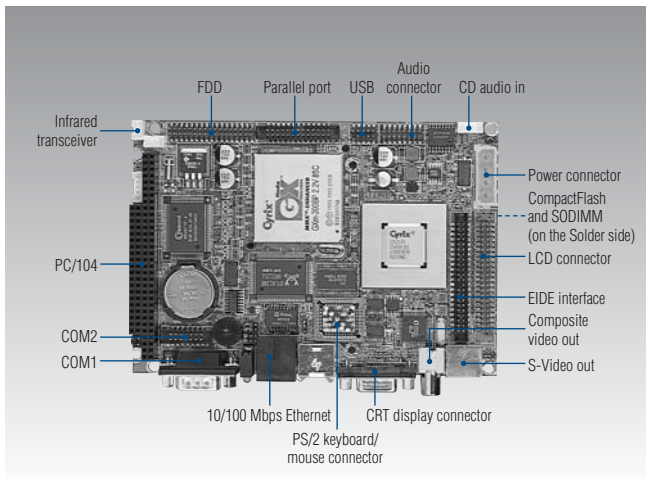


# PCM-5822

AMD Geode SBC with CPU, TV-out, Audio, VGA/LCD and Ethernet



## Specifications

- **CPU** Onboard AMD Geode processor, GX1-300 MHz processor (PCM-5822-G0B1), GXLV-200 MHz processor (PCM-5822-D0A1)
  - **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. Optional 65 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
  - **USB** 2 USB ports, USB 1.0 compliant
- Ethernet**
- **Chipset** RealTek 8139C
  - **Interface** IEEE 802.3u 100Base-T Fast Ethernet compatible  
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** CHRONTEL CH 7003B supports both NTSC and PAL, TV format provides composite, S-Video, and SCART (optional) output via RCA and S-Video connectors

## Features

- Compact and powerful, less than 8 W power consumption
- 100Base-T Fast Ethernet
- 18-bit TFT LCD
- AC'97 V 2.0 Compliance
- TV-out

## 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-5822 SBC
- 1 Mini Jumper pack (count.: 10 pcs) (p/n: 9689000002)
- 1 Keyboard & mouse cable 6P-6P-6P (p/n:1700060202)
- 1 Audio cable for PCM-5820 (p/n:1700160160)
- 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)
- 1 USB cable (p/n:1703100260)
- Startup Manual
- Utility CD

## Ordering Information

### Standard

- **PCM-5822-D0A1** AMD Geode SBC with GXLV-200 CPU, Audio, VGA/LCD, TV-out and Ethernet
- **PCM-5822-G0B1** AMD Geode SBC with GX1-300 CPU, Audio, VGA/LCD, TV- out and Ethernet

### Optional

- **MBPC-200-5822** MicroBox 3.5" Biscuit SBC chassis for PCM-5822
- **PS-50A** 50 W AC power supply for MBPC-200

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