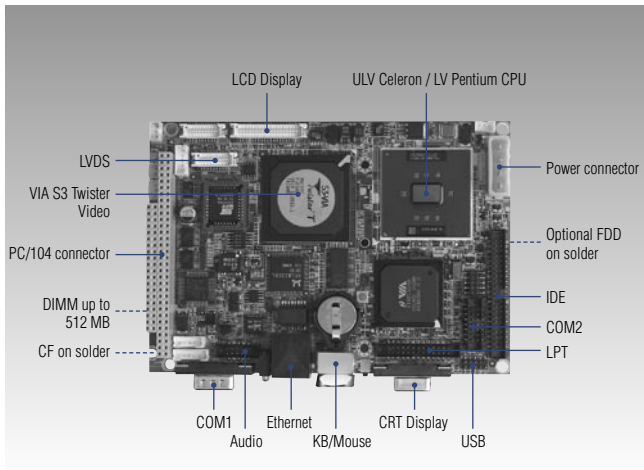


# PCM-9371

**3.5" SBC with Intel® ULV Celeron®/ Pentium® III, VGA, LCD, LVDS, LAN, USB**



## Features

- Embedded Intel® ULV Celeron®/LV Intel Pentium® III Processor
- Fanless, 0 ~ 60° C operation (PCM-9371F-J0A1 & PCM-9371F-M0A1)
- Supports LCD backlight turn-off function
- 100/133 MHz FSB and four AGP graphics for high performance applications
- 2-Channel LVDS interface

## Specifications

### General

- **CPU**  
Intel Ultra Low Voltage Celeron or Low Voltage Pentium III Processor  
ULV Celeron 400 MHz (PCM-9371F-J0A1)  
ULV Celeron 650 MHz (PCM-9371F-M0A1)  
LV Pentium III 933 MHz (PCM-9371F-R0A1)
- **2nd Cache Memory**  
256 KB/512 KB on the Celeron/Pentium III processor
- **System Chipset**  
VIA® PN133T (VT8606, VT82C686B, 133 MHz FSB)
- **BIOS**  
AWARD® 256 kbit Flash BIOS
- **System Memory**  
SDRAM 144-pin PC/100 or 133 SODIMM x 1, Max. 512 MB
- **Power Management**
- **SSD**  
CompactFlash® card Type I/II
- **WatchDog Timer**  
1 ~ 62 sec, 62-level timer intervals system reset or IRQ11
- **Expansion Interface**  
PC/104 and COM1, Ethernet, KB/Mouse, Connectors location same as PCM-5820/PCM-5824
- **Battery**  
Lithium 3 V/196 mAh

### I/O

- **I/O Interface**  
1 x EIDE, 1 x FDD (optional), 1 x K/B, 1 x Mouse, 1 x RS-232/422/485, 1 x RS-232, 1 x LPT
- **USB**  
2 x USB ports, USB 1.1 compliant
- **Audio**  
VIA 82C686 support AC'97 2.0 compliant, Mic-in, Line-in, Line-out
- **IrDA**  
115 kbps, IrDA 1.1 compliant
- **GPIO**  
N/A

### Ethernet

- **Chipset**  
RealTek® RTL8100
- **Speed**  
10/100 Mbps (optional)
- **Interface**  
1 x RJ45
- **Standard**  
IEEE 802.3u 100 BASE-T Fast Ethernet compatible  
Built-in boot ROM in Flash BIOS

### Display

- **Chipset**  
VIA VT8606 Twister® chip with Integrated S3 Savage4 2D/3D/Video Accelerator
- **Memory Size**  
8/16/32 MB frame buffer using system memory
- **Resolution**  
CRT Mode: 1280 x 1024 @ 16 bpp (60 Hz), 1024 x 768 @ 16 bpp (85 Hz) LCD/Simultaneous Mode: 1280 x 1024 @ 16 bpp (60 Hz), 1024 x 768 @ 16 bpp (60 Hz)
- **LCD Interface**  
4 x AGP VGA/LCD interface, Support for 18, 24, 36-bit TFT and 16 or 24-bit DSTN panels up to SXGA resolution
- **LVDS Interface**  
2-Channel (2 x 18-bit) LVDS interface
- **TV-Out (optional)**  
Supports both NTSC/PAL, S-video and Composite Video via PCM-232 TV-out module (with optional BIOS)
- **Dual Independent Display**  
N/A

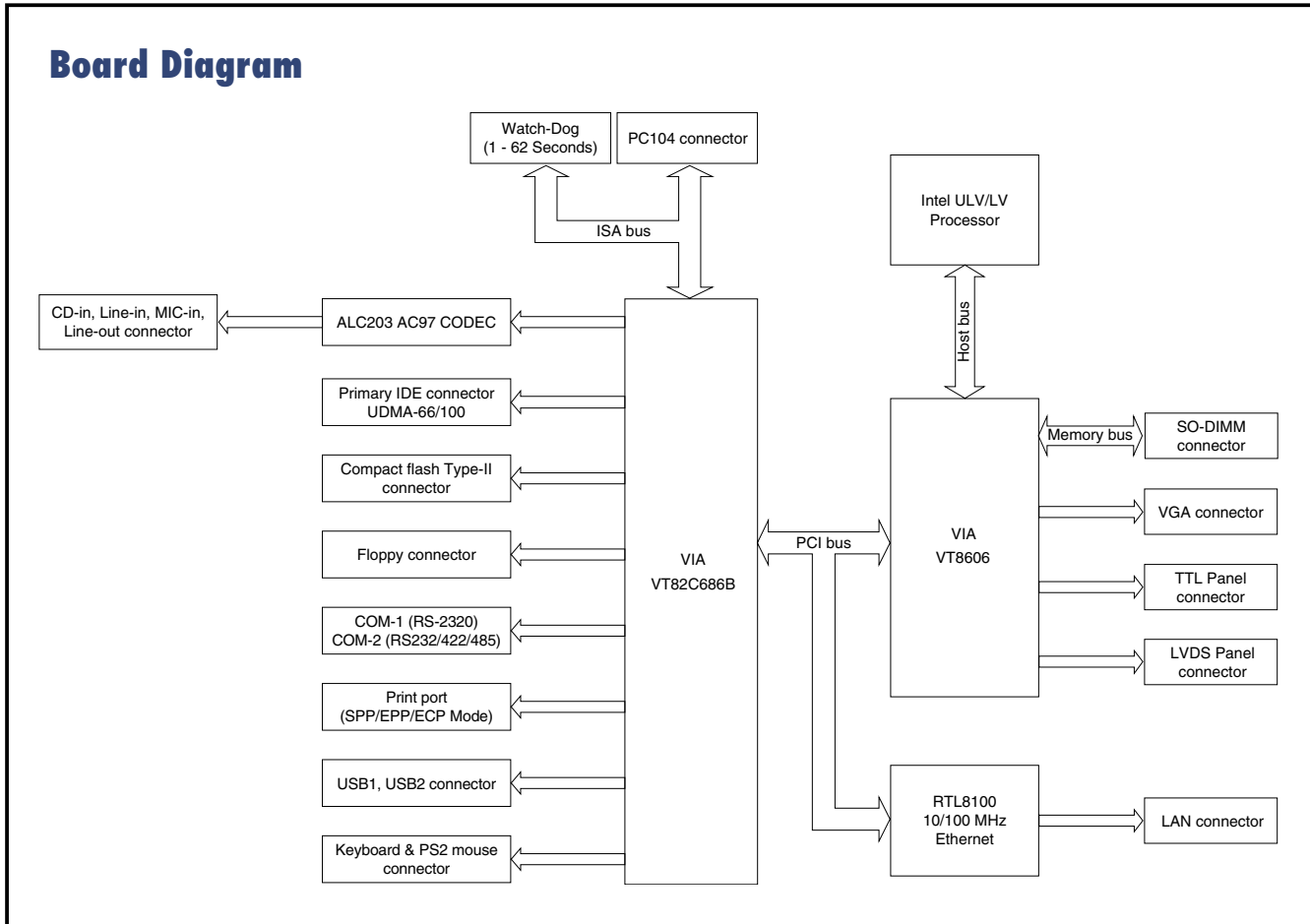
### Mechanical and Environmental

- **Dimension (L x W)**  
146 x 102 mm (5.7" x 4")
- **Weight**  
0.85 kg (weight of total package)
- **Operating Temperature**  
0 ~ 60° C (32 ~ 140° F)
- **Operating Humidity**  
0% ~ 90% Relative Humidity, noncondensing

### Power

- **Power Supply Voltage**  
+5 V ± 5%, +12 V ± 5% (PC/104, LCD)
- **Power Consumption**  
Max: 4.99 A @ +5 V (with 256 MB, ULV Celeron-650)  
Typical: 2.79 A @ +5 V (with 256 MB DRAM, ULV Celeron 400 MHz CPU)  
3.19 A @ +5 V (with 256 MB DRAM, ULV Celeron 650 MHz CPU)

## Board Diagram



## Packing List

- 1 x PCM-9371 SBC
- 1 x Mini Jumper Pack [conts.: 10 pcs] (p/n: 9689000002)
- 1 x IDE flat cable 44p/44p/40p (p/n: 1701440504)
- 1 x Keyboard/ PS2 mouse cable (p/n:1700060202)
- 1 x Second serial port cable (p/n:1701140201)
- 1 x Parallel port cable (p/n:1700260250)
- 1 x Audio cable (p/n:1703100152)
- 1 x USB cable (p/n:1703100121)
- 1 x Startup manual
- 1 x Utility CD

## Optional Accessories

- 1703100260 USB cable 26 cm
- 1703100121 USB cable 12 cm meet MBPC-200 classis
- 1703200201 ATX power control cable
- PCM-232-00A1E TV-out module for PCM-9373/PCM-9371

## Embedded OS

- 2070000081 Win CE.NET 4.2 Core Image, PCM-9371, English (Optional)
- 2070000082 Win CE.NET 4.2 Professional Image, PCM-9371, English (Optional)
- 2070000083 Win CE.NET 4.2 Professional Plus Image, PCM-9371, English (Optional)
- 2070000446 WinCE 5.0 Core Image,, PCM-9371, English (19 MB) (Optional)
- 2070000447 WinCE 5.0 Pro Image, PCM-9371 English V1.1 (30 MB) (Optional)
- 2070000448 WinCE 5.0 Pro Plus Image, PCM-9371 English V1.1 (32 MB) (Optional)
- 2070000607 Win XPE SP2Image, PCM-9371, English V2.10 (430 MB) (Optional)

## Ordering Information

Part No.	CRT	LVDS	DVI	10/100	USB	RS-232	RS-232/422/485	LPT	GPIO	IrDA	CF	PC-104
PCM-9371F-J0A1E	1	1	1	1	2	1	1	1	-	1	1	1
PCM-9371F-M0A1E	1	1	1	1	2	1	1	1	-	1	1	1
PCM-9371F-R0A1E	1	1	1	1	2	1	1	1	-	1	1	1