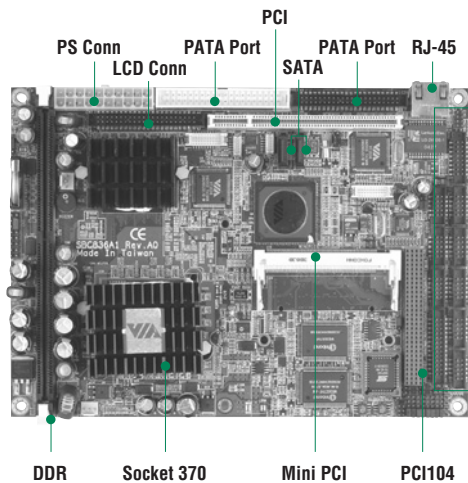


# SBC836A1

EBGA Embedded SBC with DualView, 4 COM and SATA-150

# 5

Embedded Computing Platforms



- CRT
- KB+MS
- Audio
- USB 1/2
- USB 3/4
- COM1
- COM4
- COM2
- LPT
- COM3

- Eden
- Ethernet
- DualView
- AC'97 Audio
- PCI104+& Mini PCI
- PCI
- 4 COMs



## Features

- ▶ Fanless Eden CPU family onboard
- ▶ DualView with different content & resolution
- ▶ 4 COM ports for transaction terminal applications
- ▶ PATA-133, Serial ATA-150 supported
- ▶ PCI, PCI104 and Mini PCI expansion interfaces

## Packing List

- Quick installation guide
- Manual, driver & utility CD

## Ordering Information

Standard	
SBC836A1VEA-667	Eden 667MHz SBC with CRT/TFT LCD, Fast Ethernet (RTL8100C), AC'97 Audio, and 4 COM ports
SBC836A1VEA-1GE	Eden 1GHz SBC with CRT/TFT LCD, Fast Ethernet (RTL8100C), AC'97 Audio, and 4 COM ports
Optional	
SBC836A1VLEA-1G	Eden 1GHz SBC with CRT/Dual LVDS LCD, Fast Ethernet (RTL8100C), AC'97 Audio and 4 COM ports
SBC836A1VEA-400	Eden 400MHz SBC with CRT/TFT LCD, Fast Ethernet (RTL8100C), AC'97 Audio, and 4 COM ports
CK9A001	1x PS/2 KB-MS cable 1x Y-type PS/2 KB+MS adapter 1x CRT cable
CK9A002	1 x 44pin-to-44 & 40-pin IDE cable 1 x 40pin-to-40pin DMA66/100 IDE cable, 2 x SATA-150 cable 1 x 26pin FDD cable 1 x 26pin FDD Reverse cable 2 x COM cable 1 x LPT Cable
CK9A003	1 x Audio cable with game port 4 x USB 2.0 cable

## System

CPU	VIA Eden CPUs 400/667/800/1GHz with 100/133MHz FSB
System Memory	1 x 184-pin DDR DIMM max. up to 1GB
Chipset	VIA CLE266 + VT8237
BIOS	Phoenix-award 4Mbit with RPL/PXE LAN boot ROM, SmartView and customer CMOS backup
SSD	CompactFlash™ type-II socket with DMA supported
Watchdog Timer	Reset supported; 255 levels, 0~255 second
Expansion Interface	PCI expansion slot for 2 PCI masters Mini PCI type-III socket PCI104 interface
Battery Lithium	3V/196 mAH
Size	203 x 146 mm
Temperature	0~60°C, operation
Operation Humidity	10% ~ 95% relative humidity, non-condensing

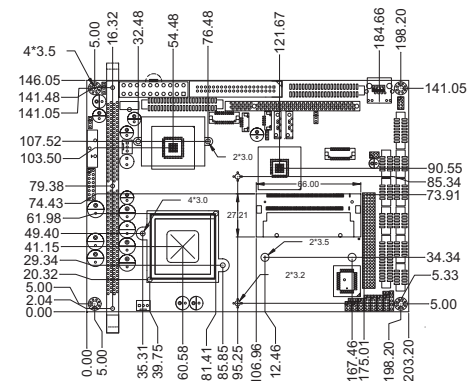
## I/O

MIO	2 x PATA-133 IDE, 2 x SATA-150 IDE, 1 x FDD, 1 x PS/2 K/B, 1 x PS/2 MS, 4 x COM (3 x RS-232, 1 x RS-232/422/485), with auto flow control 1 x LPT, 1 x IrDA
Ethernet Realtek	RTL8100C Fast Ethernet controllers; optional with RTL8110S Gigabit Ethernet
Audio	AC'97 Codec Audio
USB	4 x USB 2.0 port via box-header for wiring solution

## Display

Chipset	Integrated in VIA CLE266 North Bridge controller
Memory Size	Max. up to 64MB frame buffer sharing system memory
Resolution	Single Display Mode: CRT: 1400 x 1050; LCD: 1280 x 1024 DualView Mode: CRT: 1400 x 1050; LCD: 1280 x 1024
Output Interface	CRT connector for DAC output LCD interface for TTL up to 24-bit TFT LCD LCD interface for LVDS up to 18-bit TFT LCD Optional 2 <sup>nd</sup> LVDS LCD

## Dimensions



\* All the specifications and photos are subjected to be changed without notice.

ECP Services and Solutions

STX SoM & Baseboards

Mini ITX and LPX SBCs

3.5" Capa Boards

EPIC Boards

5.25" Petit Boards & Accessories

Half-size CPU Cards, Backplanes

PCI104 & Mini PCI Modules

Embedded eBOX System & MicroBox

Power Supply

Appendix