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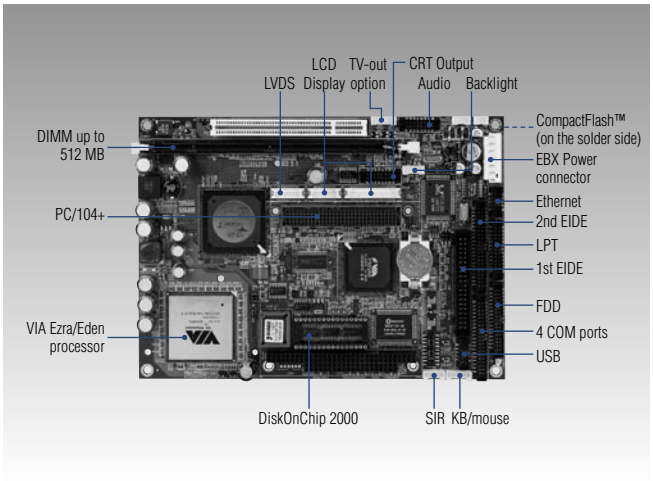
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PCM-9575

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



Features

- Embedded low power VIA Eden 400/667 MHz processor or VIA C3-LP 1G CPU with fan
- Fanless, 0 ~ 60° C operation (Eden 400/ Eden 667)
- 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, Eden-400 / Eden-667 / C3-LP 1G
- **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** — 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

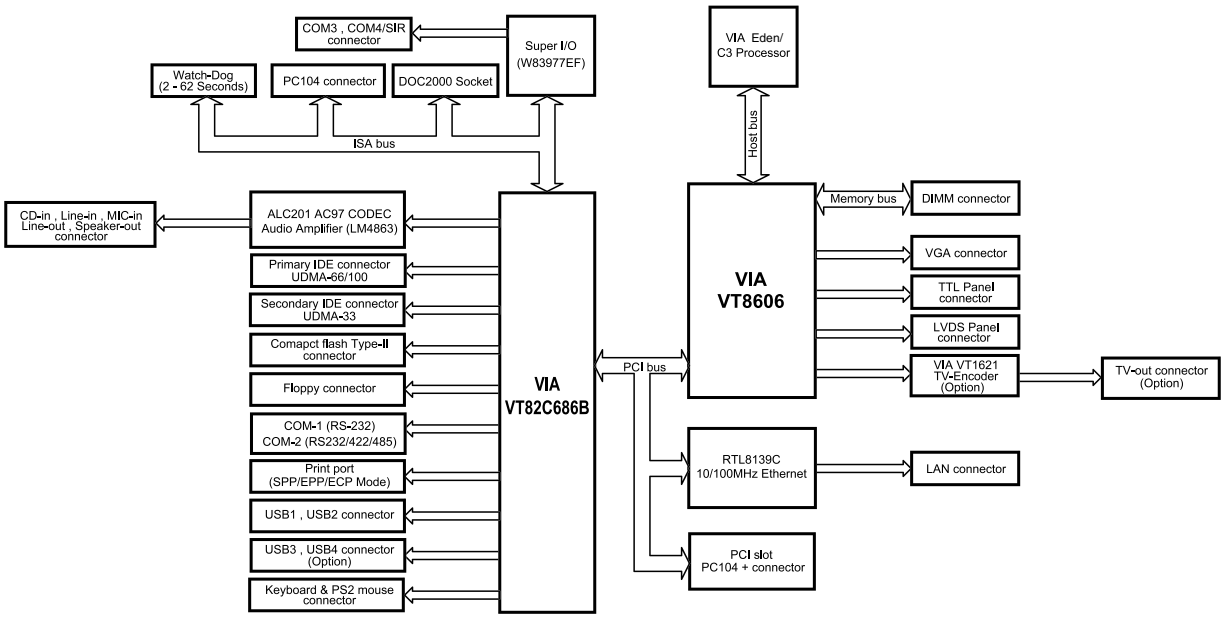
- **Chipset** — VIA Twister chip with Integrated S3 Savage4 2D/3D/Video Accelerator
- **Memory Size** — 8/16/ 32 MB frame buffer using system memory
- **Resolution** — CRT Mode: 1280 x 1024@16 bpp (60 Hz), 1024 x 768@16 bpp (85 Hz) LCD/Simultaneous Mode: 1280 x 1024@16 bpp (60 Hz), 1024 x 768@16 bpp (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 ± 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)

Advantech may make changes to specifications and product descriptions at any time, without notice.
Last Updated: Oct-01-2004 2010957503

Board Diagram



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-J0A2** EBX Eden 400 CPU/VGA/LCD/ LVDS/Ethernet/Audio/ SSD
- **PCM-9575F-M0A2** EBX Eden 667/CPU/VGA/LCD/LVDS Ethernet Audio/ SSD
- **PCM-9575F-S1A2** EBX C3-LP 1G/CPU/VGA/LCD/LVDS/Ethernet Audio/ SSD

Optional

- **PCM-10586-5A00** Wiring kit for PCM-9575
- **PCM-200-00A2** PC/104-Plus to PCI adapter
- **1703070101** ATX power control cable
- **1703050306** TV-out cable 200201 ATX power control cable

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