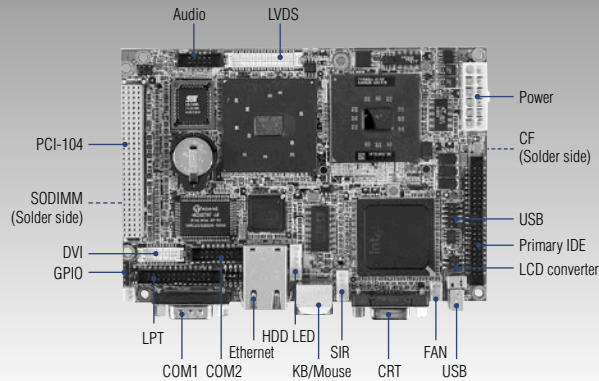


PCM-9387

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



Features

- Embedded Intel ULV Celeron M 600 MHz and 1.0GHz processor
- Supports DDR memory
- Supports 1000BASE-T Ethernet (Optional)
- Supports 2 channel 36 bits LVDS LCD display
- Supports 3 x USB 2.0 ports
- Around 10 W low power
- Supports +5 V and +12 V power; or single +5 V power

Specifications

General

- **CPU** Embedded Intel ULV Celeron M 600 MHz, 800 MHz, 1.0 GHz
- **2nd Cache Memory** N/A
- **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** APM 1.2, ACPI supported
- **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
- **USB** 3 x USB ports, USB 2.0 compliant
- **Audio** Supports AC97 Audio stereo sound.
- **GPIO** 4 bit general purpose Input / Output
- **I/O Expansion** PCI-104

Ethernet

- **Chipset** Intel 82551ER
Intel 82551QM (Optional) (with optional BIOS support)
Intel 82541 (Gigabit, Optional)
- **Speed** 10/100 Mbps, 10/100/1000 Mbps (optional)
- **Interface** 1 x RJ45
- **Standard** IEEE 802.3 z/ab (1000BASE-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 and 2048 x 536 @ 75 Hz
LVDS display Mode: up to UXGA panel resolution with frequency range from 25 MHz to 112 MHz
- **LVDS Interface** Supports 2 channel (2 x 18-bit) LVDS LCD Panel
- **TV-Out** N/A
- **Dual Independent Display** CRT + LVDS
CRT + DVI / LVDS+ DVI

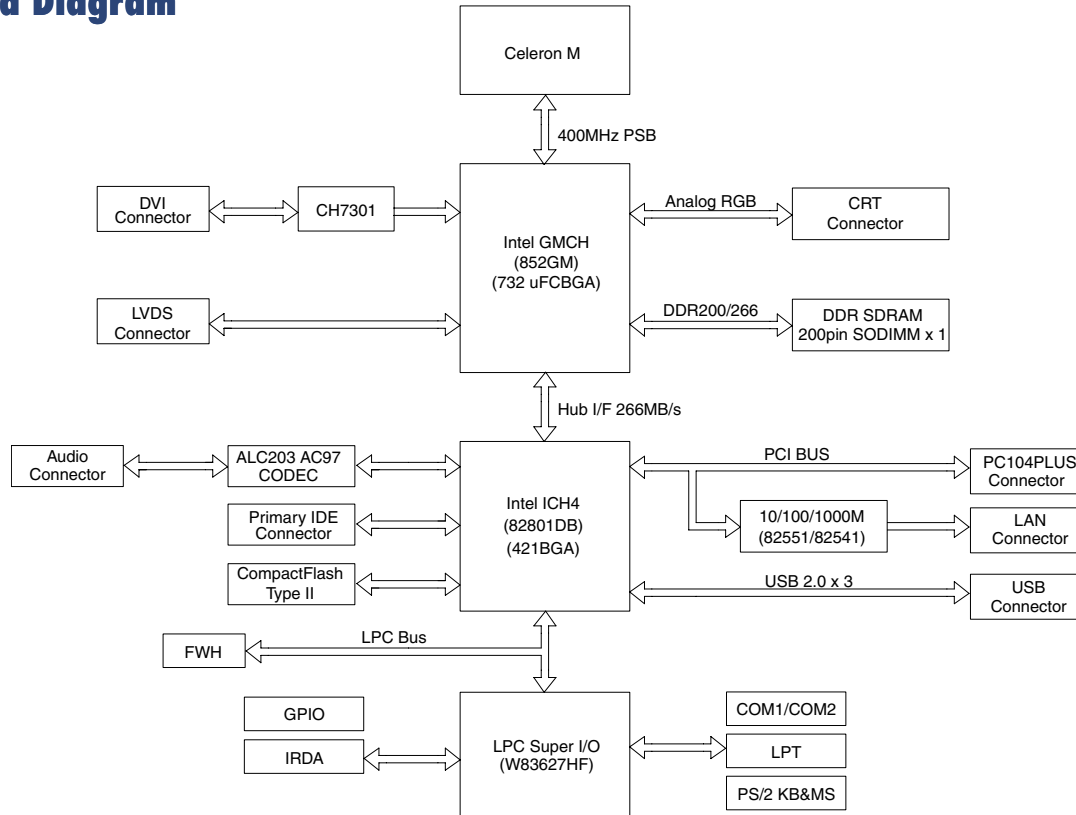
Mechanical and Environmental

- **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	(p/n: 9689000002)
1 x Mini Jumper Pack	
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)

Ordering Information

Standard

- PCM-9387F-M0A1E** 3.5" SBC with ULV Celeron M 600 (0 L2), VGA, LVDS, DVI, LAN, USB
- PCM-9387F-Q0A1E** 3.5" SBC with ULV Celeron M 800 MHz (0 L2), VGA, LVDS, DVI, LAN, USB
- PCM-9387F-S0A1E** 3.5" SBC with ULV Celeron M 1.0 GHz (0 L2), VGA, LVDS, DVI, LAN, USB

Optional

- 1700000410** CABLE DVI-26P/DF13-20P 20 cm

Embedded OS

- 2070000584** Win CE 4.2 P-M Core Image, PCM-938x, 2 COM, English, V 1.10 (17.2MB) (Optional)
- 2070000585** Win CE 4.2 P-M Pro Image, PCM-938x, 2 COM, English, V 1.10 (29.1MB) (Optional)
- 2070000586** Win CE 4.2 P-M Plus Image, PCM-938x, 2 COM, English, V 1.10(29.9MB) (Optional)
- 2070000605** Win XPE SP2 Image, PCM-938x, English, V2.10 (440MB) (Optional)