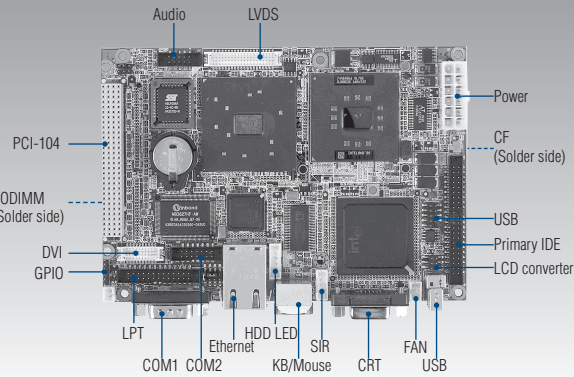


PCM-9381

Intel® Pentium® M 3.5" SBC with PCI-104/
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
- **2nd Cache Memory** Depends on CPU type from 512 KB to 2 MB
- **System Chipset** Intel 855GME GMCH/ICH4 chipset
- **BIOS** AWARD 4 Mbit BIOS
- **System Memory** 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
- **Power Management** APM 1.2, ACPI supported
- **SSD** Supports CompactFlash Card Type I/II (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 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)
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
- Supports ECC DDR memory
- Supports 1000BASE-T Ethernet
- Supports 2 channel 36 bits LVDS LCD display
- Supports 3 x USB 2.0 ports
- Supports Intel® SpeedStepping (GV3) Technology
- Supports +5 V and +12 V power; or single +5 V power

Display

- **Chipset** Intel 855GME/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 and 2048 x 536 @ 75 Hz
LVDS display Mode: up to UXGA panel resolution with
frequency range from 25 MHz to 112 MHz
Supports 2 channel (36-bit) LVDS LCD Panel
- **LVDS Interface** N/A
- **TV-Out** CRT + LVDS
- **Dual Independent
Display** CRT + DVI / LVDS+ DVI (w/MIO-254)

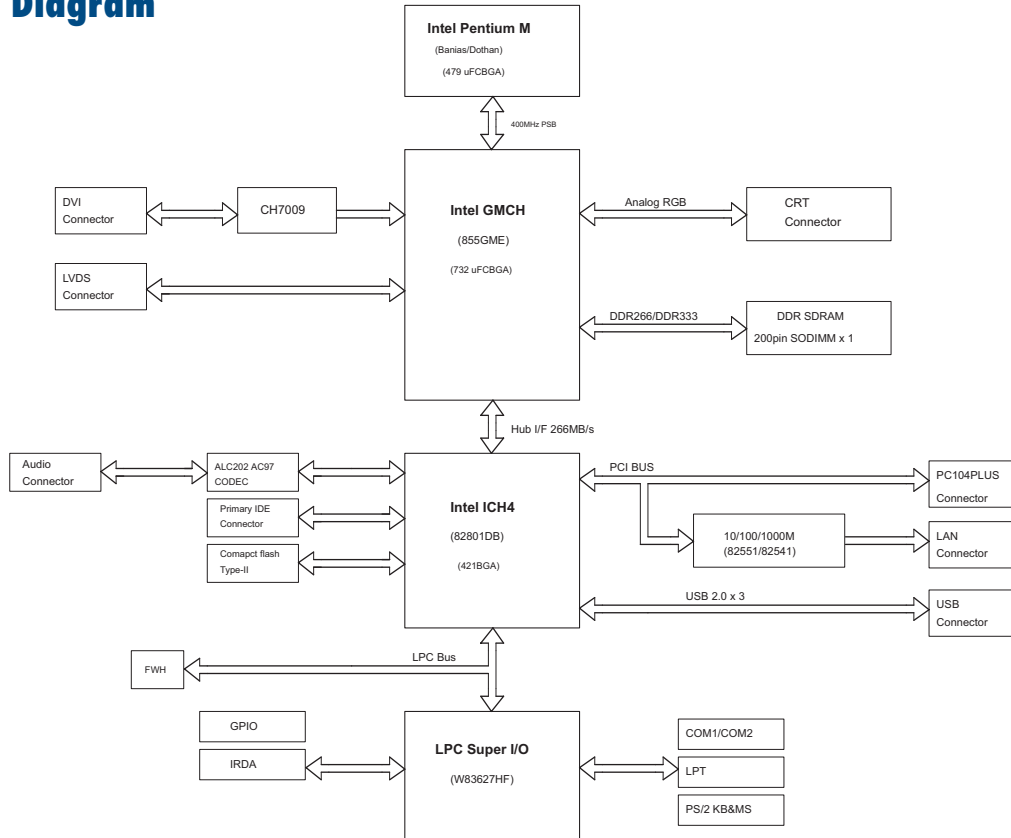
Mechanical and Environmental

- **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** 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** (Pentium M 1.8 GHz, 256 MB DDR266)
Typical: +5 V @ 3.0 A, +12 V @ 0.04 A
Max: +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-9381F-M0A1** Celeron M 600 (512 KB) /LAN/VGA/LVDS/Audio
- **PCM-9381F-S1A1** Pentium M 1.1 GHz LAN/VGA/LVDS/Audio