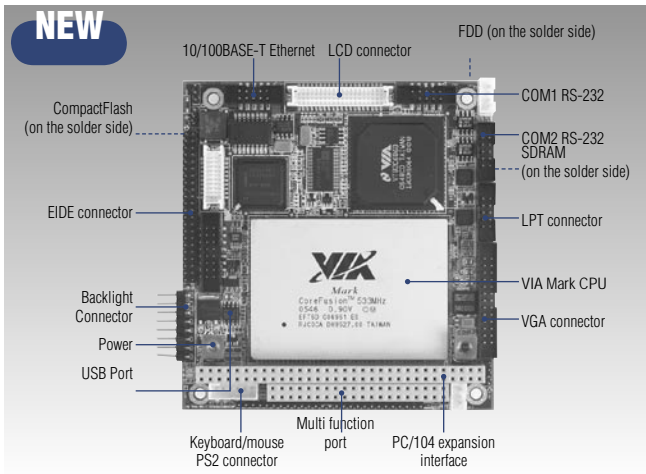


# PCM-3375

## VIA® “Mark” CoreFusion™ Module with VGA/LCD, Ethernet & SSD



### Specifications

#### General

- **CPU** Embedded low power onboard VIA “Mark” processor  
VIA “Mark” 533 MHz processor (PCM-3375F-M0A1)  
VIA “Mark” 800 MHz processor (Optional)
- **1st Cache Memory** 64 KB
- **System Chipset** VIA VT82C686B
- **BIOS** AWARD® 256 KB Flash BIOS
- **System Memory** 144-Pin SODIMM x 1, 8/16/32/64/128/256 MB SDRAM
- **Power Management** APM 1.2
- **SSD** CompactFlash Card
- **Watch Dog Timer** Software enable/disable 1.6 sec (Optional flexible interval available)
- **Expansion Interface** PC/104
- **Battery** Lithium 3 V/196 mA

#### I/O

- **I/O Interface** 1 EIDE, 1 FDD, 1 K/B, 1 mouse, 2 RS232, 1 LPT
- **USB** 2 x USB 1.1, Open HCI compliant
- **IrDA** 1 x 115 Kbps SIR, IrDA 1.0 compliant

#### Ethernet

- **Chipset** Intel® 82551ER
- **Interface** IEEE 802.3 10 Base-T, IEEE 802.3u 100 Base-TX Fast Ethernet Compatible  
Built-in boot ROM in Flash BIOS (82551)

#### Display

- **Chipset** VIA “Mark” CoreFusion™ processor
- **Memory Size** 8/16/32 MB frame buffer shares the system memory
- **Resolution** CRT display mode  
pixel resolution up to 1600 x1200 x 16 bpp  
LVDS display Mode  
up to SXGA (1400 x 1050) panel resolution
- **LCD Interface** Supports 2 channel (2 x 18-bit) LVDS LCD Panel

### Features

- VIA® “Mark” CoreFusion™ 533 MHz Processor
- Supports CompactFlash SSD solution
- Simple, reliable fanless operation
- 10/100BASE-T Fast Ethernet
- 36-bit TFT LCD support
- Extended temperature ready (optional)

#### Mechanical and Environmental

- **Dimension (L x W)** 96 x 90 mm (3.8" x 3.5")
- **Weight** 0.097 kg (0.214 lb)
- **Operating Temperature** 0 – 60° C (32 – 104° F), operation
- **Operating Humidity** 0% – 90% relative humidity, non-condensing

#### Power

- **Power Supply Voltage** AT/ATX, +5 V ±5%, +12 V ±5%, or supports single +5 V power only

### Packing List

- 1 x PCM-3375 SBC
- 1 x KB/Mouse Y-cable EXT cable (p/n:1700000533)
- 1 x KB/Mouse Y-cable (2 PS/2) (p/n:1700060202)
- 1 x 26-34 Pin FDD adapter (p/n:9681000044)
- 1 x VGA cable (p/n:1701160150)
- 1 x Ethernet RJ-45 connector conversion cable 20 cm (p/n:1701100202)
- 1 x IDE (HDD) cable (p/n:1701440350)
- 1 x COM port cable 25 cm (p/n:1700100250)
- 1 x LPT port cable (p/n:1700260250)
- 1 x FFC Cable for Slim FDD (p/n:1701260125)
- 1 x Flat Cable for 5.25" & 3.5" FDD (p/n:1701340700)
- 1 x Start up manual
- 1 x CD-ROM (Manual, Driver, Utility)

1  
System On Modules

2  
PC/104 Modules

3  
Single Board Computers

4  
Slot CPU Cards

5  
Industrial Motherboards

6  
Embedded Box Computers

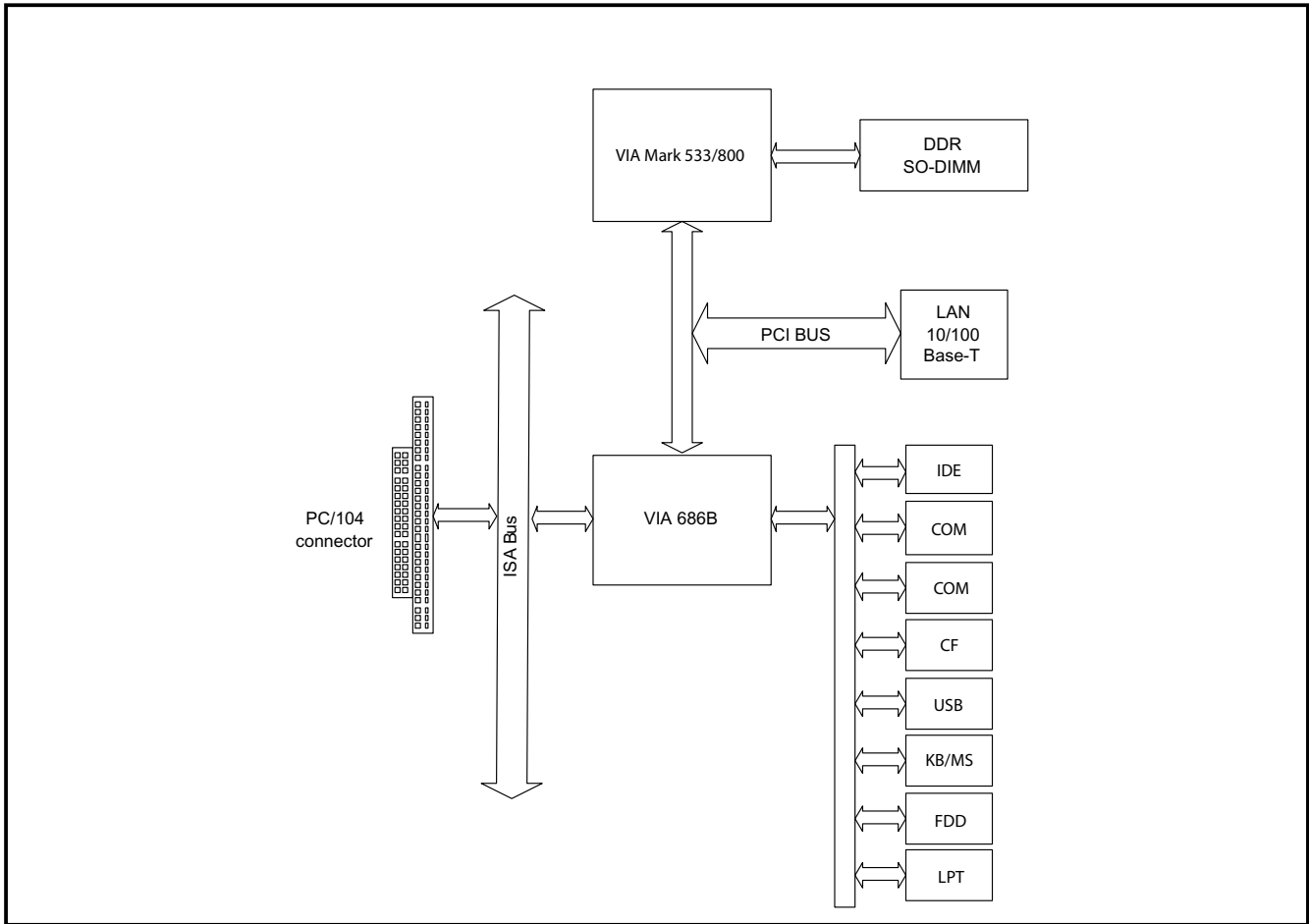
7  
Panel PCs

8  
Ubiquitous Computing

9  
Digital Storage & Display Solutions

10  
Vehicle Mounted Computing Platforms

11  
Medical Computing Platforms



## Ordering Information

| Part No.        | CPU              | Chipset   | CRT | TTL    | LVDS      | 10/100 | USB 1.1 | RS-232 | RS-422/485 | LPT | FDD     | CF  | KB/MS | PCI-104 connector | PC/104 connector | Thermal Solution | Operation Temp. | Embedded OS |
|-----------------|------------------|-----------|-----|--------|-----------|--------|---------|--------|------------|-----|---------|-----|-------|-------------------|------------------|------------------|-----------------|-------------|
| PCM-3375F-M0A1E | VIA Mark 533 MHz | VT82C686B | Yes | 24-bit | 2x 18-bit | 1      | 2       | 1      | 1          | Yes | *Option | Yes | Yes   | --                | Yes              | Passive          | 0 - 60°C        | --          |