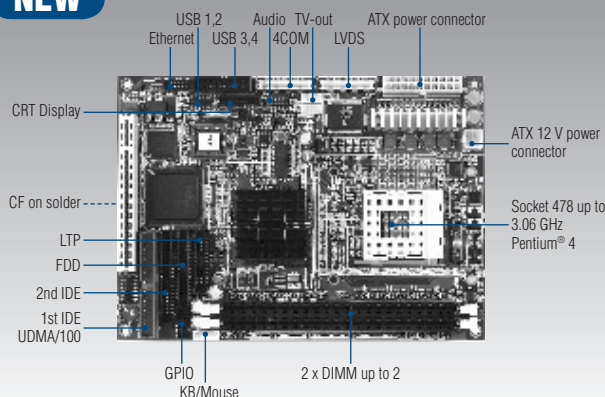


PCM-9580

Socket 478 Intel® Pentium® 4 SBC
w/Gigabit LAN, USB 2.0, VGA/LVDS and 4 COM

NEW



Specifications

- **CPU** Socket 478 for Intel® Celeron® / Pentium® 4 (up to Pentium 3.06 GHz)
- **System Memory** Two 184-pin DIMM sockets, support Non-ECC Double Data Rate (DDR) 128 MB to 2 GB, accepts 128/256/512/1000 MB DDR200/266/333 DRAM
- **2nd Cache Memory** 256/512 KB on Celeron/Pentium 4 Processor
- **System Chipset** Intel 845GV (845GV GMCH+ 82801 ICH4) 400/533 MHz FSB
- **BIOS** AWARD 512 KB Flash BIOS
- **SSD** CompactFlash™ card Type I/II
- **Watchdog Timer** 255 level timer intervals by second or minute
- **Expansion Interface** 1 PCI 2.2 with 32-bit/33 Mhz 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, 3 x RS232, 1 x RS-232/422/485, 1 x LPT
- **IrDA** N/A
- **Audio** ICH4 support AC'97 2.0 compliant, Optional PCM-231A support Line-in, Line-out, MIC CD Audio in, Line out, Speaker out
- **USB** 4 USB 1.1/2.0 host port
4 USB 2.0 host ports, support embedded USB Type I Flash memory, shared with USB port 3 and port4
- **GPIO** 4-bit Input/ 4-bit Output

Ethernet

- **Chipset** Intel® 82551ER [Intel® 82551QM optional] (PCM-9580F)
Intel® 82540EM (PCM-9580FG)
- **Interface** IEEE 802.3u 100BASE-T Fast Ethernet compatible (PCM-9580F)
IEEE 802.3z/ab 1000 BASE-T Gigabit Ethernet compatible (PCM-9580FG)

Features

- Socket 478 up to 3.06 Ghz Intel® Pentium® 4 (0 ~ 60°C)
- 400/533 MHz FSB
- Supports Gigabit Ethernet (PCM-9580FG)
- Supports Embedded USB, 4 USB 2.0 ports
- Supports 2-channel 48-bit LVDS interface

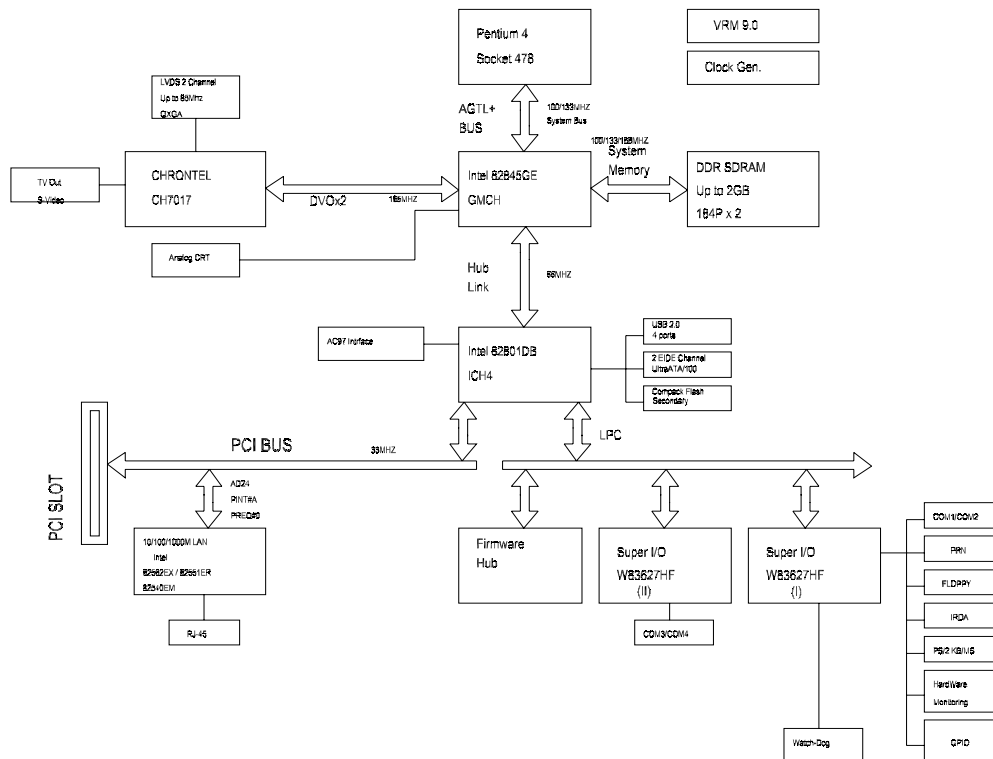
Display

- **Chipset** Intel 845GV +Chrontel CH7017
- **Memory Size** 8 MB up to 64 MB frame buffer using system memory
- **Resolution** CRT Mode:Max. 1600x1200x32 bpp at 85 Hz
- **LCD Interface** 2-Channel (2 x 24-bit) LVDS interface
- **TV-out** Supports both NTSC/PAL, S-video or Composite Video, optional by cable

Mechanical and Environmental

- **Dimensions (L x W)** 203 x 146 mm (8" x 5.75")
- **Power supply Voltage** +5 V ± 5%, +12 V ± 5%, +3.3 V ± 5%
Typical : +12V_CPU @ 1.95A, +5V@0.37A, +3.3V@3.2A, +12V@0.1A
Max: +12V_CPU@6.15A, +5V@ 0.41A, +3.3V@3.46A, +12V@0A. (In HCT)
+12V_CPU@5.62A, +5V@0.41A, +3.3V@4.28A, +12V@0.11A (QAPLus)
(With 1GB DDR DRAM, Pentium 4 3.06GHz)
- **Operating temperature** 0 ~ 60° C (32 ~ 140° F) for Pentium 4 up to 3.06 GHz
- **Operating Humidity** 0% ~ 90% Relative Humidity, noncondensing
- **Weight** 0.85 kg (weight of total package)

Board Diagram



Packing List

- 1 PCM-9580 SBC
- 1 Mini Jumper pack [conts.: 10pcs] (p/n: 9689000002)
- Startup manual
- Utility CD

Ordering Information

Standard

- **PCM-9580F-00A2** Socket 478 SBC W/ 100BASE-T LAN, VGA, LVDS, USB 2.0
- **PCM-9580FG-00A2** Same as PCM-9580F-00A1, but with Gigabit Ethernet

Optional

- **PCM-10586-6000** Wiring Kit for PCM-9580F
- **PCM-10586-6G00** Wiring Kit for PCM-9580FG (Gigabit LAN)
- **PCM-231A-00A1** Audio out module
- **1703100121** USB cable 12 cm for MBPC-300 chassis
- **1700180170** USB cable 17 cm 2CH