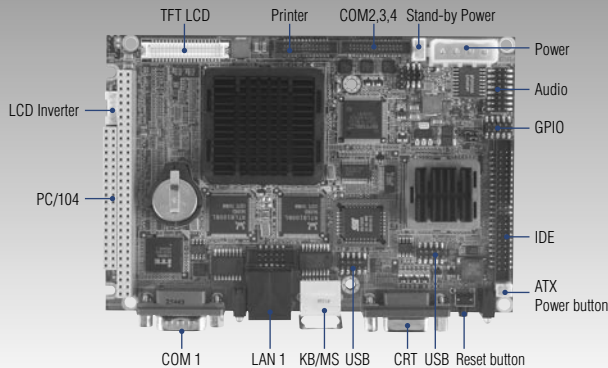


# PCM-9375

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

NEW



## 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

## 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® 4 Mbit Flash BIOS
- **System Memory** 1 x SODIMM socket, support Double Data Rate (DDR) SDRAM, DDR333/400 SDRAM only
- **Power Management** APM 1.2, ACPI supported
- **SSD** Supports CompactFlash Card Type I (Master channel)
- **WatchDog Timer** 255 levels timer interval, setup by software.
- **Expansion Interface** PC/104
- **Battery** Lithium 3 V/196 mA

### I/O

- **I/O Interface** 1 x EIDE (slave channel), 1x K/B, 1 x Mouse, 1 x RS232/422/485, 3 x RS-232, 1 x LPT, 1 x FDD (optional, share with LPT)
- **USB** 4 x USB ports, USB 2.0 compliant
- **Audio** On board AC97 Codec with Line-In, Line-Out, Speak-Out, MIC-In
- **GPIO** 8-bit general purpose Input / Output
- **SMBus** Optional

### Ethernet

- **Chipset** Realtek® RTL8100  
Intel® 82551QM (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

### 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 + LCD; CRT + LVDS

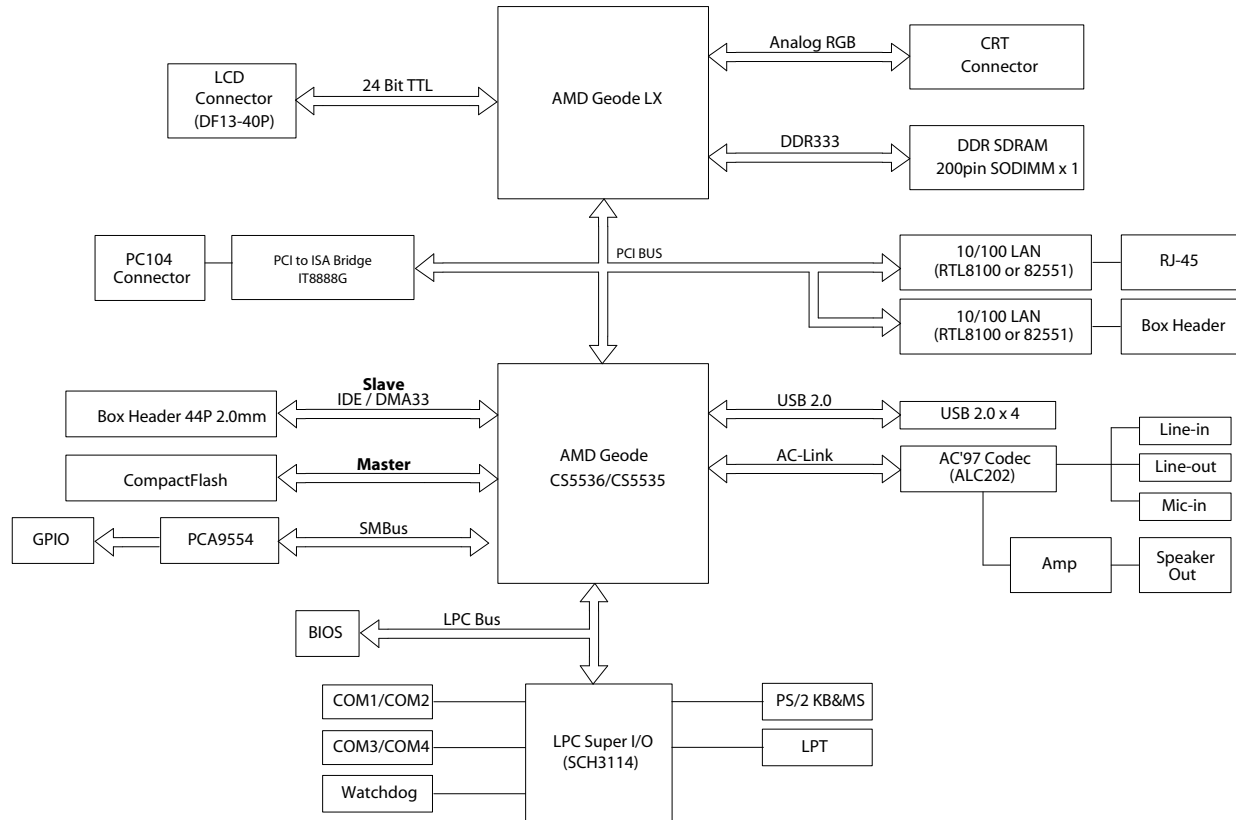
### Mechanical and Environmental

- **Dimension (L x W)** 146 x 102 mm (5.7" x 4")
- **Weight** 0.85 kg (weight of total package)
- **Operation Temperature** 0 ~ 60° C (32 ~ 140° F) (-20° C ~ 80° C optional)
- **Operating Humidity** 10% ~ 90% Relative Humidity, non condensing

### Power

- **Power Supply Voltage** AT/ATX, +5 V ±5%, +12V ±5%, or supports single +5 V power only
- **Power Consumption** (Geode LX800, 256MB DDR333)  
Max: +5 V @ 1.52 A, +12 V @ 0.12 A (@ HCT 11.2)  
Typical: +5 V @ 1.29 A, +12 V @ 0.09 A (@ WinXP)

## Board Diagram



## Packing List

- 1 x PCM-9375 SBC
- 1 x Mini Jumper Pack (p/n: 9689000002)
- 1 x Startup Manual
- 1 x Utility CD
- 1 x IDE 44 pin (p/n: 1701440351)
- 1 x Keyboard/Mouse Cable (p/n: 1700060202)
- 1 x USB 2.0 Cable (p/n: 1703100121)
- 1 x LAN Cable (p/n: 1701100202)
- 1 x Audio cable (p/n: 1700160160)
- 1 x COM2/3/4 (RS-232) cable (p/n: 1700001971)
- 1 x Parallel port cable (p/n: 1700001977)

## Optional Accessories

- 1700002150 COM2 cable for RS-422/485
- 1703200201 ATX power control cable

## Floppy Disk module

- 9696937580E PCM-9375-FDD module
- 1701340700 Flat cable 34-pin for FDD
- 1700002212 2 x LPT Cable 2LPT 1.27 mm

## Embedded OS

- 2070000729 Win CE 5.0 Pro SP1 OS Image and License for PCM-9375, English Version (optional)
- 2070001612 CE60 Pro PCM-9375 4Com V1.0 ENG
- 2070000732 Win XPe SP2 for PCM-9375 V2.10, English version (430 MB) (Optional)
- 2066002300 SUSI Library V1.0

## Ordering Information

Part No.	CRT	LVDS	TTL	10/100	USB	RS-232	RS-232/422/485	LPT	GPIO	CF	Mini PCI	PC-104
PCM-9375F-J0A1E	1	-	1	2	4	3	1	1	4 in, 4 out	1	-	1
PCM-9375E-J0A1E	1	1	-	2	4	3	1	1	4 in, 4 out	1	-	1

- PCM-9375FZ-J0A1E: The same as PCM-9375F-J0A1E w/ Advantech Phoenix Gold Temperature Cycle Screening Operation (-20~80 °C)
- PCM-9375EZ-J0A1E: The same as PCM-9375E-J0A1E w/ Advantech Phoenix Gold Temperature Cycle Screening Operation (-20~80 °C)