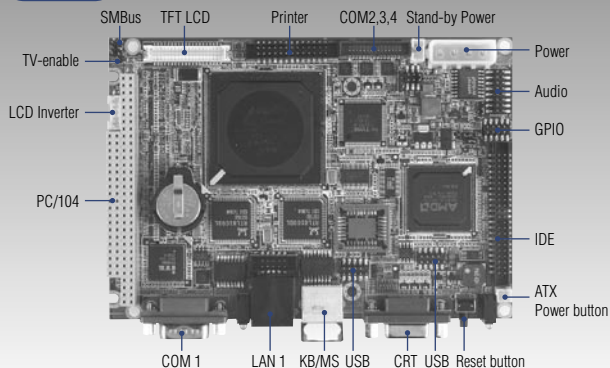


PCM-9375

3.5" SBC w/AMD LX800,
VGA, LVDS, LCD

NEW



Specifications

General

- **CPU** AMD Geode™ LX800 processor, up to 500 MHz
- **2nd Cache Memory** 128 KB on the processor
- **System Chipset** AMD Geode LX800
- **BIOS** AWARD® 2 Mbit Flash BIOS
- **System Memory** 1 x SODIMM socket, support Double Data Rate (DDR) SDRAM, Max. 512 MB, accept 128/256/512 MB, DDR333 SDRAM only
- **Power Management** APM 1.2, ACPI supported
- **SSD** Supports CompactFlash Card Type I (type II optional)
- **WatchDog Timer** 255 levels timer interval, setup by software.
- **Expansion Interface** PC/104
- **Battery** Lithium 3 V/196 mAh

I/O

- **I/O Interface** 1 x EIDE, 1 x K/B, 1 x Mouse, 1 x RS232/422/485, 3 x RS232, 1 x LPT
- **USB** 4 x USB ports, USB 2.0 compliant
- **Audio** Supports AC97 Audio stereo sound
- **GPIO** 8 bit general purpose Input / Output

Ethernet

- **Chipset** Realtek® RTL8100
Intel® 82551ER (optional)
- **Speed** 10/100 Mbps
- **Interface** 1 x RJ-45 connector, and 1 x internal box header
- **Standard** IEEE 802.3u (100 BASE-T) protocol compatible

Features

- AMD low power LX800 500MHz Processor
- Supports DDR memory
- 24-bit TFT LCD interface
- 18-bit LVDS LCD display (optional)
- Dual 100 Base-T Fast Ethernet
- Four USB 2.0 ports
- Four COM ports
- PC/104 expansion interface
- Coast line (external connector layout) same as PCM-5820

Display

- **Chipset** AMD Geode LX800
- **Memory Size** Optimized Shared Memory Architecture, supports 64 MB frame buffer using system memory.
- **Resolution** CRT resolution: up to 1920 x 1440 x 32 bpp at 85 Hz
1600 x 1200 x 32 bpp at 100 Hz
and up to 1024 x 768 x 32 bpp at 60 Hz for TFT LCD
- **LCD Interface** Supports up to 24-bit TFT LCD (TTL signal) (PCM-9375F)
- **LVDS Interface** Support 1 channel 18-bit LVDS interface (PCM-9375E)
- **TV-Out** N/A
- **Dual Simultaneous Display** CRT + LVD; CRT + LVDS

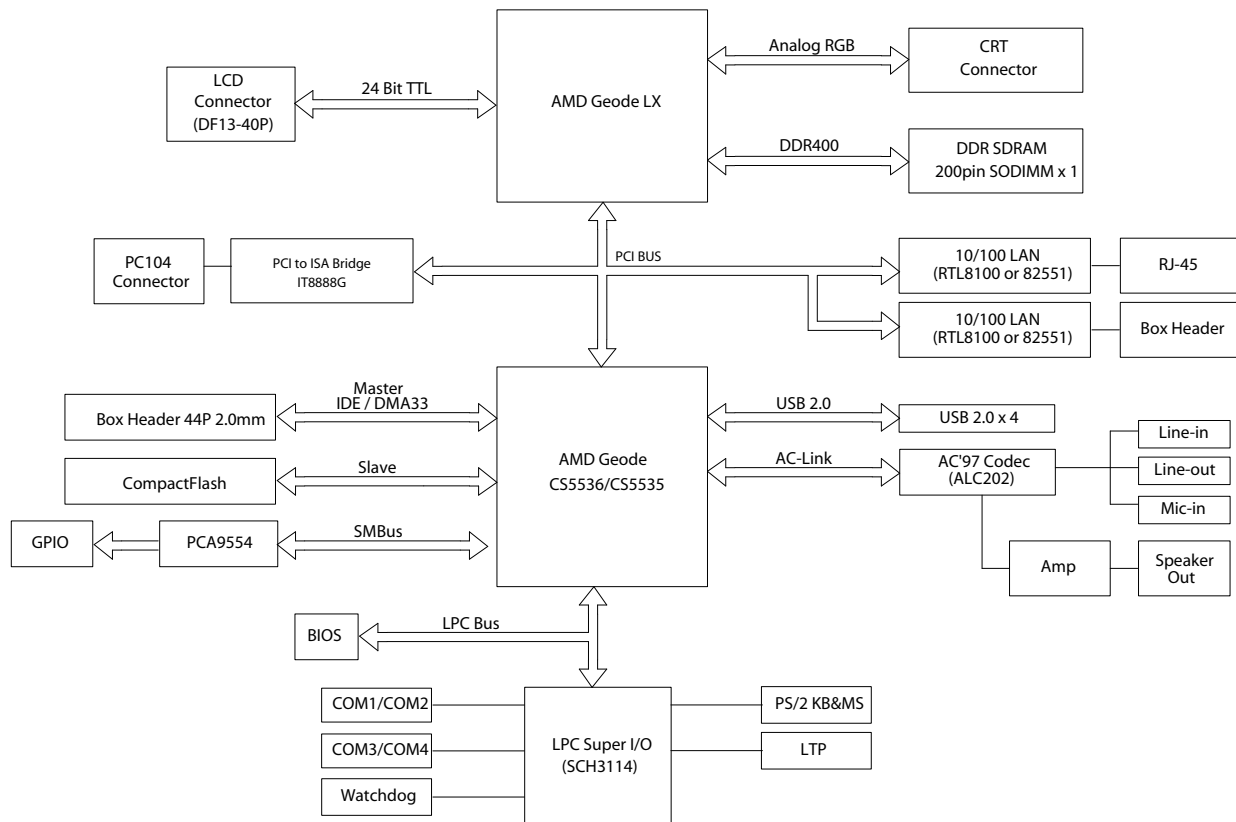
Mechanical and Environmental

- **Dimension (LxW)** 146 x 102 mm (5.7" x 4")
- **Weight** 0.85 kg (weight of total package)
- **Operation Temperature** 0 ~ 60° C (32 ~ 140° F)
- **Operating Humidity** 10% ~ 90% Relative Humidity, non condensing

Power

- **Power Supply Voltage** AT/ATX, +5 V $\pm 5\%$, +12V $\pm 5\%$, or supports single +5 V power only
- **Power Consumption** (Geode LX800, 256MB DDR333)
Max: +5 V @ 1.2 A, +12 V @ 0.23 A
Typical: +5 V @ 0.6 A, +12 V @ 0.03 A

Board Diagram



Packing List

- 1 x PCM-9375 SBC
- 1 x Mini Jumper Pack
- 1 x Startup Manual
- 1 x Utility CD
- 1 x IDE 44 pin
- 1 x Keyboard/Mouse Cable
- 1 x USB 2.0 Cable
- 1 x LAN Cable

(p/n: 9689000002)

(p/n: 1701440351)

(p/n: 1700060202)

(p/n: 1703100121)

(p/n: 1701100202)

Ordering Information

Standard

- **PCM-9375F-J0A1E** 3.5" SBC w/AMD LX800, VGA, TTL LCD LAN, USB
- **PCM-9375E-J0A1E** 3.5" SBC w/AMD LX800, VGA, LVDS, LAN, USB

Optional Accessories

- **PCM-205-00A1E** 18 bit TTL to 18bit LVDS module
- **PCM-3540T-00A1E** 24 bit TTD to 24bit LVDS module
- **1703040257** COM2 cable for RS-422/485
- **1703200201** ATX power control cable
- **1700001977** Parallel port cable
- **1700001971** COM 2/3/4 cable
- **1700160160** Audio cable