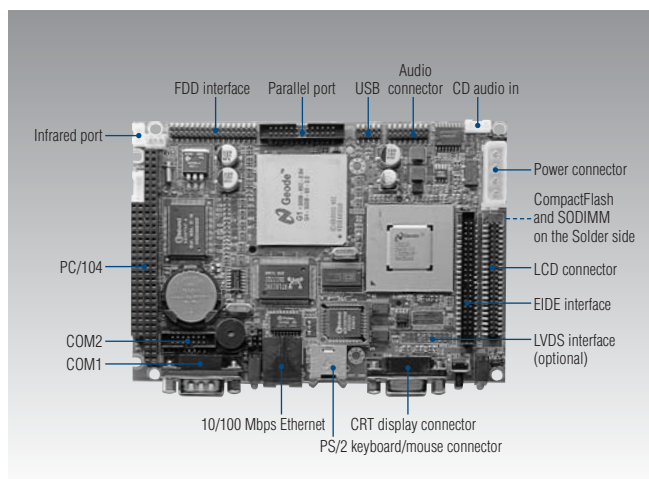


PCM-5820

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



Specifications

- **CPU**
 - Onboard AMD Geode processor
 - GX1-300 MHz processor (PCM-5820-G0B2)
 - GX1-233 MHz processor (PCM-5820-E0B2)
 - **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

Features

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

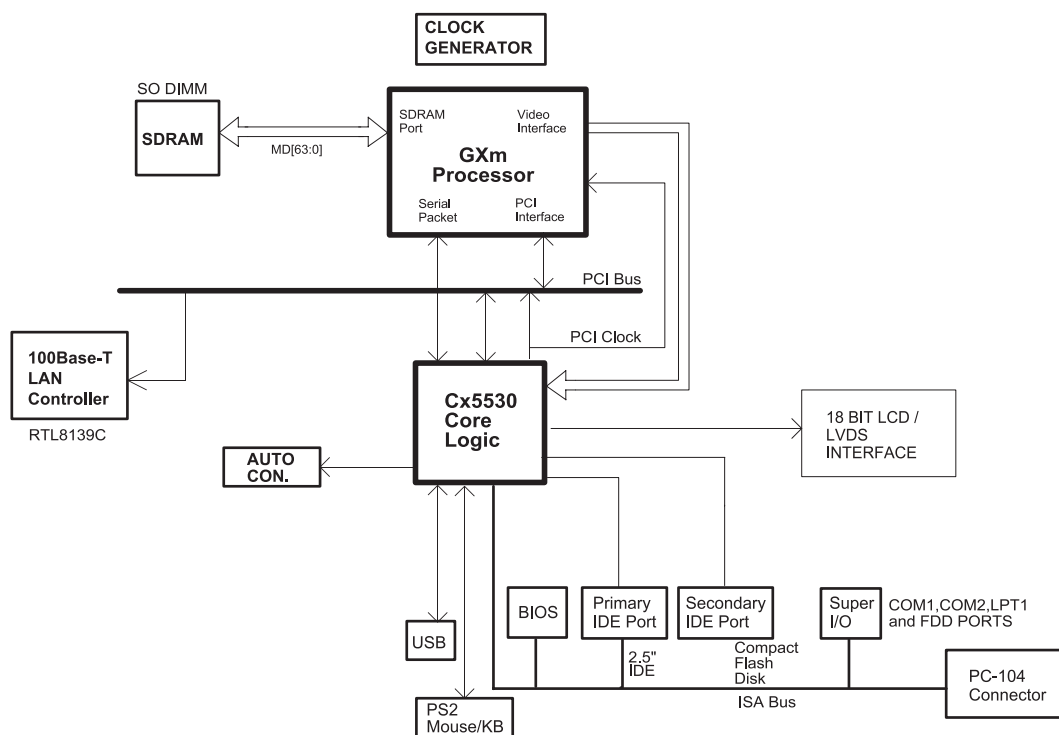
Display

- **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
- **LVDS**
 - 18 bit ANSI EIA/TIA-644, over 10 meters transmission (PCM-5820-ELB1, PCM-5820-GLB1 only)

Mechanical and Environmental

- **Dimensions (L x W)**
 - 145 x 102 mm (5.7" x 4")
- **Power supply Voltage**
 - +5 V $\pm$ 5%,
 - Max. : 4 A @ +5 V
 - Typical: 1.5 A @ +5 V (for PCM-5820-G0B2)
 - 1.3 A @ +5 V (for PCM-5820-E0B2)
- **Operating temperature**
 - 0 ~ 60° C (32 ~ 140° F)
- **Operating Humidity**
 - 0% ~ 90% Relative Humidity, noncondensing
- **Weight**
 - 0.75 kg (weight of total package)

Board Diagram



Packing List

- 1 PCM-5820 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-5820-E0B2** AMD Geode SBC with GX1-233 processor, Audio, VGA/LCD and Ethernet
- **PCM-5820L-E0B2** Same as PCM-5820-E0B2, but without Ethernet
- **PCM-5820-G0B2** Same as PCM-5820-E0B2, but with GX1-300 CPU
- **PCM-5820-ELB2** Same as PCM-5820-E0B2, but with LVDS
- **PCM-5820-GLB2** Same as PCM-5820-E0B2, but with GX1-300 CPU and LVDS
- **PCM-5820CE-000** PCM-5820-G0B2 with Windows® CE 3.0 on 16 MB CFC

Optional

- **MBPC-200-5820** MicroBox 3.5" Biscuit SBC chassis for PCM-5820
- **MBPC-200-5820L** MicroBox 3.5" Biscuit SBC chassis for PCM-5820L
- **PS-50A** 50 W AC power supply for MBPC-200