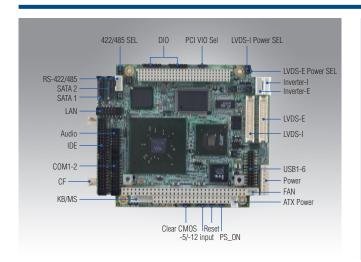
# **PCM-3372**

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



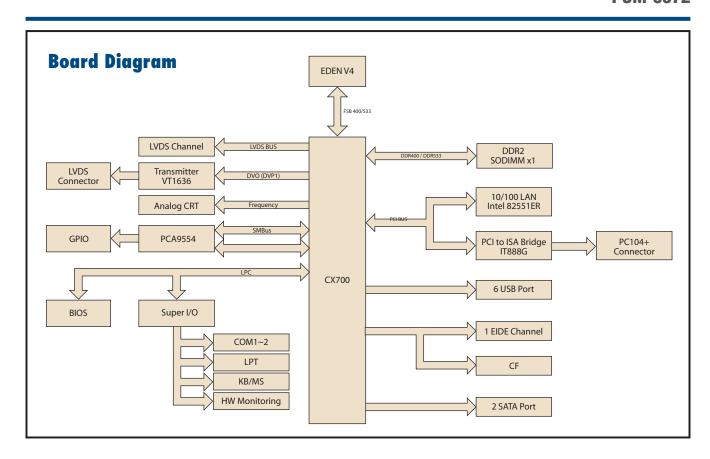
#### **Features**

- VIA Eden<sup>™</sup> (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**

| •                        |                           |                                    |   |                |
|--------------------------|---------------------------|------------------------------------|---|----------------|
|                          | CPU                       | VIA Eden (V4) 400 MHz              | VIA Eden 600 MHz                          | VIA Eden 1 GHz |
| Processor System         | 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   |
|                          | Technology                | DDR2 400/533 MHz                   |   |                |
| Memory                   | Max. Capacity             | 1 GB                               |   |                |
|                          | Socket                    | 1 x 200-pin SODIMM                 |   |                |
| SSD                      | CompactFlash              | Card Type I                        |   |                |
| 002                      | RS-232                    | 1                                  |   |                |
|                          | RS-232/422/485            | 1                                  |   |                |
|                          | K/B                       | 1                                  |   |                |
| I/O Interface            | Mouse                     | 1                                  |   |                |
| i, o mondo               | USB                       | 6 x USB 2.0                        |   |                |
|                          | Audio                     | HD Audio stereo sound              |   |                |
|                          | GPI0                      | 8-bit general purpose (4 Input/4 ( | Outnut)                                   |                |
|                          | Mode                      | UDMA 33/66                         |   |                |
| EIDE                     | Channel                   | 1                                  |   |                |
| SATA                     | Max. Data Transfer Rate   | 150                                |   |                |
|                          | Channel                   | 2                                  |   |                |
| Expansion Slot           | PCI/104-Plus              | 1                                  |   |                |
| Expansion olot           | Speed                     | 10/100 Mbps                        |   |                |
| Ethernet                 | Controller                | Intel 82551ER                      |   |                |
| Linornot                 | Interface                 | 1 x RJ-45 by cable                 |   |                |
|                          | Controller                | VIA CX700                          |   |                |
|                          | VRAM                      |                                    | ecture up to 64 MB system memory          |                |
| Display                  | LVDS LCD                  | 2 x 48-bit LVDS                    | social of the of this officer, morners    |                |
|                          | Dual Independent Display  | CRT + LVDS, LVDS+LVDS              |   |                |
|                          | Operating Temperature     | 0 ~ 60° C (32 ~ 140° F)            |   |                |
| Environment              | Operating Humidity        | 0% ~ 90% relative humidity, non-   | -condensing                               |                |
|                          | Power Type                | AT / ATX                           | oondonong                                 |                |
| Power                    | 71                        |                                    | otional for LCD inverter and add on card) |                |
|                          | Power Supply Voltage      | ATX: 5V. 12V                       |   |                |
|                          | Power Consumption:        | - ,                                |   |                |
|                          | Typical (WinXP Idle Mode) | Typical: +5 V, 1.45 A; +12 V, 0.02 |   |                |
|                          | Power Consumption:        |                                    |   |                |
|                          | Max, Test in HCT          | Max: +5 V, 2.63 A; +12 V, 0.03 A   |   |                |
|                          | Power Management          | ACPI supported, APM1.2             |   |                |
|                          | Battery                   | Lithium 3 V / 210 mAH              |   |                |
|                          | Output                    | System reset                       |   |                |
| Watchdog Timer           | Interval                  | Programmable 1 ~ 255 sec           |   |                |
| 51 1 101 · · · · ·       | Dimensions (L x W)        | 96 x 115 mm (3.8" x 4.5")          |   |                |
| Physical Characteristics | Weight                    | 0.162 kg (0.357 lb)                |   |                |
|                          |                           | 552 Ng (0.001 lb)                  |   |                |



# **Ordering Information**

| Part No.        | CPU                          | Chipset | L2<br>Cache | CRT | TTL | LVDS       | LAN  | USB2.0 | RS-232 | RS-232/<br>422/485 | LPT/KB/<br>MS | SATA | CF  | Audio | PC/104+<br>connector | Thermal Solution | Operating Temp. | Embedded<br>OS |
|-----------------|------------------------------|---------|-------------|-----|-----|------------|------|--------|--------|--------------------|---------------|------|-----|-------|----------------------|------------------|-----------------|----------------|
| PCM-3372F-J0A1E | VIA Eden (V4)<br>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)<br>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)<br>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        |