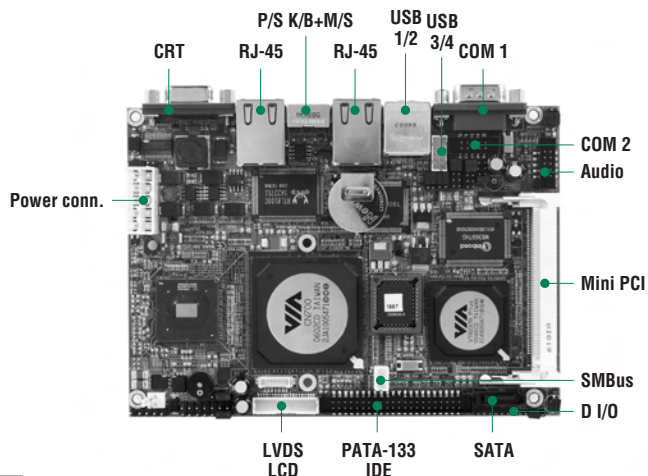


SBC84700

VIA V4 Embedded SBC with DualView, Dual Fast Ethernet and SATA

3

Embedded Computing Platforms



System

CPU	VIA V4 compliant Eden/C7 processor onboard
System Memory	1 x 200-pin DDR2 SODIMM max. up to 1GB
Chipset	VIA CN700+VT8237R PLUS
BIOS	Phoenix-Award 4Mbit with RPL/PXE LAN Boot ROM, SmartView and customer CMOS backup
SSD	CompactFlash™ type-II socket
Board	Board unique ID (optional)
Watchdog Timer	Reset supported; 255 levels
Expansion Interface	Mini PCI type-III socket for PCI Bus expansion
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

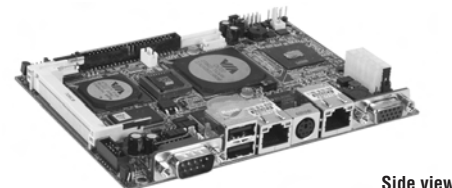
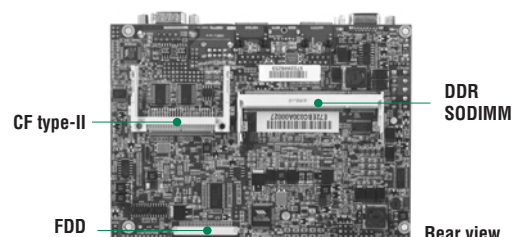
MIO	1 x SATA-150 IDE, 1 x PATA-133 IDE, 1 x FDD, 1 x PS/2 K/B + MS, 2 x COM (1 x RS-232/422/485 & 1 x RS-232)
Ethernet	* Onboard 1st LAN as Realtek RTL8100C Fast Ethernet controller; optional with RTL8110SL Gigabit Ethernet * Onboard 2nd Ethernet with RTL8139DL Fast Ethernet
Audio	AC'97 codec audio
USB	4 USB 2.0 ports via box-header for wiring solution
SMBus	System Management Bus for advanced monitoring/control interface
Digital I/O	3 channel IN and 5 channel OUT

Display

Chipset	Integrated in VIA CN700
Memory Size	Max. up to 64MB frame buffer sharing system memory
Resolution	* Standard mode: CRT: 1600 x 1200; LVDS LCD: 1600 x 1200
Output Interface	* CRT connector for DAC output * LVDS LCD via 40-pin Hirose connector and 7-pin Inverter connector

Features

- ▶ Low power fanless VIA V4 Eden/C7 processor onboard
- ▶ VIA CN700+VT8237R PLUS chipset
- ▶ DualView with different content & resolution
- ▶ Dual Fast Ethernet supported
- ▶ Mini PCI extension for PCI Bus expansion
- ▶ +5V only single voltage DC-in supported



Packing List

- Quick installation guide
- Manual, driver, utility CD and cable kit (refer to cable list in chapter 9)

Ordering Information

Standard	
SBC84700VEEA-500E	With V4 Eden 500 MHz CPU, CRT/LVDS LCD, Dual Fast Ethernet, AC'97 audio and 2 COM ports
SBC84700VEEA-1GE	With V4 Eden 1GHz CPU, CRT/LVDS LCD, Dual Fast Ethernet, AC'97 audio and 2 COM ports
Optional	
SBC84700VEEA-1.5G	With V4 C7 1.5GHz CPU, CRT/LVDS LCD, Dual Fast Ethernet, AC'97 audio and 2 COM ports



ECP Services and Solutions

System-on-a-Module Solutions

Mini ITX SBC

3.5" Capa Boards

EPIC Boards

5.25" Petit Boards

Half-size CPU Cards, Backplanes

PCI/104 Modules

Mini PCI Modules

Accessories

Remote Field Controllers

Embedded eBOX Systems & MicroBoxes

Power Supplies

Appendix