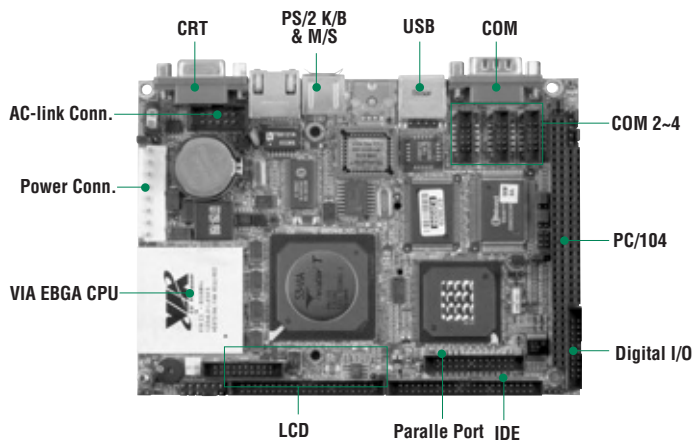


# SBC84600

VIA Eden/C3 Embedded SBC with 4 COM

3

Embedded Computing Platforms



- Ethernet
- CRT/LCD
- AC'97 Audio
- CompactFlash™
- PC/104
- 4 COM



## Features

- ▶ Ultra low power VIA Eden/C3 processor onboard
- ▶ CRT and LCD supported
- ▶ 10/100Base-T Ethernet
- ▶ AC-Link interface for external audio
- ▶ 4 COM ports
- ▶ +5V only single voltage DC-in supported

## Packing List

- Quick installation guide
- Manual, driver & utility CD
- Standard cable kit (1 x 8-pin power adapter, 1 x 44-pin IDE, 3 x COM ports, 1 x printer)

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

PC/104 Modules

Mini PCI Modules

Embedded eBOX Systems & MicroBoxes

Power Supplies

Appendix

## System

CPU	ULP/LP VIA Eden/C3 processor onboard
System Memory	1 x SDRAM SODIMM, max. up to 512MB
Chipset	VIA VT8606 (Twister-T) + 82C686B
BIOS	Phoenix-Award 4Mbit with RPL/PXE LAN boot ROM, SmartView and customer CMOS backup
SSD	CompactFlash™ Socket Type-II
Watchdog Timer	0.5~1600 sec with 64 levels; system reset or NMI
Expansion Interface	PC/104 for 16-bit ISA
Battery	Lithium 3V/196 mAH
Size	146 x 104 mm
Temperature	0~60°C, operation
Operation Humidity	10% ~ 95% relative humidity, non-condensing

## I/O

MIO	1 x ATA-100 IDE, 1 x FDD, 1 x K/B + M/S, 3 x RS-232, 1 x RS-232/422/485, 1 x LPT, 1 x IrDA
Ethernet	Realtek RTL8100C, 10/100Base-T with WOL
Audio	AC-Link interface for AC'97 Audio Codec kit (AX93102)(SBC84600VEA)
USB	2 USB 1.1a ports
Digital I/O	8 channel IN and 8 channel OUT

## Display

Chipset	VIA Twister chip with integrated S3 Pro Savage4 2D/3D/Video accelerator
Memory Size	8/16/32MB frame buffer sharing system memory
Resolution	*CRT mode: 1280 x 1024 @ 16bpp (60Hz), 1024 x 768 @ 16bpp (85Hz) *LCD/Simultaneous mode: 1280 x 1024 @ 16bpp (60Hz), 1024 x 768 @ 16bpp (60Hz), 1080 x 1024 @ 16bpp(60Hz)
LCD Interface	AGP-4X CRT/LCD interface, supports for 9, 12, 18, 24, 36-bit TFT

## Ordering Information

Standard	
SBC84600VE-400	With Eden 400MHz CPU, CRT/LCD, Fast Ethernet
SBC84600VE-667	With Eden 667MHz CPU, CRT/LCD, Fast Ethernet
SBC84600VE-800	With C3 800MHz CPU, CRT/LCD, Fast Ethernet
SBC84600VEA-400	With Eden 400MHz CPU, CRT/LCD, Fast Ethernet and Audio
SBC84600VEA-667	With Eden 667MHz CPU, CRT/LCD, Fast Ethernet and Audio
SBC84600VEA-800	With C3 800MHz CPU, CRT/LCD, Fast Ethernet and Audio
Optional	
SBC84600VEA-1GE	With Eden 1GHz CPU, CRT/LCD Fast Ethernet
E384600124	SBC84600-667 extended temperature -25~60°C
59381550010E	USB cable
PK8980	LCD kit for 18-bit TTL LCD with Hirose DF9-41P-1V connector
PK95000-24	LCD kit for 24-bit single channel LVDS
PK95000-48	LCD kit for 48-bit dual channel LVDS
Enclosure Options	
EM16115-70	Embedded MicroBox with 70W AC P/S
EM16115-43	Embedded MicroBox with 43W AC P/S
EM60321-60	Embedded MicroBox with 60W AC P/S

## Dimensions

