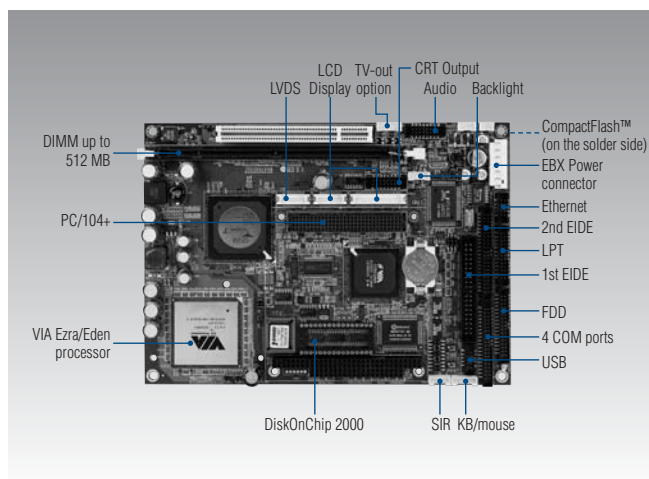


PCM-9575

Low Power VIA Eden SBC with CPU, Audio, VGA/LCD and Ethernet



Features

- Embedded low power VIA Ezra 800 MHz or Eden 400/667 MHz processor
- Fanless, 0 ~ 60° C operation (PCM-9575F-J0A1 & PCM-9575F-M0A1)
- Applied EBX form factor standard and supports PC/104-Plus bus
- Supports Wake-on-LAN, Wake-on-Modem
- Supports LCD backlight turn-off function
- 100/133 MHz FSB and 4x AGP graphics for high performance applications



Specifications

- **CPU** Embedded VIA low power Eden/Ezra processor, on-die 128KB L1 cache memory, Ezra-800 (PCM-9575F-Q0A1), Eden-400 (PCM-9575F-J0A1) Eden-667 (PCM-9575F-M0A1)
- **System Memory** SDRAM 168-pin DIMM x 1, Max: 512 MB PC133 DIMM for all models, optional PC100 DIMM for PCM-9575-J0A1
- **2nd Cache Memory** 64 KB on the Eden/Ezra processor
- **System Chipset** VIA PN133T (VT8606, VT82C686B), 133 MHz FSB
- **BIOS** AWARD 256 KB Flash BIOS
- **SSD** CompactFlash™ card Type I/II and DiskOnChip®
- **Watchdog Timer** 1 - 62 sec, 62 level timer intervals, system reset or IRQ11
- **Expansion Interface** PC/104-Plus (ISA & PCI) and PCI slot
- **Battery** Lithium 3 V/196 mAh
- **I/O**
 - **MIO** 2 x EIDE (Ultra DMA100), 1 x FDD, 1 x K/B, 1 x Mouse, 1 x RS-232/422/485, 3 x RS-232, 1 x LPT
 - **IrDA** 115 Kbps, IrDA 1.1 compliant
 - **Audio** VIA 82C686 support AC'97 2.0 compliant, Mic-in, Line-in, CD Audio-in, Line-out, Speaker-out
 - **USB** 2 USB ports, Optional 4 USB ports, USB 1.1 compliant
- **Ethernet**
 - **Chipset** RealTek RTL8139C
 - **Interface** IEEE 802.3u 100BASE-T Fast Ethernet compatible Built-in boot ROM in Flash BIOS

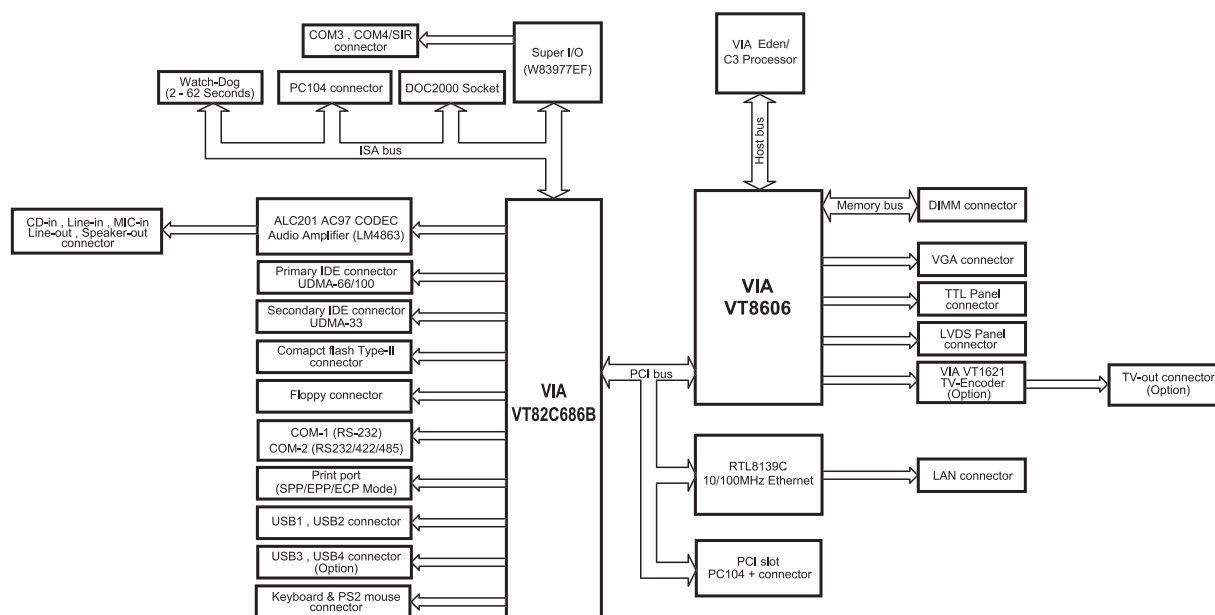
Display

- **Chipset** VIA 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** 4X 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 (option)** Supports both NTSC/PAL, S-video and Composite Video

Mechanical and Environmental

- **Dimension (L x W)** 203 X 146 mm (8" x 5.75")
- **Power supply Voltage** +5 V $\pm$ 5%
Max. : 4.5 A @ +5 V
Typical: 2.88 A @ +5 V (with 256 MB DRAM, Eden 400 MHz CPU)
3.4 A @ +5 V (with 256 MB DRAM, Ezra 800 MHz CPU)
- **Operating temperature** 0 ~ 60° C (32~140° F)
- **Operating Humidity** 0% ~ 90% Relative Humidity, non condensing
- **Weight** 0.85 kg (weight of total package)

Board Diagram



1
System on Module Solutions

2
Single Board Computers and Accessories

3
PC/104 Modules

4
Slot CPU Cards and Accessories

5
AIMB/POS Control Boards

6
Internet Security Platforms

7
Embedded Software

8
Appx

Packing List

- 1 PCM-9575 SBC
- 1 Mini Jumper pack [count.: 10 pcs] (p/n: 9689000002)
- Startup manual
- Utility CD
- EBX 7P-4P power cable (p/n: 1703080101)

Ordering Information

Standard

- PCM-9575F-M0A2** EBX Eden 667, CPU, VGA/LCD, LVDS, Ethernet Audio and SSD
- PCM-9575F-J0A2** Same as PCM-9575-J0A2, but with Eden 400MHz CPU

Optional

- PCM-10586-5A00** Wiring kit for PCM-9575
- 1703100260** USB cable for PCM-9572F/9576F/9550F/9575
- 1703100121** USB cable for PCM-9570/9550/9576/9575 to meet MBPC-300 chassis
- PCM-200-00A2** PC/104-Plus to PCI adapter
- CF-HDD-ADP** CompactFlash™ 50-pin to IDE 44-pin adapter
- 1703070101** ATX power control cable
- 1703050306** TV-out cable 200201 ATX power control cable