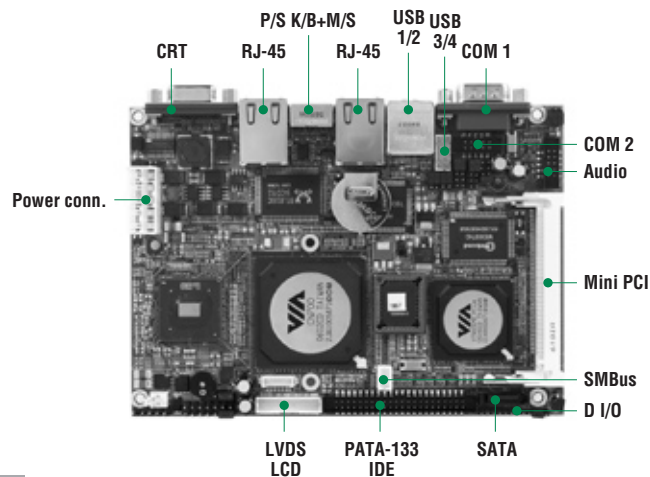


SBC84700

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

2

Single Board Computers



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 + M/S, 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 RTL8110SC 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



SBC Services and Solutions

System-on-a-Module Solutions

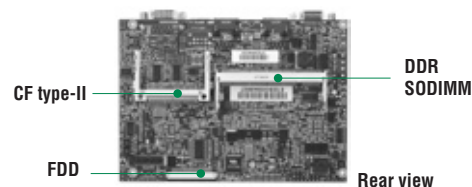
Embedded Single Board Computers

Industrial Motherboards

Slot CPU Cards

Accessories

Appendix



Rear view



Side view

Packing List

Standard				
Quick installation guide, manual, driver, utility CD				
Cable				
Part Number	Description	SBC84700 VEEA-1GE-RC Qty	SBC84700 VEEA-1.5G-RC Qty	SBC84700 VEEA-500E-RC Qty
59402010000E	ATX power cable 10P L=150mm	1	1	1
593826A0000E	SATA single cable 500mm 44-44-40 pin IDE cable	1	1	1
59484500010E	L=200mm+200mm	1	1	1
59382631000E	2 x USB 2.0 wafer cable w/ bracket L=180mm	1	1	1
59382620000E	COM port x 1w/ bracket, P=2.0 L=300mm	1	1	1
59384500100E	Audio cable w/ bracket P=2.0 L=450mm	1	1	1

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