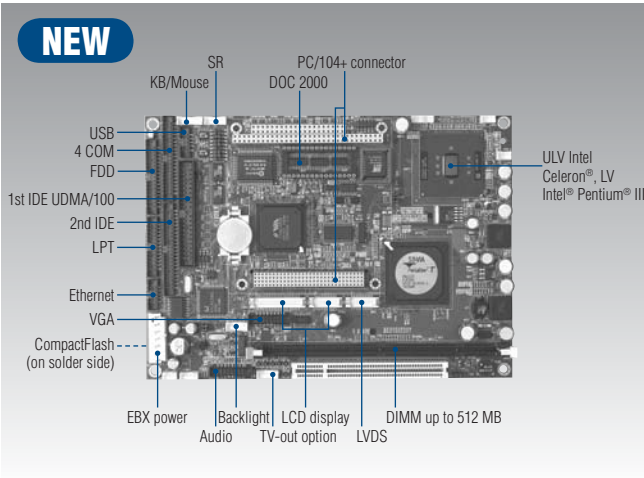


PCM-9579

ULV Intel® Celeron®, LV Intel® Pentium® III SBC with CPU, Audio, VGA/LCD and Ethernet

- 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



Features

- ULV Intel® Celeron®, LV Intel® Pentium® III SBC with CPU, Audio, VGA/LCD and Ethernet
- Fanless, 0 ~ 60° C operation (PCM-9579F-J0A1 or PCM-9579F-M0A1)
- Applied EBX form factor standard, also supports PC/104-Plus
- 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 Ultra Low Voltage Intel® Celeron® or Low Voltage Pentium® III Processor, on-die 32KB L1 cache memory ULV Celeron®-400 (PCM-9579F-J0A1), ULV Celeron®-650 (PCM-9579F-M0A1), LV Pentium® III -933 (PCM-9579F-R0A1)
- **System Memory** SDRAM 168-pin PC/100 or 133 DIMM x 1, Max: 512 MB
- **2nd Cache Memory** 256KB/512KB on ULV Celeron®/ LV/Pentium® III processor
- **System Chipset** VIA PN133T (VT8606, VT82C686B), 133 MHz FSB
- **BIOS** AWARD 256 KB Flash BIOS
- **SSD** CompactFlash™ card Type I/II and DiskOnChip/Æ
- **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 115 Kbps, IrDA 1.1 compliant
- **IrDA**
- **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 RTL8139DL
- **Ethernet Interface** IEEE 802.3u 100 BASE-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 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** Supports both NTSC/PAL, S-video and Composite Video

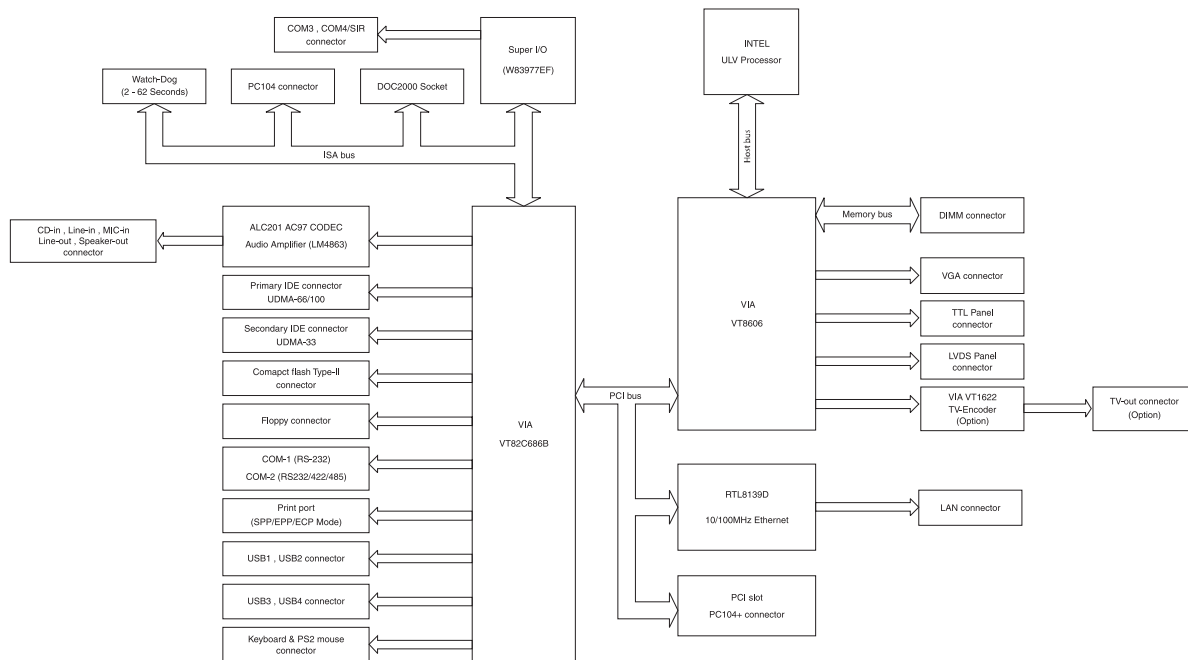
Mechanical and Environment

- **Dimensions (LxW)** 203 X 146 mm (8" x 5.75")
- **Power Supply Voltage** +5V+/-5%
- **Power Requirements** Max.: 4.5 A @ +5 V (with 256 MB, ULV Celeron®-650) Typical: 2.99 A @ +5 V (with 256 MB DRAM, ULV Celeron®-400 CPU) 3.29 A @ +5 V (with 256 MB DRAM, ULV Celeron®-650 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



Packing List

- 1 PCM-9579 SBC
- 1 Mini jumper pack: 10 pcs (p/n: 9689000002)
- Startup manual
- Utility CD
- EBX 7P-4P power cable (p/n: 1703080101)

Ordering Information

Standard

- **PCM-9579F-J0A1** EBX ULV Celeron® SBC W/ 400 MHz CPU, VGA/LCD, LVDS, Ethernet, Audio, SDD
- **PCM-9579F-M0A1** Same as PCM-9579F-J0A1, but with ULV Celeron®-650 CPU
- **PCM-9579F-R0A1** Same as PCM-9579F-J0A1, but with LV Pentium® III-933 CPU

Optional

- **PCM-10586-5A00** Wiring kit for PCM-9575/9577/9579
- **1703100260** USB cable for PCM-9572F/9576F/9550F/9575
- **1703100121** USB cable for PCM-9570/9550/9576/9575 to meet MBPC-300 chassis
- **CF-HDD-ADP** CompactFlash® 50-pin to IDE 44-pin adapter
- **1703070101** ATX power control cable
- **1703050306** TV-out cable