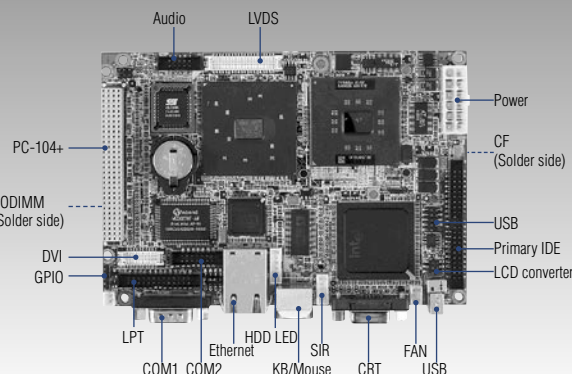


# PCM-9381

Intel® Pentium® M 3.5" SBC with PC104+/VGA/LCD/LVDS/LAN/USB 2.0 and SSD

**NEW**



## Specifications

### General

- **CPU**

Embedded Intel Pentium M (Banias/Dothan)/LV/ULV/  
Celeron M Processor supported  
Celeron M 600 (512 KB)      PCM-9381F-M0A1  
Pentium M 1.1 GHz          PCM-9381F-S1A1  
uFCPGA2 (478 pin)          PCM-9381F-00A1/  
PCM-9381FG-00A1

Optional:  
Pentium M 745 1.8 GHz @ 400 MHz FSB  
Pentium M 1.6 GHz @ 400 MHz FSB  
Pentium M 738 1.4 GHz @ 400 MHz FSB  
Celeron M 320 1.3 GHz @ 400 MHz FSB  
Depend on CPU type from 512 KB to 2 MB  
Intel 855GME GMCH/ICH4 chipset  
AWARD 4 Mbit BIOS  
1 x SODIMM socket, support ECC Double Data Rate  
(DDR) 128 MB to 1 GB, accept 128/256/512/1000 MB  
DDR200/266/333 DRAM  
APM 1.2, ACPI supported  
Support CompactFlash Card Type I/II (share 2nd IDE  
channel)  
255 levels timer interval, setup by software.  
PC/104-Plus  
Lithium 3 V/196 mAh
- **2nd Cache Memory**
- **System Chipset**
- **BIOS**
- **System Memory**
- **Power Management**
- **SSD**
- **WatchDog Timer**
- **Expansion Interface**
- **Battery**

### 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 USB ports, USB 2.0 compliant
- **Audio**

Support AC97 Audio stereo sound.
- **GPIO**

4 bit general purpose Input / Output
- **I/O Expansion**

PC/104-plus

### Ethernet

- **Chipset**

Intel 82551ER  
Intel 82551QM (optional)  
Intel 82541GI (Gigabit)
- **Speed**

10/100/1000 Mbps, 10/100 Mbps
- **Interface**

RJ45 connector
- **Standard**

IEEE 802.3 z/ab (1000BASE-T) or  
IEEE 802.3u (100 BASE-T) protocol compatible

## Features

- Embedded Intel® Pentium® M/Celeron® M Processor
- Support ECC DDR memory
- Supports 1000BSASE-T Ethernet
- Supports 2 channel 48 bits LVDS LCD display
- Supports 3 x USB 2.0 ports
- Supports Intel® SpeedStepping (GV3) Technology
- Supports single +5 V power

### Display

- **Chipset**

Intel 855GME/GMCH
- **Memory Size**

Optimized Shared Memory Architecture, support 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  
support 2 channel (48-bit) LVDS LCD Panel
- **LVDS Interface**

N/A
- **TV-Out**

CRT + LVDS
- **Dual Independent Display**

CRT + DVI / LVDS+ DVI

### Mechanical and Environmental

- **Dimension (L x W)**

146 mm x 105 mm (5.7" x 4")
- **Weight**

0.85 kg (weight of total package)
- **Operation Temperature**

0 ~ 60° C (32 ~ 140° F)
- **Operating Humidity**

0% ~ 90% Relative Humidity, non condensing

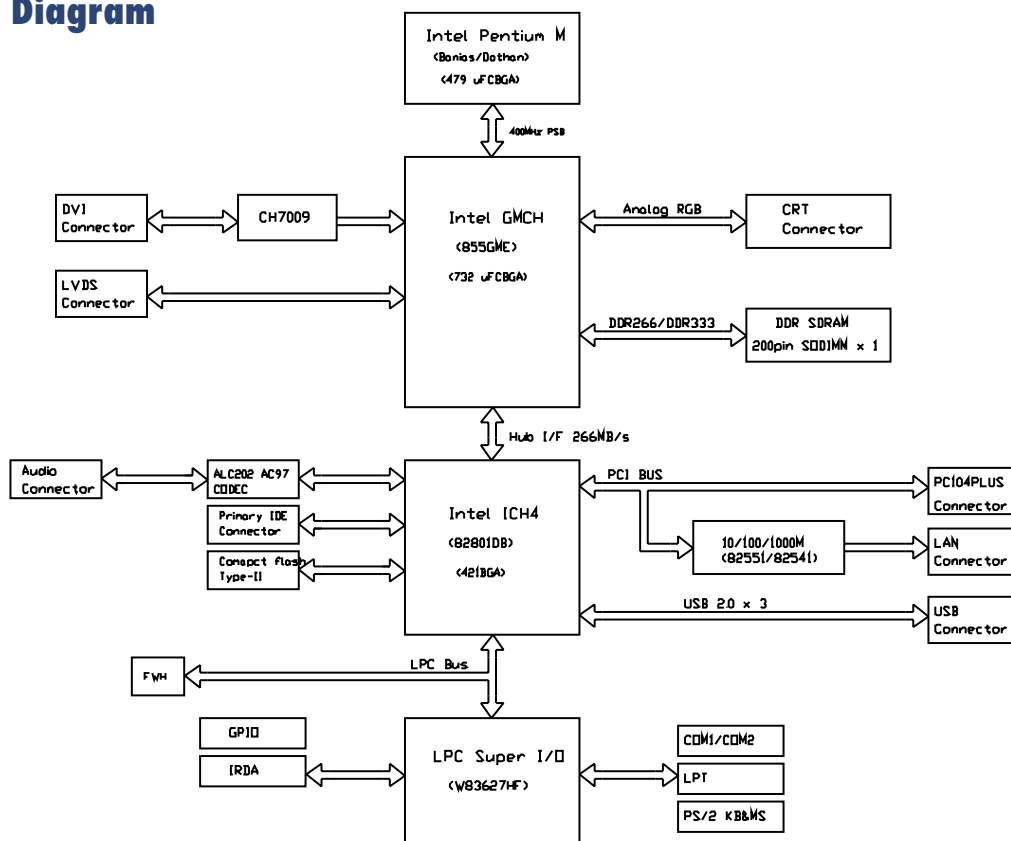
### Power

- **Power Supply Voltage**

ATX, +5 V ±5%, +12V ±5%
- **Power Consumption**

(Pentium M 1.3 G, 256 MB DDR333)  
+5 V @ 4.26 A, +12 V @ 0.13 A

## Board Diagram



## Packing List

- 1 x PCM-9381 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)

## Ordering Information

### Standard

- **PCM-9381F-00A1** uFCPGA2 SKT 478/LAN/VGA/LVDS/Audio
- **PCM-9381FG-00A1** uFCPGA2 SKT 478/Giga LAN/VGA/LVDS/Audio
- **PCM-9381F-M0A1** Celeron M 600 (512 KB) /LAN/VGA/LVDS/Audio
- **PCM-9381F-S1A1** Pentium M 1.1 GHz LAN/VGA/LVDS/Audio