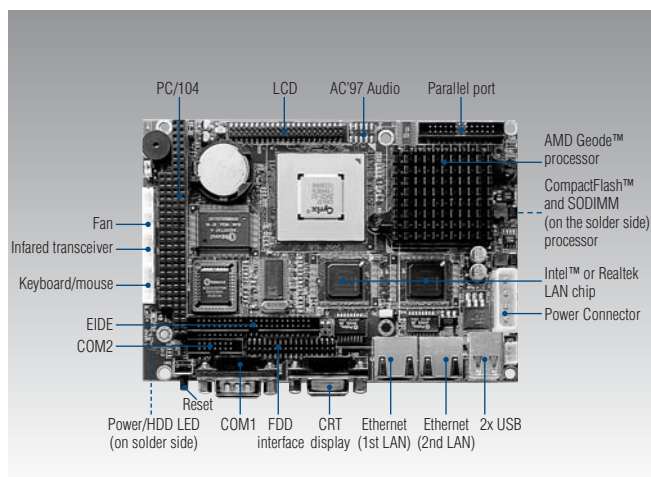


PCM-5823

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



Features

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

Specifications

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

I/O

- **MIO** 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
- **IrDA** 115 Kbps, IrDA 1.0 compliant
- **Audio** AMD CX 5530, AC'97 2.0 compliant connector (optional Audio Module)
- **USB** 2 USB ports, USB 1.0 compliant

Dual Ethernet

- **Chipset** RealTek 8139 (PCM-5823-E0A1) or Intel® 82559ER (PCM-5823-G0A1), optional Intel 82559
- **Ethernet Interface** 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



Mechanical and Environmental

- **Dimensions (L x W)** 145 mm x 102 mm (5.7" x 4")
- **Power supply Voltage** +5 V ± 5%,
Max. : 4 A @ +5 V
Typical: 1.5 A @ +5 V
(with GX1-300 CPU & 64 MB DRAM)
- **Operating temperature** 0 ~ 60° C (32~140° F)
- **Operating Humidity** 0% ~ 90% Relative Humidity, noncondensing
- **Weight** 0.75 kg (weight of total package)

Packing List

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

- **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