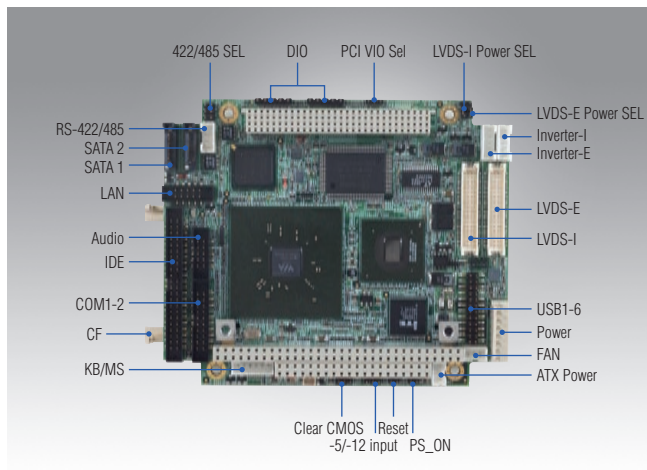


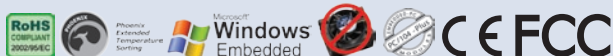
PCM-3372

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



Features

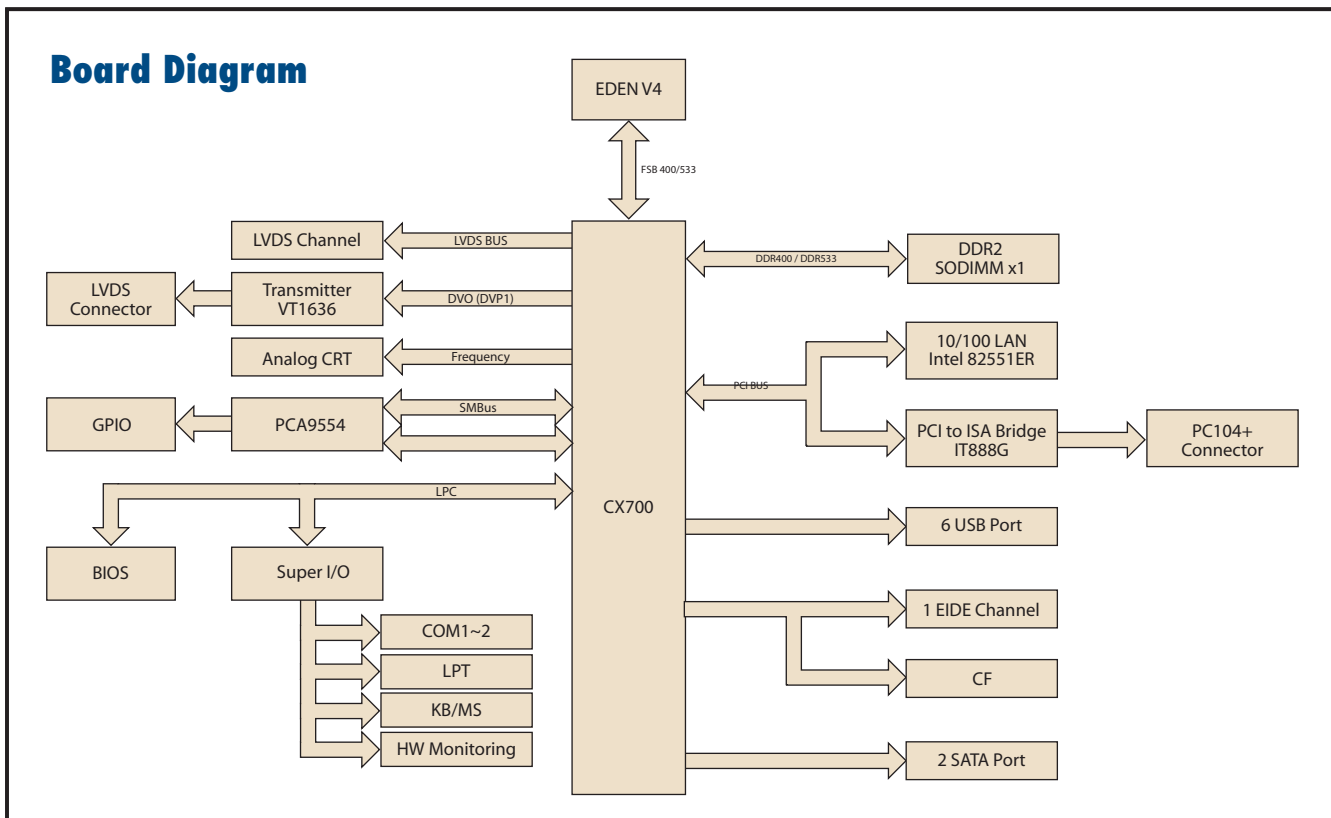
- VIA Eden™ (V4) 400/600 MHz and ULV 1.0 GHz processor
- Supports DDR2 memory
- Supports 10/100 Mbps Ethernet
- Dual 48-bit TFT LCD LVDS interface
- Supports one RS-232, one RS-232/422/485, and six USB 2.0 ports
- PC/104 and PC/104-Plus expansion connector
- Supports HD compliant Audio
- Support for CompactFlash card Type I



Specifications

| | | | | |
|--------------------------|---|--|------------------|----------------|
| Processor System | CPU | VIA Eden (V4) 400 MHz | VIA Eden 600 MHz | VIA Eden 1 GHz |
| | L2 Cache | 128 KB | 128 KB | 128 KB |
| | Chipset | VIA CX700 | VIA CX700 | VIA CX700 |
| | BIOS | Award 4-Mbit | Award 4-Mbit | Award 4-Mbit |
| Memory | Technology | DDR2 400/533 MHz | | |
| | Max. Capacity | 1 GB | | |
| | Socket | 1 x 200-pin SODIMM | | |
| SSD | CompactFlash | Card Type I | | |
| I/O Interface | RS-232 | 1 | | |
| | RS-232/422/485 | 1 | | |
| | K/B | 1 | | |
| | Mouse | 1 | | |
| | USB | 6 x USB 2.0 | | |
| | Audio | HD Audio stereo sound | | |
| | GPIO | 8-bit general purpose (4 Input/4 Output) | | |
| EIDE | Mode | UDMA 33/66 | | |
| | Channel | 1 | | |
| SATA | Max. Data Transfer Rate | 150 | | |
| | Channel | 2 | | |
| Expansion Slot | PCI/104-Plus | 1 | | |
| Ethernet | Speed | 10/100 Mbps | | |
| | Controller | Intel 82551ER | | |
| | Interface | 1 x RJ-45 by cable | | |
| Display | Controller | VIA CX700 | | |
| | VRAM | Optimized Shared Memory Architecture up to 64 MB system memory | | |
| | LVDS LCD | 2 x 48-bit LVDS | | |
| Environment | Dual Independent Display | CRT + LVDS, LVDS+LVDS | | |
| | Operating Temperature | 0 ~ 60° C (32 ~ 140° F) | | |
| | Operating Humidity | 0% ~ 90% relative humidity, non-condensing | | |
| Power | Power Type | AT / ATX | | |
| | Power Supply Voltage | AT: 5V only to boot up (12 V is optional for LCD inverter and add on card) ATX: 5V, 12V | | |
| | Power Consumption: Typical (WinXP Idle Mode) | Typical: +5 V, 1.45 A; +12 V, 0.02 A | | |
| | Power Consumption: Max, Test in HCT | Max: +5 V, 2.63 A; +12 V, 0.03 A (Eden ULV 1.0 GHz with 512 MB RAM) | | |
| | Power Management | ACPI supported, APM1.2 | | |
| Watchdog Timer | Battery | Lithium 3 V / 210 mAh | | |
| | Output | System reset | | |
| Physical Characteristics | Interval | Programmable 1 ~ 255 sec | | |
| | Dimensions (L x W) | 96 x 115 mm (3.8" x 4.5") | | |
| | Weight | 0.162 kg (0.357 lb) | | |

Board Diagram



Ordering Information

| Part No. | CPU | Chipset | L2 Cache | CRT | TTL | LVDS | LAN | USB2.0 | RS-232 | RS-232/422/485 | LPT/KB/MS | SATA | CF | Audio | PC/104+ connector | Thermal Solution | Operating Temp. | Embedded OS |
|-----------------|---------------------------|---------|----------|-----|-----|------------|------|--------|--------|----------------|-----------|------|-----|-------|-------------------|------------------|-----------------|-------------|
| PCM-3372F-J0A1E | VIA Eden (V4) 400 MHz | CX700 | 128 KB | Yes | - | 2 x 48-bit | 1 FE | 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 | - | 2 x 48-bit | 1 FE | 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 | - | 2 x 48-bit | 1 FE | 6 | 1 | 1 | Yes | 2 | Yes | Yes | Yes | Passive | 0 ~ 60° C | optional |

Packing List

| Part No. | Description | Quantity |
|------------|---|----------|
| | PCM-3372 SBC | 1 |
| 1703080104 | Wire AT Power cable | 1 |
| 1703100152 | Audio cable | 1 |
| 1703200380 | Wire ATX power | 1 |
| 1701200220 | Two COM cable | 1 |
| 1703040157 | RS-422/485 COM cable | 1 |
| 1703060053 | Keyboard/Mouse cable | 1 |
| 1700060202 | Y cable (for KB/MS extension) | 1 |
| 1701100202 | Ethernet RJ-45 Conn. conversion cable | 1 |
| 1701440350 | IDE cable 44P/44P/44P | 1 |
| 1700000898 | VGA cable | 1 |
| 1700000897 | USB cable (bracket type with two USB ports) | 1 |
| 1700071000 | SATA cable | 1 |
| 1700260250 | LPT Cable | 1 |
| | Startup manual | 1 |
| | CD-ROM (Manual, Driver, Utility) | 1 |