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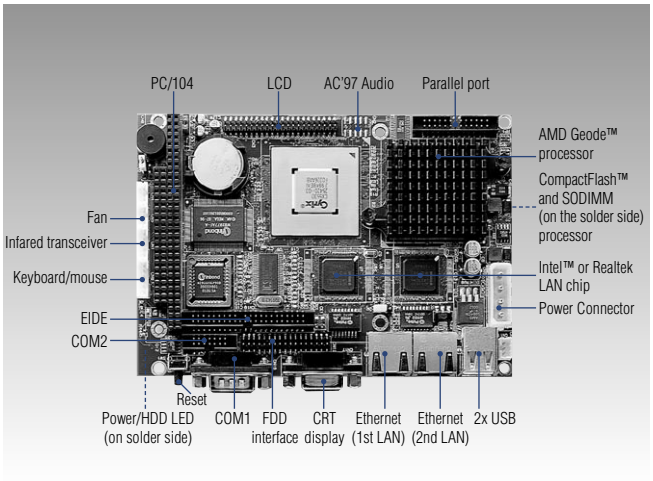
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Find the *Advantech PCM-5823* at our website: ***Click HERE***

PCM-5823

AMD Geode™ SBC with CPU, Audio, VGA/LCD and Dual LAN



Features

- Compact and powerful at less than 8 W power consumption
- Dual 100Base-T Fast Ethernet
- 18-bit TFT LCD
- Optional audio module

CE FCC

Specifications

- **CPU** Onboard AMD Geode processor
  GX1-300 MHz processor (PCM-5823-G0A2)
  GX1-233 MHz processor (PCM-5823-E0A2)
- **2nd Cache Memory**
- **System Chipset** AMD CX 5530
- **BIOS** AWARD 256 kbit Flash BIOS
- **System Memory** SDRAM SODIMM x 1, Max. 256 MB
- **Power Management**
- **SSD** Supports CompactFlash® card
- **WatchDog Timer** Software enable/disable 1.6 sec.
- **Expansion Interface** PC/104
- **Battery** Lithium 3 V/196 mAH

I/O

- **I/O Interface** 1 x EIDE (Ultra DMA33), 1 x FDD, 1 x K/B, 1 x Mouse, 1 x RS-232/422/485, 1 x RS-232, 1 x LPT
- **USB** 2 USB ports, USB 1.0 compliant
- **Audio** AMD CX 5530, AC'97 2.0 compliant connector (optional Audio Module)
- **IrDA** 115 kbps, IrDA 1.0 compliant
- **GPIO** N/A

Ethernet

- **Chipset** RealTek 8139 (PCM-5823-E0A1) or Intel® 82559ER (PCM-5823-G0A1), optional Intel 82559
- **Speed** 10/100 Mbps
- **Interface** RJ45 connector
- **Standard** Two IEEE 802.3u 100Base-T Fast Ethernet, Built-in Boot ROM in Flash BIOS

Display

- **Chipset** AMD CX 5530
- **Memory Size** 1-4 MB UMA share memory
- **Resolution** up to 1024 x 768 @ 24 bpp non-interlaced CRT and 1024 x 768 @ 18 bpp TFT
  LCD display (supports 3.3 V LCD)
- **LCD Interface** 18-bit TTL for TFT LCD only
- **TV-Out** N/A
- **Dual Independent Display** N/A

Mechanical and Environmental

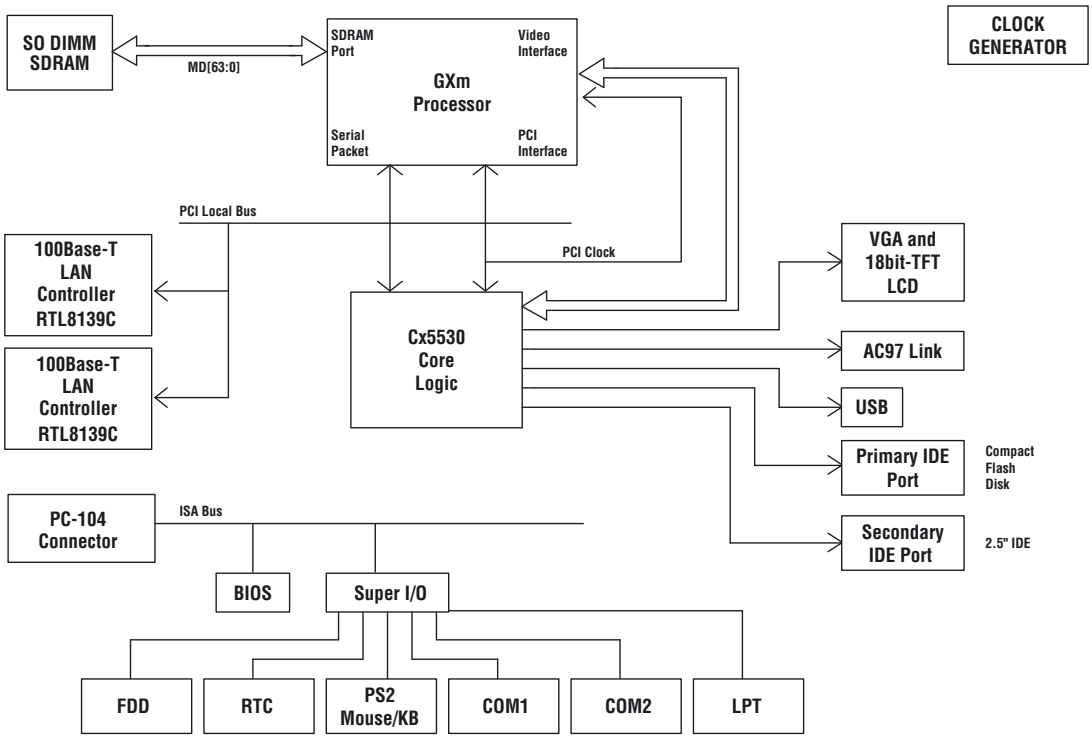
- **Dimension (L x W)** 145 mm x 102 mm (5.7" x 4")
- **Weight** 0.75 kg (weight of total package)
- **Operating Temperature** 0 ~ 60° C (32 ~ 140° F)
- **Operating Humidity** 0% ~ 90% Relative Humidity, noncondensing

Power

- **Power Supply Voltage** +5 V ± 5%,
- **Power Consumption** Max. : 4 A @ +5 V
  Typical: 1.5 A @ +5 V
  (with GX1-300 CPU & 64 MB DRAM)

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Board Diagram



Packing List

- **1 x PCM-5823 SBC**
- **1 x Mini Jumper pack [count.: 10 pcs]** (p/n: 9689000002)
- **1 x Keyboard & mouse cable** (p/n: 1700000190)
- **1 x Cable for LPT port** (p/n: 1700260250)
- **1 x COM2 cable** (p/n: 1701140201)
- **1 x FDD cable** (p/n: 1701340603)
- **1 x HDD cable** (p/n: 1701440351)
- **1 x Start up manual**
- **1 x Utility CD**

Ordering Information

Standard

- **PCM-5823-E0A2** AMD Geode SBC with GX1-233 processor, VGA/LCD and Dual Ethernet (RTL 8139)
- **PCM-5823-G0A2** Same as PCM-5823-E0A2, but with GX1-300 processor and Intel 82559ER LAN chip

Optional Accessories

- **MBPC-200-5823** MicroBox 3.5" Biscuit SBC chassis for PCM-5823
- **PS-50A** 50 W AC power supply for MBPC-200
- **PCM-231A-00A1** Audio module w/ line-in, line-out, mic

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