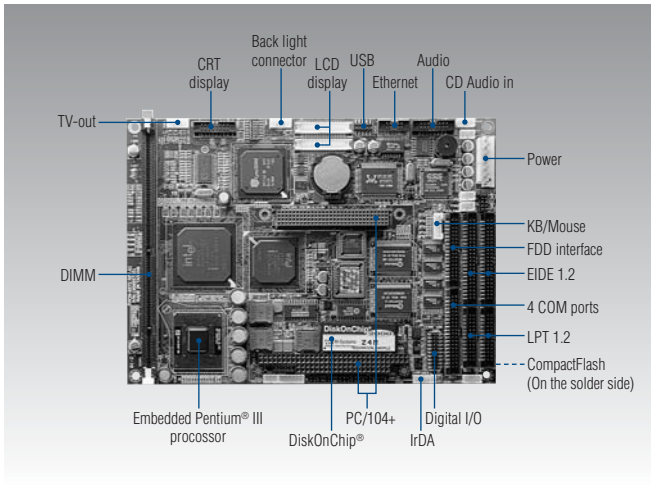
PCM-9572

Low Power Intel® Pentium® III SBC with CPU, Audio, VGA/LCD and Ethernet



Features

- Embedded Intel® low power Pentium® III/Celeron® processor
- Fanless, 0 ~ 60° C operation
- EBX form factor
- Supports Wake-on-lan, Wake-on-modem
- Supports LCD backlight turn-off function
- 4 COM ports with power and DIO for POS market
- Dual 18/24-bit LCD displays, or one 48-bit TFT

Specifications

- **CPU** — Embedded Intel® low power Celeron®-400/ Pentium® III-500 CPU
- **System Memory** — SDRAM 168-pin DIMM x 1, Max. 256 MB
- **2nd Cache Memory** — 128 KB on the Celeron® processor, 256 KB on Pentium® III processor
- **System Chipset** — Intel® 440BX AGPset, 100 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)
- **Battery** — Lithium 3 V/196 mAH

I/O

- **MIO** — 2 x EIDE (Ultra DMA33), 1 x FDD, 1 x K/B, 1 x Mouse, 1 x RS- 232/422/485, 3 x RS-232, 2 x LPT
- **IrDA** — 115 Kbps, IrDA 1.1 compliant
- **Digital I/O** — ESS ES1989 supports AC'97 2.0 compliant, Mic-in, Line-in, CD Audio-in, Line-out, Speaker-out
- **USB** — 2 USB ports, USB 1.1 compliant
- **Audio** — 8 TTL DIO or 6 TTL DIO & 2 Isolated DIO

Ethernet

- **Chipset** — RealTek RTL8139C, optional Intel® 82559 (ER)
- **Interface** — IEEE 802.3u 100BASE-T Fast Ethernet compatible Built-in boot ROM in Flash BIOS

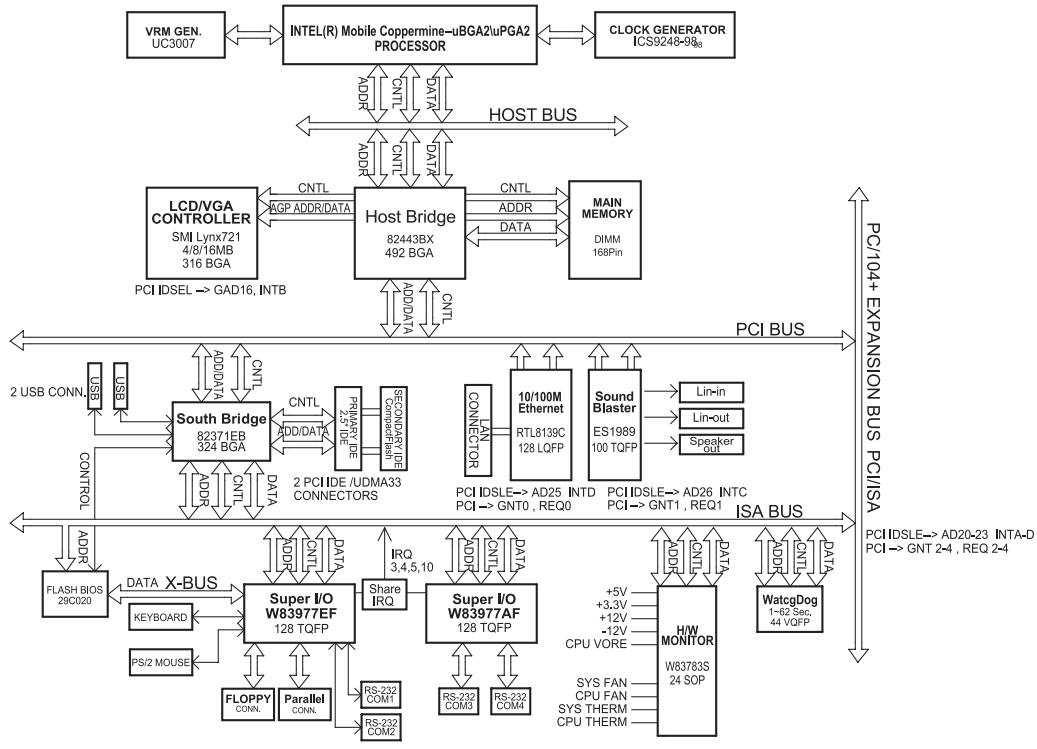
Display

- **Chipset** — 2x AGP SMI Lynx 721 chip, 3D Engine
- **Memory Size** — 4 MB on Lynx 721 chip
- **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)
  Dual Display mode: Supports 18-bt/24-bit Dual TFT LCD under Windows® 98, Windows® ME, Windows® 2000 D1 up to 1024 x 768@16 bpp D2 up to 1024 x 768@ 24bpp
- **LCD Interface** — Support for 9, 12, 18, 24, 36, 48-bit TFT and 16 or 24-bit displays
  DSTN panels up to SXGA resolution
- **TV-out** — Supports both NTSC/PAL, S-video and Composite Video

Mechanical and Environmental

- **Dimension (L x W)** — EBX form factor, 203 x 146 mm (8" x 5.75")
- **Power supply Voltage** — +5 V ± 5%
  Max. : 4.5 A @ +5 V
  Typical: 3.8 A @ +5 V
  (with 64 MB DRAM, Intel Pentium® III-500)
- **Operating temperature** — 0 ~ 60° C (32~140° F)
- **Operating Humidity** — 0% ~ 90% Relative Humidity, non condensing
- **Weight** — 0.57 kg (weight of total package)

Board Diagram



Packing List

- **1 PCM-9572 SBC**
- **1 Mini Jumper pack [count.: 10 pcs]** (p/n: 9689000002)
- **Start up manual**
- **Utility CD**
- **EBX 7P-4P power cable** (p/n: 1703080101)

Ordering Information

Standard

- **PCM-9572F-L4A1** PIII-500MHZ CPU, Audio, 4MB VGA/LCD, Ethernet and SSD
- **PCM-9572F-J4A1** Celeron® -400 CPU, Audio, 4MB VGA/LCD, Ethernet and SSD

Optional

- **PCM-10586-5V00** Wiring kit for PCM-9572F
- **1703100260** USB cable for PCM-9570/9572F/9574/9576F/9550F/9575
- **1703100121** USB cable for PCM-9570/9550/9576/9575 to meet MBPC-300 chassis
- **PCM-200-00A2** PC/104+ to PCI adapter
- **1703070101** ATX power control cable