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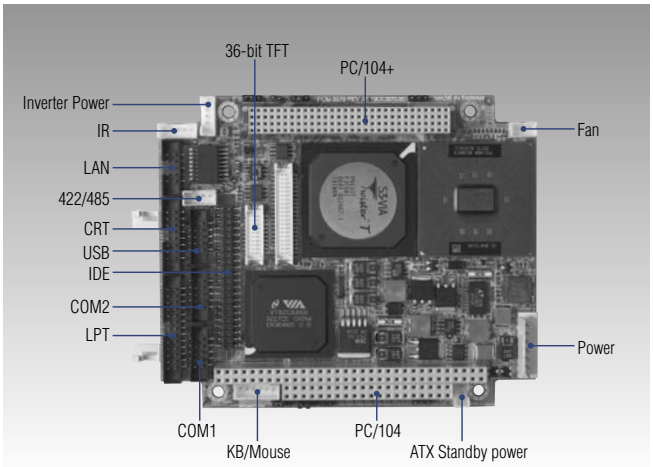
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PCM-3370

LV Intel® Pentium® III PC/104-Plus CPU Module



Features

- ULV Intel® Celeron® 400/650 MHz Fanless, LV Pentium® III 800/933 MHz
- Chipset: VIA® VT8606/TwisterT and VT82C686B
- VGA/LCD controller with optimized Shared Memory Architecture (SMA)
- Four AGP VGA/LCD & LCD controller up to 1024 x 768
- +5 V and +12 V power supply required
- 10/100Mbps PCI Ethernet interface, supports Wake-on-LAN
- PC/104 and PC/104-Plus expansion connector
- Support for CompactFlash® Card (CFC) Type I Socket
- One SODIMM socket supports up to 512 MB SDRAM

Specifications

General

- **CPU** — Onboard ULV Intel Celeron 400/650 MHz Fanless, or LV Pentium III 933 (800 MHz optional)
- **2nd Cache Memory** — 256 KB on ULV Celeron/512 KB on Pentium III
- **System Chipset** — VIA VT8606/TwiserT + VT82C686B
- **BIOS** — AWARD® 256 KB Flash BIOS
- **System Memory** — 1 x SODIMM socket, supports up to 512 MB SDRAM
- **Power Management** — Supports Advanced Power Management
- **SSD** — Supports CompactFlash Card Type I
- **Watchdog Timer** — 1.6 sec. interval watchdog, set up by software, jumperless selection, generates system reset or IRQ11
- **Expansion Interface** — 104-pin 16-bit PC/104 module connector and 120-pin PCI PC/104-Plus module connector

I/O

- **I/O Interface** — 1 x EIDE, 1 x LPT, 1 x RS-232/422/485, 1 x RS232, 1 x K/B, 1 x Mouse
- **USB** — 2 x Universal Serial Bus 1.1 compliant ports
- **IrDA** — Share with COM2, transfer rate up to 1.15 Mbps
- **I/O Expansion** — Support for + 5 V FAN, speed detect connector

Ethernet

- **Chipset** — Realtek® RTL8139D 10/100 Mbps
- **Speed** — 10/100Base-T
- **Interface** — 1 x RJ-45

Display

- **Chipset** — *VIA VT8606
  4X AGP controller, supporting CRT
  PCM-3370F: 18/24/36 bit TTL interface
  PCM-3370E: 18/24 bit TTL interface and 36 bit dual channel LVDS

Mechanical and Environmental

- **Dimension (L x W)** — 96 x 115 mm
- **Weight** — 0.162 kg (with heat sink)
- **Operating Temperature** — 0 ~ 60° C
- **Operating Humidity** — 0% ~ 90% relative humidity, non-condensing

Power

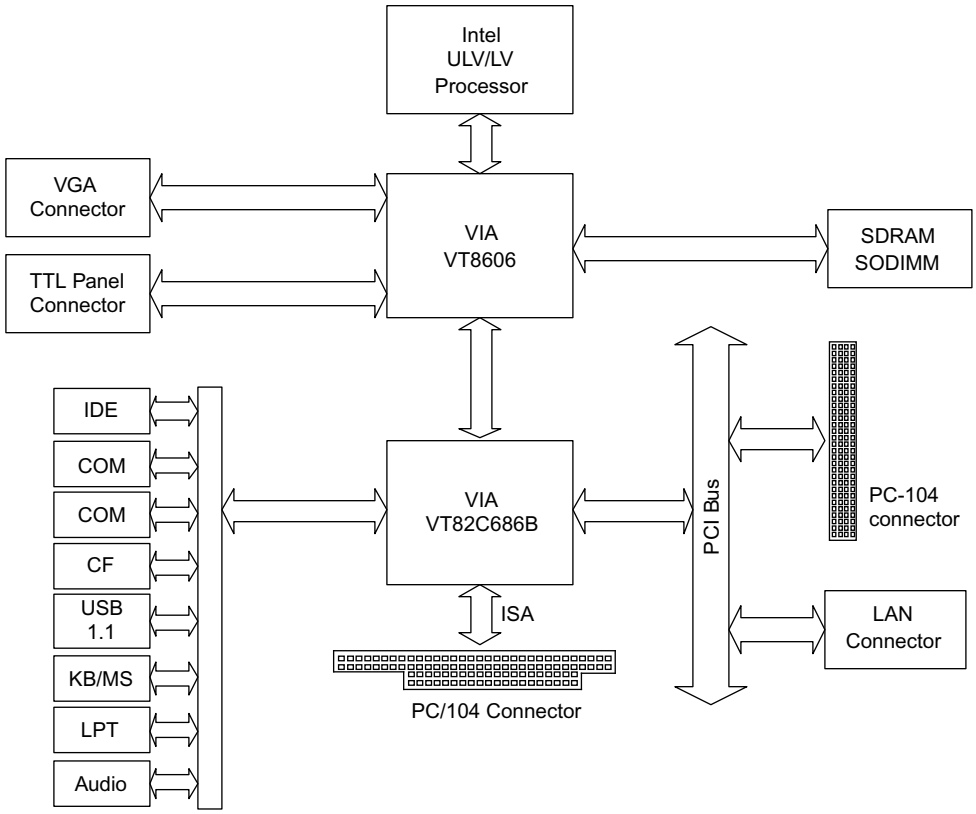
- **Power Supply Voltage** — AT/ATX, +5 V ±5%, +12 V ±5%
- **Power Consumption**
  Typical: 2.43 A @ +5 V (ULV Celeron 400 MHz CPU)
  2.83 A @ +5 V (ULV Celeron 650 MHz CPU)
  3.50 A @ +5 V (LV Pentium III 933 MHz CPU)
  0.02 A @ +12 V (ULV Celeron 400 MHz CPU)
  0.02 A @ +12 V (ULV Celeron 650 MHz CPU)
  0.02 A @ +12 V (LV Pentium III 933 MHz CPU)
  Max: 2.47 A @ +5 V (ULV Celeron 400 MHz CPU)
  2.97 A @ +5 V (ULV Celeron 650 MHz CPU)
  3.99 A @ +5 V (LV Pentium III 933 MHz CPU)
  0.06 A @ +12 V (ULV Celeron 400 MHz CPU)
  0.06 A @ +12 V (ULV Celeron 650 MHz CPU)
  0.08 A @ +12 V (LV Pentium III 933 MHz CPU)

Packing List

- **1 x PCM-3370 SBC**
- **1 x KB/Mouse Y-Cable** (p/n:1700060202)
- **1 x Y-Cable external cable** (p/n:1703060053)
- **1 x VGA Cable** (p/n:1701160150)
- **1 x Ethernet RJ-45 Conn. conversion cable** (p/n:1701100202)
- **1 x IDE Cable** (p/n:1701440350)
- **1 x COM Port Cable** (p/n:1700100250)
- **1 x LPT port cable** (p/n:1700260250)
- **1 x Wire ATX Power** (p/n:1703200380)
- **1 x Wire AT Power 10cm** (p/n:1703080104)
- **1 x Startup manual**
- **1 x CD-ROM (Manual, Driver, Utility)**

All product specifications are subject to change without notice

Board Diagram



Ordering Information

Part No.	CPU	L2 Cache	Chipset	CRT	LVDS	TTL	10/100	USB 1.1	RS-232	RS-422/485	LPT	CF	KB/MS	PCI-104 connector	PC/104 connector	Thermal Solution	Operation Temp.
PCM-3370F-R0A1E	LV Pentium III 933 Mhz	256 KB	VIA8606+ 686B	Yes	--	36-bit	1	2	2	*Optional	Yes	Yes	Yes	Yes	Yes	Active	0 ~ 60° C
PCM-3370F-M0A1E	ULV Celeron 650 Mhz	256 KB	VIA8606+ 686B	Yes	--	36-bit	1	2	2	*Optional	Yes	Yes	Yes	Yes	Yes	Passive	0 ~ 60° C
PCM-3370F-J0A1E	ULV Celeron 400 Mhz	256 KB	VIA8606+ 686B	Yes	--	36-bit	1	2	2	*Optional	Yes	Yes	Yes	Yes	Yes	Passive	0 ~ 60° C
PCM-3370Z-J0A1E	ULV Celeron 400 Mhz	256 KB	VIA8606+ 686B	Yes	--	36-bit	1	2	2	*Optional	Yes	Yes	Yes	Yes	Yes	Passive	-20 ~ 80° C
PCM-3370E-M0A1E	ULV Celeron 650 Mhz	256 KB	VIA8606+ 686B	Yes	36-bit	24-bit	1	2	2	*Optional	Yes	Yes	Yes	Yes	Yes	Passive	0 ~ 60° C
PCM-3370E-J0A1E	ULV Celeron 400 Mhz	256 KB	VIA8606+ 686B	Yes	36-bit	24-bit	1	2	2	*Optional	Yes	Yes	Yes	Yes	Yes	Passive	0 ~ 60° C

Optional Accessories

- **RS-422/485 cable** (p/n:1703040257)
- **12cm USB cable** (p/n:1703100121)
- **26cm USB cable** (p/n:1703100261)

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