethernet compatible  
Built-in boot ROM in Flash BIOS

## Features

- Embedded low power VIA Eden 400/667 MHz or VIA C3-LP 1 GHz processor
- Fanless, 0 ~ 60° C operation (Eden 400/667)
- Supports LCD backlight turn-off function
- 100/133 MHz FSB and 4 x AGP graphic for high performance applications
- 2 Channel (2 x 18-bit) LVDS interface

### Display

- **Chipset** VIA VT8606 Twister chip with Integrated S3 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) LCD/Simultaneous Mode: 1280 x 1024 @ 16 bpp (60 Hz), 1024 x 768 @ 16 bpp (60 Hz)
- **LCD Interface** 4 x AGP VGA/LCD interface, Support for 9, 12, 18, 24, 36-bit TFT and 16 or 24-bit DSTN panels up to SXGA resolution
- **LVDS** 2-Channel (2 x 18-bit) LVDS interface
- **TV-Out (optional)** Supports both NTSC/PAL, S-video and Composite Video via PCM-232 TV-out module
- **Dual Independent Display** N/A

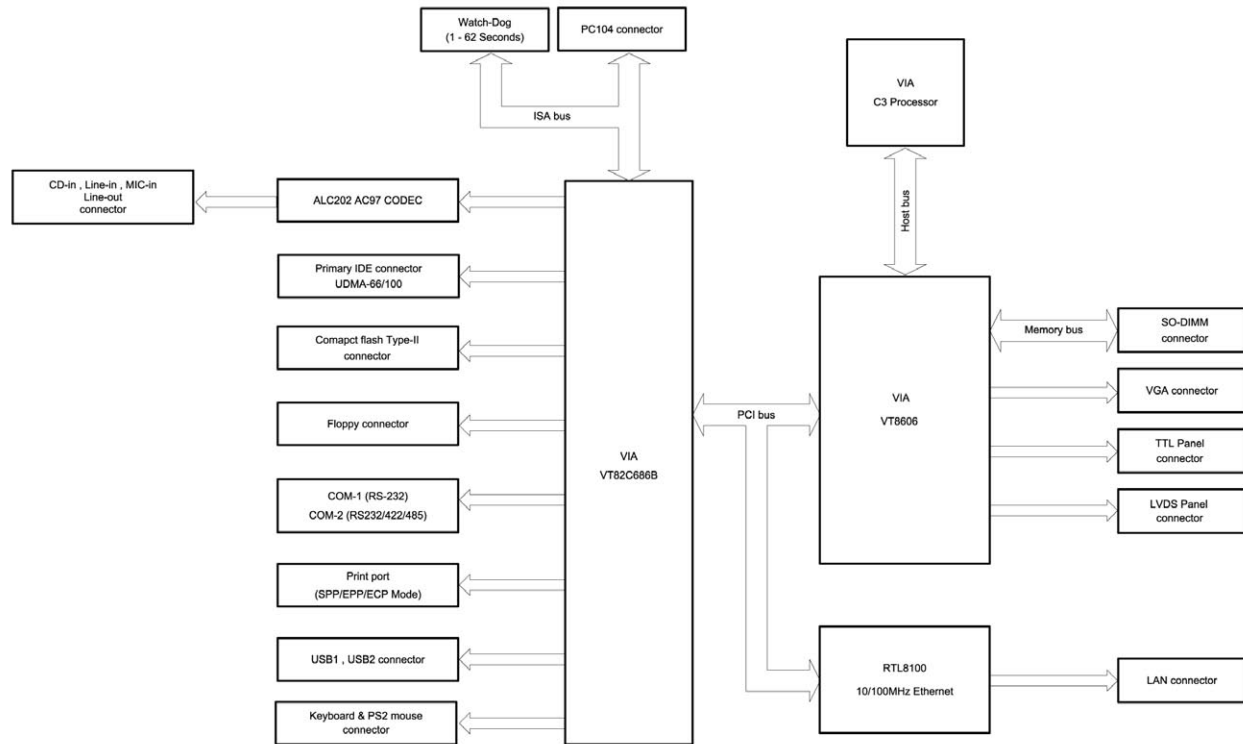
### Mechanical and Environmental

- **Dimension (L x W)** 145 mm x 102 mm (5.7" x 4")
- **Weight** 0.85 kg (weight of total package)
- **Operating Temperature** 0 ~ 60° C (32 ~ 140° F)
- **Operating Humidity** 0% ~ 90% Relative Humidity, noncondensing

### Power

- **Power Supply Voltage** +5 V ± 5%
- **Power Consumption** Max: 4.99 A @ +5 V (Within 5 ms after power on)  
Typical: 2.40 A @ +5 V (with 128 MB DRAM, Eden 400 MHz CPU)  
2.75 A @ +5 V (with 128 MB DRAM, Eden 667 MHz CPU)

## Board Diagram



## Packing List

- 1 x PCM-9373 SBC
- 1 x Mini Jumper Pack [conts.: 10 pcs] (p/n: 9689000002)
- 1 x IDE flat cable 44p/44p/40p (p/n: 1701440504)
- 1 x Keyboard/ PS2 Mouse cable (p/n:1700060202)
- 1 x Second serial port cable (p/n:1701140201)
- 1 x Parallel port cable (p/n:1700260250)
- 1 x Audio cable (p/n:1703100152)
- 1 x USB cable (p/n:1703100121)
- 1 x Startup manual
- 1 x Utility CD

## Ordering Information

### Standard

- **PCM-9373F-J0A1** VIA Eden 3.5" SBC w/ VIA Eden 400 MHz CPU, VGA/LCD, LVDS, Ethernet, Audio and SSD
- **PCM-9373F-M0A1** Same as PCM-9373F-J0A1, but with Eden 667 MHz CPU
- **PCM-9373F-S1A1** Same as PCM-9373F-J0A1, but with C3-LP 1 GHz CPU

### Optional Accessories

- **1703200201** ATX power control cable
- **PCM-232-00A1** TV-out module for PCM-9373