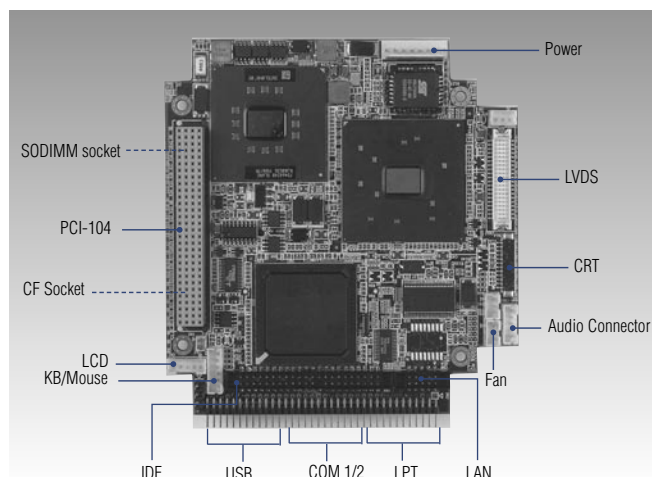


PCM-3380

Intel® Pentium® M
PCI-104 CPU Module



Specifications

General

- **CPU** Embedded Intel Pentium-M Processor 1.1 GHz, 1.4 GHz, 1.6 GHz, and Celeron-M 600 MHz
- **2nd Cache Memory** 2 MB on the Pentium-M 1.4 GHz processor
1 MB on the Pentium-M 1.1/1.6 GHz processor
512 KB on Celeron-M
- **System Chipset** Intel 855GME ICH4 Chipset 400 MHz FSB
- **BIOS** AWARD® 512 KB Flash BIOS
- **System Memory** 200-pin SODIMM sockets, support 128 MB to 1 GB, accepts 128/256/512/1024 MB, DDR200/266/333 DRAM
- **Power Management** Supports Advanced Power Management /ACPI, Intel Speedstep
- **SSD** Supports CompactFlash Card Type I, Type II (option for Micro Drive)
- **Watchdog Timer** 1 ~ 255 sec/min, 255-level interval watchdog timer, setup by software, selection, generates system reset
- **Expansion Interface** 120-pin PCI PC/104-Plus module connector

I/O

- **I/O Interface** 1 x EIDE, 1 x LPT, 2 x RS232, 1 x K/B, 1 x Mouse
- **USB** 6 x USB 2.0, EHCI/UHCI specification compliant
- **Audio** ICH4 chip. AC'97 2.0 compliant. Supports Line-in, Line-out, Mic-in
- **I/O Expansion** Support for +5 V FAN, speed detect connector

Ethernet

- **Chipset** Intel 82562EM, PCI Ethernet controller, IEEE 802.3u protocol compatible
- **Speed** 10/100Base-T
- **Interface** 1 x RJ-45

Display

- **Chipset** Intel 855 GME
Supports CRT Display
Supports 2CH 36-bit LVDS LCD display
Optimized Shared Memory Architecture, support 64 MB/32 MB frame buffer using system memory

Features

- Embedded Intel® Pentium® M Processor 1.1 GHz/1.4 GHz/1.6 GHz or Celeron® M 600 MHz
- Chipset: Intel 855GME (Montara-GM+) GMCH/ICH4 Chipset 400 MHz FSB
- VGA/LCD controller with optimized Shared Memory Architecture (SMA)
- Supports dual display
- 10/100Mbps PCI Ethernet interface, supports wake-on-LAN
- PCI-104 expansion connector
- Support for CompactFlash® Card (CFC) Type I Socket
- Supports six USB 2.0 ports
- SODIMM socket support up to 1 GB DDR SDRAM
- Supports audio function compliant with AC'97 2.0

Mechanical and Environmental

- **Dimension (L x W)** 108 mm x 115 mm
- **Weight** 0.279 kg (with heat sink)
- **Operating Temperature** 0 ~ 60° C
- **Operating Humidity** 0% ~ 90% relative humidity, non-condensing

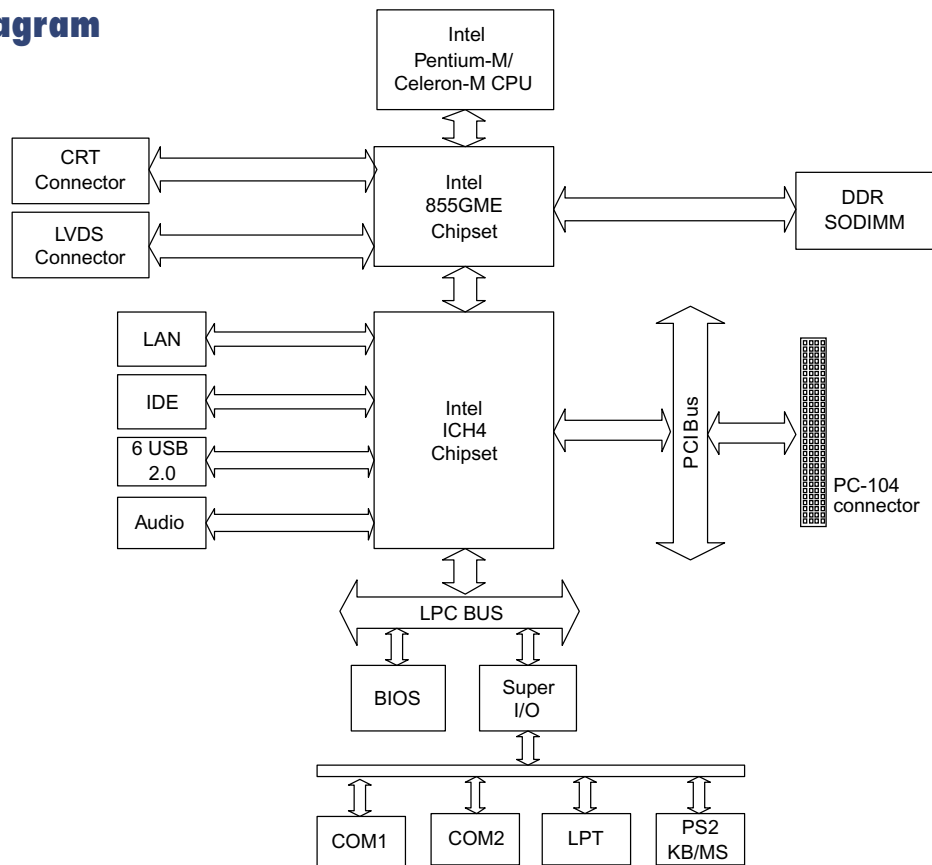
Power

- **Power Supply Voltage** ATX, +5 V $\pm$ 5%, +12 V $\pm$ 5% (Optional) (5 V only, 12 V optional for PC104 add on card and LCD inverter)
- **Power Consumption** Typical: +5 V @ 1.80 A (w/Celeron-M 600 MHz),
+5 V @ 2.30 A (w/Pentium-M 1.1 GHz)
+5 V @ 1.74 A (w/Pentium-M 1.1 GHz, SpeedStep function)
+5 V @ 2.64 A (w/Pentium-M 1.4 GHz)
Max. : +5 V @ 2.16 A (w/Celeron-M 600 MHz),
+5 V @ 3.68 A (w/Pentium-M 1.1 GHz)
+5 V @ 3.10 A (w/Pentium-M 1.4 GHz)

Packing List

- 1 x PCM-3380 SBC
- 1 x BATTERY 3V/210 mAh cable CR2032WK with Wire ASS'Y (p/n:1750129010)
- 1 x Y-Cable external cable (p/n:1703060053)
- 1 x IDE cable (p/n:1701440350)
- 1 x Wire ATX power (p/n:1703200380)
- 1 x Ethernet RJ-45 Conn.conversion cable (p/n:1701100202)
- 1 x KB / MOUSE Y-cable (p/n:1700060202)
- 1 x COM port cable (p/n:1701200220)
- 1 x USB Cable (p/n:1700000897)
- 1 x VGA cable (p/n:1700000898)
- 1 x LPT port cable (p/n:1700000916)
- 1 x 44-pin to 40pin IDE cable (p/n:1701440504)
- 1 x Audio cable (Line-in, Line-out, Mic-in) (p/n:1700000918)

Board Diagram



Ordering Information

Part No.	CPU	L2 Cache	Chipset	CRT	LVDS	10/100	USB2.0	RS-232	LPT	CF	KB/MS	PCI-104 connector	PC/104 connector	Thermal Solution	Operation Temp.
PCM-3380F-S4A2E	LV Pentium M 1.4 GHz	2 MB	855 GME	Yes	36-bit	1	6	2	Yes	Yes	Yes	Yes	--	Passive	0 ~ 60° C
PCM-3380F-S1A2E	Pentium M 1.6 GHz	1 MB	855 GME	Yes	36-bit	1	6	2	Yes	Yes	Yes	Yes	--	Active	0 ~ 60° C
PCM-3380F-S0A2E	LV Pentium M 1.1 GHz	1 MB	855 GME	Yes	36-bit	1	6	2	Yes	Yes	Yes	Yes	--	Passive	0 ~ 60° C
PCM-3380F-M0A2E	ULV Celeron M 600 MHz	512 KB	855 GME	Yes	36-bit	1	6	2	Yes	Yes	Yes	Yes	--	Passive	0 ~ 60° C
PCM-3380Z-S0A2E	LV Pentium M 1.1 GHz	1 MB	855 GME	Yes	36-bit	1	6	2	Yes	Yes	Yes	Yes	--	Passive	-20 ~ 80° C
PCM-3380Z-M0A2E	ULV Celeron M 600 MHz	512 KB	855 GME	Yes	36-bit	1	6	2	Yes	Yes	Yes	Yes	--	Passive	-20 ~ 80° C
PCM-3380Z-S4A2E	LV Pentium M 1.4 GHz	2 MB	855 GME	Yes	36-bit	1	6	2	Yes	Yes	Yes	Yes	--	Passive	-20 ~ 80° C

Optional Accessories

- IDE 40pin to 44pin module

(p/n:PCM-063-00A1)