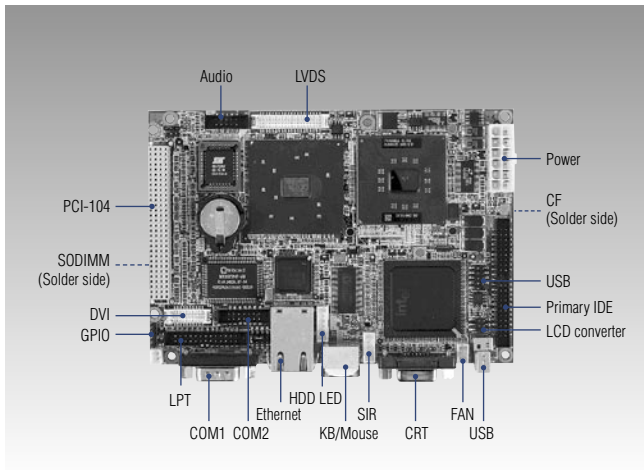


PCM-9387

3.5" SBC with Intel® ULV Celeron® M, VGA, LVDS, DVI, LAN, USB



Features

- Embedded Intel® ULV Celeron® M 600 MHz and 1.0 GHz processor
- DDR memory support
- 1000Base-T Ethernet (Optional)
- 2-channel two x 18-bit LVDS LCD display (two x 24-bit optional)
- Three USB 2.0 ports
- 10 W low power
- +5 V and +12 V power; or single +5 V power

Specifications

General

- **CPU** Embedded Intel ULV Celeron M 600 MHz (512 KB L2 cache)
Embedded Intel ULV Celeron M 1.0 GHz (0 L2 cache)
- **2nd Cache Memory** Depends on CPU type from 0 to 512 KB
- **System Chipset** Intel 852GM GMCH/ICH4 chipset
- **BIOS** AWARD® 4 Mbit Flash BIOS
- **System Memory** 1 x SODIMM socket, supports Double Data Rate (DDR) 128 MB to 1 GB, and accepts 128/256/512/1024 MB DDR200/266 DRAM
- **Power Management** Supports APM1.2, ACPI2.0, wake on LAN, and modem ring-in functions
- **SSD** Supports CompactFlash Card Type I (share 2nd IDE channel)
- **WatchDog Timer** 255 levels timer interval, setup by software
- **Expansion Interface** PCI-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, 1 x RS232, 1 x LPT (2nd internal RS-232 optional)
- **USB** 3 x USB ports, USB 2.0 compliant
- **Audio** Supports AC97 Audio stereo sound, with Microphone in, Line-In, Line-Out
- **IrDA** 115 kbps, SIR, IrDA 1.0 complaint (optional)
- **GPIO** 4 bit general purpose Input/Output
- **I/O Expansion** PCI-104
- **SMBus** System Management Bus for advanced monitoring/control interface

Ethernet

- **Chipset** Intel 82551QM (10/100Mbps) (with Wake on LAN)
Intel 82541PI (Gigabit, Optional)
- **Speed** 10/100 Mbps, 10/100/1000 Mbps (optional)
- **Interface** 1 x RJ45
- **Standard** IEEE 802.3 z/ab (100BASE-T) or IEEE 802.3u (100BASE-T) protocol compatible

Display

- **Chipset** Intel 852GM
- **Memory Size** Optimized Shared Memory Architecture, supports 64 MB frame buffer using system memory
- **Resolution** CRT display Mode: pixel resolution up to 1600 x 1200 @ 85 Hz
LVDS display Mode: up to UXGA panel resolution with frequency range from 25 MHz to 112 MHz
- **TTL LCD** Optional, supported by PCM-3540R module
- **LVDS LCD** Supports 2-channel (two 18-bit) LVDS LCD (two 24-bit optional), Panel 16:9 wide screen panel supported
- **TV-Out** N/A
- **Dual Independent Display** CRT + LVDS
CRT + DVI / LVDS + DVI

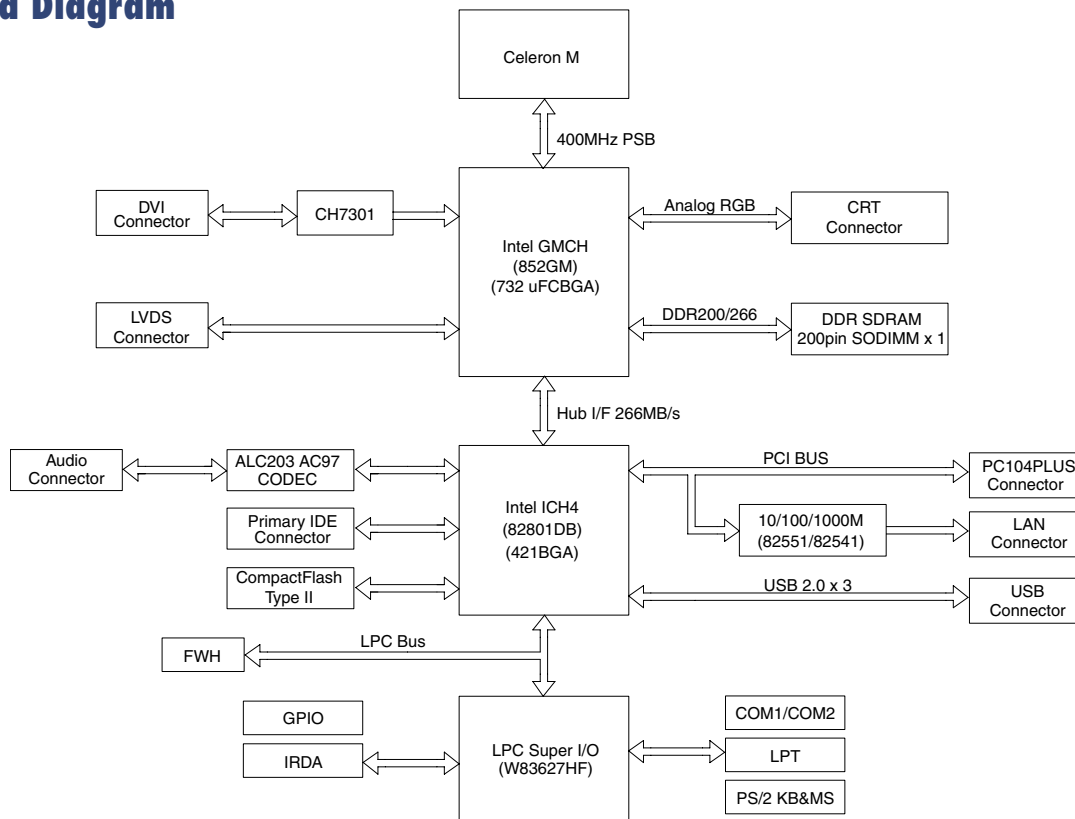
Mechanical and Environmental

- **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)
- **Operating Humidity** 10% ~ 90% Relative Humidity, non condensing

Power

- **Power Supply Voltage** AT or ATX power, +5 V ±5%, +12 V ±5%; or supports single +5 V power
- **Power Consumption** ULV Celeron M 600 MHz @ 256 MB DDR266
Max (HCT): +5 V @ 2.0 A, +12 V @ 0.02 A

Board Diagram



Packing List

- 1 x PCM-9387 SBC
- 1 x Mini Jumper Pack (p/n: 9689000002)
- 1 x Startup Manual
- 1 x Utility CD
- 1 x Audio Cable (p/n: 1703100152)
- 1 x IDE 44 pin (p/n: 1701440351)
- 1 x USB 2 port Cable (p/n: 1703100121)
- 1 x Parallel Port Cable (p/n: 1700260250)
- 1 x Keyboard/Mouse Cable (p/n: 1700060202)
- 1 x Second Serial Port Cable (p/n: 1701140201)
- 1 x ATX Power Cable 20P-12P Cable (p/n: 1700000265)

Optional

- 1700000410 CABLE DVI-26P/DF13-20P 20 cm
- 1700002595 Cable 110-pin, 1.27 mm / 4-pin, 1.25 mm, 20 cm for PCM-9381/87
- 1700002532 FLAT cable 14P/5P for internal COM1 RS232 20 cm

Embedded OS

- 2070000584 Win CE 4.2 P-M Core Image, PCM-938x, 2 COM, English, V 1.10 (17.2 MB) (Optional)
- 2070000585 Win CE 4.2 P-M Pro Image, PCM-938x, 2 COM, English, V 1.10 (29.1 MB) (Optional)
- 2070000586 Win CE 4.2 P-M Plus Image, PCM-938x, 2 COM, English, V 1.10 (29.9 MB) (Optional)
- 2070000765 Image CE 5.0 Pro Plus English for P-M, 2 COM (Optional)
- 2070000605 Win XPE SP2 Image, PCM-938x, English, V2.10 (440 MB) (Optional)
- 2066002300 CD SUSI Library V1.0

Ordering Information

Part No.	CRT	LVDS	DVI	10/100	Giga	USB	RS-232	RS-232/422/485	LPT	GPIO	IrDA	CF	PCI-104
PCM-9387F-M0A2E	1	1	1	1	optional	3	1	1	1	2 in, 2 out	optional	1	1
PCM-9387F-S0A2E	1	1	1	1	optional	3	1	1	1	2 in, 2 out	optional	1	1