

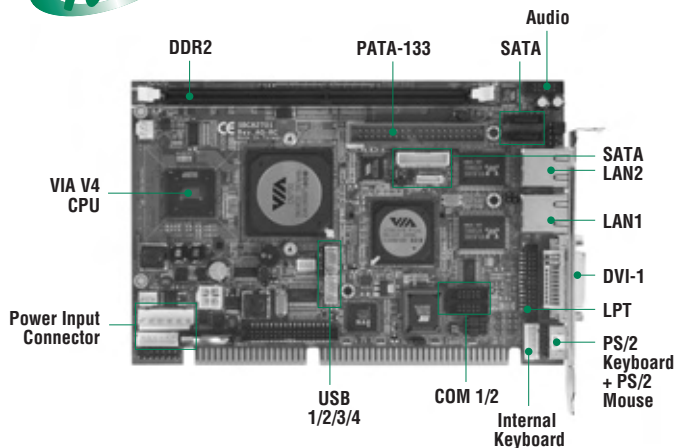
# SBC82701

ISA VIA V4 CPU Card with DualView, Dual Fast Ethernet and SATA

# 6

Embedded Computing Platforms

**New**



- Socket 478
- Dual Ethernet
- CRT/LCD/DVI
- PCI
- CompactFlash™
- 4 USB
- 2 COM

## Features

- ▶ Low power fanless V4 Eden/C7 processor
- ▶ DualView with different content & resolution
- ▶ DVI-I and LVDS display supported
- ▶ Dual Fast Ethernet supported

## System

CPU	VIA V4 compliant Eden/C7 processor
System Memory	1 x 240-pin DDR2 DIMM max. up to 1GB
Chipset	VIA CN700+VT8237R PLUS+ITE8888G
BIOS	Phoenix-Award 4Mbit with RPL/PXE LAN Boot ROM, SmartView and Customer CMOS Backup
SSD	CompactFlash™ Type-II Socket
Watchdog Timer	Reset supported; 255 levels
Battery	Lithium 3V/196 mAH
Size	185 x 122 mm
Temperature	0~60°C, operation
Operation Humidity	10% ~ 95% relative humidity, non-condensing

## I/O

MIO	1 x SATA-150 IDE, 1 x PATA-100 IDE, 1 x FDD, 1 x PS/2 K/B + MS, 2 x COM (1 x RS-232/422/485 & 1 x RS-232), 1 x IrDA
SMBus	System Management Bus for advanced monitoring/control interface
Ethernet	Onboard two Realtek RTL8100C Fast Ethernet controller; optional with RTL8110S for Gigabit Ethernet
Audio	AC'97 Codec Audio
USB	4 USB 2.0 ports via box-header for wiring solution

## Display

Chipset	Integrated in VIA CN700
Memory Size	Max. up to 64MB frame buffer sharing system memory
Resolution	* Single Display Mode: CRT: 1600 x 1200; LVDS LCD: 1600 x 1200; DVI: 1600 x 1200 * DualView Mode: CRT: 1600 x 1200; LVDS LCD: 1600 x 1200; DVI: 1600 x 1200
Output Interface	* DVI-I connector for both DVI and CRT output * LVDS LCD with 40-pin Hirose connector and inverter control interface

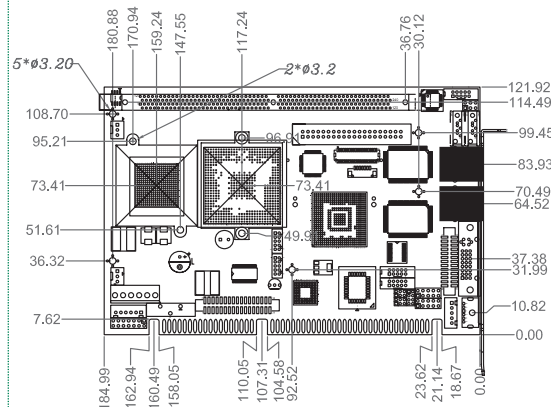
## Packing List

Quick installation guide  
Manual, driver, Utility CD and Cable Kit (1 x SATA cable, 1 x 44-pin IDE, 2 x COM port cables, 2 x USB cables, 1 x Audio cable, DVI-to-CRT adapter)

## Ordering Information

Standard	
SBC82701VEEA-400	With V4 Eden 400MHz CPU, DVI-I/LVDS LCD, Dual Fast Ethernet, AC'97 Audio and 2 COM ports
SBC82701VEEA-1GE	With V4 Eden 1GHz CPU, DVI-I/LVDS LCD, Dual Fast Ethernet, AC'97 Audio and 2 COM ports
Optional	
SBC82701VEEA-600	With V4 Eden 600MHz CPU, DVI-I/LVDS LCD, Fast Ethernet, AC'97 Audio and 2 COM ports
SBC82701VEEA-1.5G V4 C7	1.5GHz SBC with DVI-I/LVDS LCD, Dual Fast Ethernet, AC'97 Audio and 2 COM ports

## Dimensions



\* All specifications and photos are subject to change without notice.

ECP Services and Solutions

Computer-On-Modules Solutions

Mini ITX SBC

3.5" Capa Boards

EPIC Boards

5.25" Petit Boards & Accessories

Half-size CPU Cards, Backplanes

PCI104 Modules

Mini PCI Modules

Embedded eBOX Systems & MicroBoxes

Power Supplies

Appendix