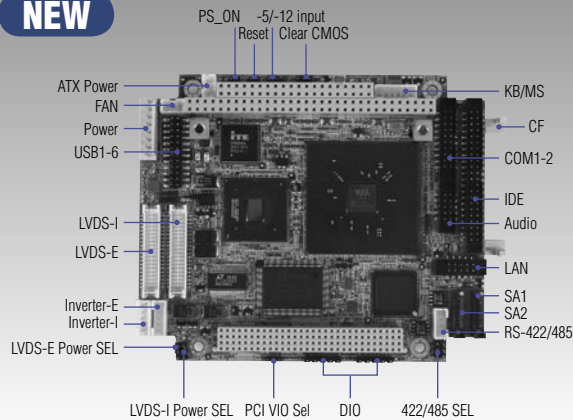


PCM-3372

VIA Eden™ (V4) + CX700 PC/104-Plus CPU Module

NEW



Features

- VIA Eden™ (V4) 400/600 MHz and ULV1.0 GHz processor; VIA C7 2.0 GHz processor
- Supports DDR2 memory
- Supports 10/100 Base-T Ethernet
- 48-bit TFT LCD LVDS interface
- Supports one RS-232, one RS-232/422/485, and six USB 2.0 ports
- PC/104 and PC/104-Plus expansion connector
- Support audio function compliant with HD
- Support for CompactFlash® card type I

Specifications

General

- **CPU** VIA Eden (V4) processor for 400/600 MHz and ULV1.0 GHz; VIA C7 2.0 GHz processor
- **2nd Cache Memory** 128 KB on Processor
- **System Chipset** VIA CX700
- **BIOS** AWARD® 4 Mbit Flash BIOS
- **System Memory** 200-pin SODIMM socket, supports DDR2 SDRAM, to 128/256/512/1024Mb. DDR2 533/400 SDRAM
- **Power Management** ACPI supported, APM1.2
- **SSD** Supports CompactFlash Card Type I
- **Watchdog Timer** 255 levels interval timer, setup by software.
- **Expansion Interface** 104-pin 16-bit PC/104 module connector and 120-pin PCI PC/104-Plus module connector
- **Battery** Lithium 3 V/196 mAh

I/O

- **I/O Interface** 1 x EIDE, 1 x RS-232/422/485, 1 x RS232, 1 x K/B, 1 x Mouse, 2 x SATA
- **USB** 6 x USB 2.0
- **Audio** Supports HD Audio stereo sound
- **GPIO** 8-bit general purpose (4 Input/4 Output)

Ethernet

- **Chipset** Intel 82551ER
- **Speed** 10/100Base-T
- **Interface** 1 x internal box header

Display

- **Chipset** VIA CX700
- **Memory Size** Optimized Shared Memory Architecture, supports 64 MB frame buffer using system memory
- **Resolution** CRT display Mode
pixel resolution up to
1920 x 1440 x 32 bpp at 85 Hz
1600 x 1200 x 16 bpp at 100 Hz and,
up to 1024 x 768 x 32 bpp at 60 Hz for TFT LCD
LCD Interface
24/48 bit LVDS interface
Dual Independent Display
CRT + LVDS, LVDS+LVDS (optional)

Mechanical and Environmental

- **Dimension (L x W)** 96 mm x 115 mm
- **Weight** 0.162 kg (with heat sink)
- **Operating Temperature** 0 – 60° C (32 ~ 140° F)
- **Operating Humidity** 0% – 90% relative humidity, non-condensing

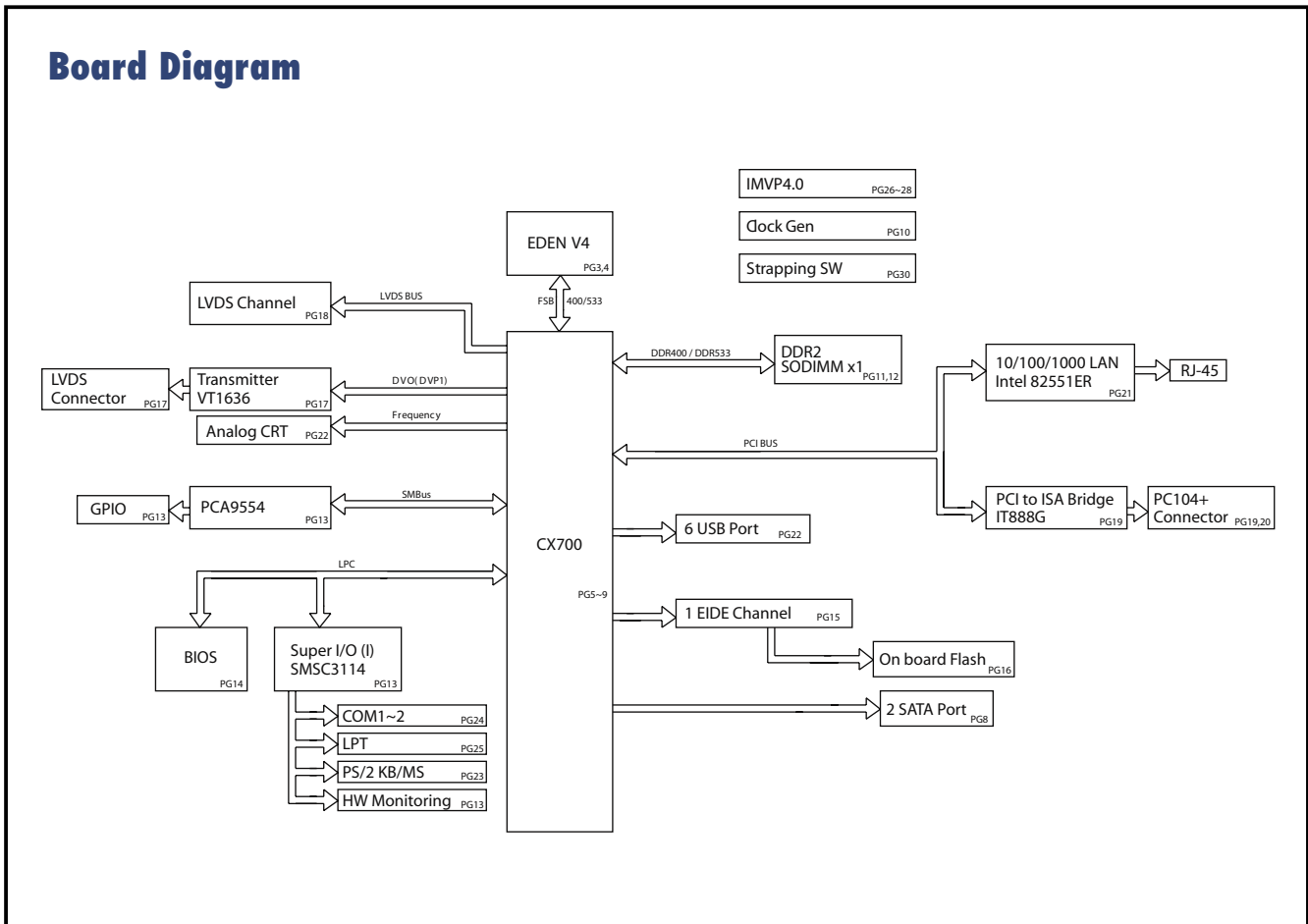
Power

- **Power Supply Voltage** AT/ATX, +5 V ± 5%, +12 V ± 5% (Optional) (5 V only, 12 V optional for PC104 add on card and LCD inverter)
- **Power Consumption** Typical: +5 V 1.45 A
+12 V 0.02 A
MAX: +5 V 2.63 A
+12 V 0.03 A
(Eden ULV1.0GHz with 512M RAM)

Packing List

- 1 x PCM-3372 SBC
- 1 x Wire AT Power cable (p/n:1703080104)
- 1 x Audio cable (p/n:1703100152)
- 1 x Wire ATX power (p/n:1703200380)
- 1 x Two COM cable (p/n:1701200180)
- 1 x RS-422/485 COM cable (p/n:1703040157)
- 1 x Keyboard/Mouse cable (p/n:1703060053)
- 1 x Y cable (for KB/MS extention) (p/n:1700060202)
- 1 x Ethernet RJ-45 Conn. conversion cable (p/n:1701100202)
- 1 x IDE cable (p/n:1701440350)
- 1 x VGA cable (p/n:1700000898)
- 1 x USB cable (bracket type with two USB ports) (p/n:1700000897)
- 1 x SATA cable (p/n:1700071000)
- 1 x Startup manual
- 1 x CD-ROM (Manual, Driver, Utility)

Board Diagram



Ordering Information

Part No.	CPU	Chipset	L2 Cache	CRT	TTL	LVDS	10/100	USB2.0	RS-232	RS-232/422/485	LPT/KB/MS	SATA	CF	Audio	PC/104+ connector	Thermal Solution	Operation Temp.	Embedded OS
PCM-3372F-J0A1E	VIA Eden (V4) 400 MHz	CX700	128 KB	Yes	--	48-bit	1	6	1	1	Yes	2	Yes	Yes	Yes	Passive	0 ~ 60° C	optional
PCM-3372F-M0A1E	VIA Eden (V4) 600 MHz	CX700	128 KB	Yes	--	48-bit	1	6	1	1	Yes	2	Yes	Yes	Yes	Passive	0 ~ 60° C	optional
PCM-3372F-S0A1E	VIA Eden (V4) ULV 1.0 GHz	CX700	128 KB	Yes	--	48-bit	1	6	1	1	Yes	2	Yes	Yes	Yes	Passive	0 ~ 60° C	optional
PCM-3372F-U0A1E	U0A1E VIA C7 2.0GHz	CX700	128 KB	Yes	--	48-bit	1	6	1	1	Yes	2	Yes	Yes	Yes	Passive	0 ~ 60° C	optional