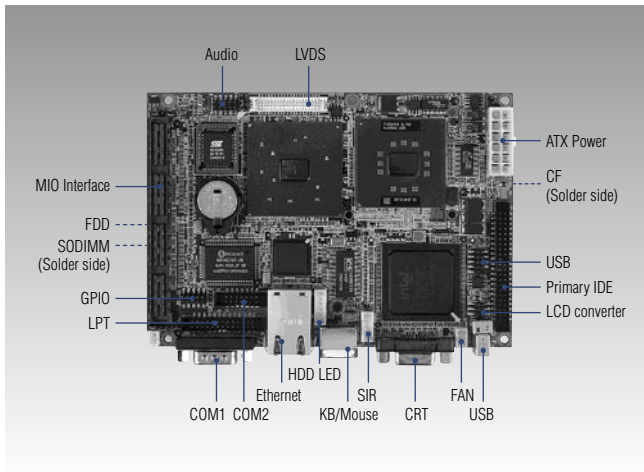


PCM-9386

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



Features

- Embedded Intel® ULV Celeron® M 600 MHz and 1.0 GHz processor
- 100BASE-T Ethernet; Gigabit Ethernet (optional)
- 2-channel (two x 18-bit) LVDS LCD display (two x 24-bit optional)
- Three USB 2.0 ports
- MIO Interface
- 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, 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/II (share 2nd IDE channel)
- **WatchDog Timer**
 - 255 levels timer interval, setup by software
- **Expansion Interface**
 - MIO interface, integrated PCI 2.0, LPC, USB2.0, SMBus, AC97 and DVO Bus
- **Battery**
 - Lithium 3 V/196 mAh

I/O

- **I/O Interface**
 - 1 x EIDE, 1 x FDD, 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 compliant (optional)
- **GPIO**
 - 8-bit general purpose Input/Output
- **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 (1000BASE-T) or IEEE 802.3u (100BASE-T) protocol compatible

Display

- **Chipset**
 - Intel 852GM/GMCH
- **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 (two 24-bit optional) LCD Panel 16:9 wide screen panel supported optional, by MIO-6254 module
- **TV-Out**
 - by MIO-6254 module
- **Dual Independent Display**
 - CRT + LVDS
 - CRT + DVI / LVDS+ DVI (w/MIO-6254)

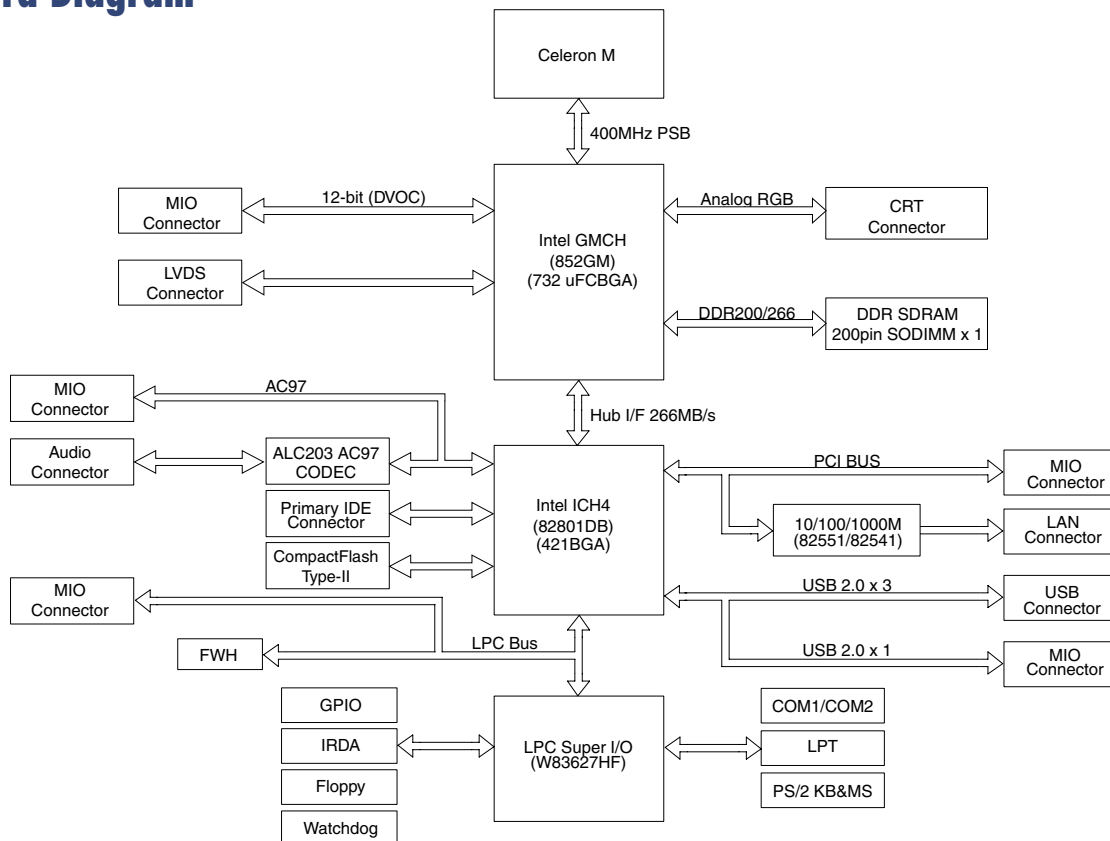
Mechanical and Environmental

- **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/ATX, +5 V ±5%, +12V ±5%, or supports single +5 V power only
- **Power Consumption**
 - (Celeron M 600 MHz) +5 V @ 2.0 A +12 V @ 0.02 A

Board Diagram



Packing List

- 1 x PCM-9386 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 26-34 pin FDD adapter (p/n: 9681000044)
- 1 x FDD Cable for Slim FDD (p/n: 1701260125)
- 1 x Flat cable 34 pins for FDD (p/n: 1701340700)
- 1 x Second serial port cable (p/n: 1701140201)
- 1 x ATX power cable 20P-12P cable (p/n: 1700000265)

Optional Accessories

- MIO-6250 MIO module w/3 x Fast Ethernet with LAN bypass
- MIO-6251 MIO module w/2 x Mini PCI, Audio
- MIO-6253 MIO module with 4 COM ports
- MIO-6254 MIO module w/DVI, S-Video, Audio
- MIO-6255 MIO module w/2 x Cardbus
- MIO-6260 MIO module w/4 x USB, 2 x COM, 1 x LAN

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 , 2COM (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	MIO
PCM-9386F-M0A2E	1	1	0	1	optional	3	1	1	1	4 in, 4 out	optional	1	1
PCM-9386F-S0A2E	1	1	0	1	optional	3	1	1	1	4 in, 4 out	optional	1	1
PCM-9386S-50A2E	1	1	0	1	optional	3	1	1	1	4 in, 4 out	optional	512 MB	1
PCM-9386S-54A2E	1	1	0	1	optional	3	1	1	1	4 in, 4 out	optional	512 MB	1