



## CV863B

### On-Board 4 LAN / 2 PCMCIA / USB & D-SUB Pin Head NetWork Application with Flexible Extension Ability

#### Processor :

- . Supports VIA C3 376 PIN EPGA type front side bus 100/133 MHz
- . VIA Eden series Processor 400/533/667/733/800 speed
  - . Lowest Voltage / Power consumption 3W/5W/6W
  - . Integrated full-speed 192KB L1/L2 cache
  - . 133MHz Front side bus
- . Advanced multimedia instruction set for MMX ,3Dnow
- . VIA C3 series CPU 733/800MHz/1G Hz and Low power CPU.

#### System Chipset list :

- . MB chipset:VIA VT8623CE and VT8235(C5)
- . VGA chipset:VT8623 Integrated AGP CORE
- . Sound Chipset VIA VT1612A C97 2.2 SOUND
- . LAN: Intel 82540EM/82541GI/Realtek RTL8100C/RTL8110S Four type optional.
- . PCMCIA: Richo R5C486 Two PCMCIA TYPE II/III Chipset
- . I/O: VIA VT1211 I/O

#### Memory :

- . Supports PC 1600/2100 DDR DIMM
- . One Bank / One DIMM socket up to 512MB
- . Mixed 1M / 2M / 4M / 16M / 32M / 64M x N DRAMs

#### Graphic/Video:

- . Optimized Shared Memory Architecture and maximum share 64MB
- . Integrated 4x AGP, 128 bit. 3D graphics engine
- . MPEG 2/1 Video Decoder, high quality DVD video playback

- . Microsoft DirectX 7.0 and 8.0 compatible
- . Resolution up to 1366 x 768 x 32 bit color
- . VGA resolution support 16:9 Mode

**PCI Bus Master IDE :**

- . Dual channel master mode hard disk controller supporting four Enhanced IDE devices
- . Transfer rate up to 133MB/sec to cover PIO mode to 4 ,multi-word DMA mode 2 drivers,and UltraDMA-133 interface
- . Increased reliability using UltraDMA-133 / 100 /66 transfer protocols
- . Support ATAPI compliant devices including DVD device
- . Support PCI native and ATA compatibility modes
- . One 40pin 2.54mm and One 44pin 2.0mm two type connectors.
- . Support Compact Flash card type II for ATA interface.

**Sound :**

- . AC97 2.2 compliant
- . Support audio 2 channel

**USB :**

- . USB 2.0/1.1 Enhanced Host Controller Interface

**I/O :**

- . LPC (Low Pin Count) Interface
- . Supports Hardware Monitor Controller
- . One port 16C550 UARTs RS232 port support

**PCMCIA:**

- . Richo R5C486 PCMCIA Chipset compliant PCI with specification ver:2.2
- . Supports Two pcs card sockets
- . CardBus (Card-32) Card and 16-bit (PCMCIA 2.1 /JEIDA 4.2 )Card work at the Same time
- . Compliant with PC Card Standard Release 8.0 Specification
- . Compliant with i82365SL compatible register set / ExCA
- . Supports INTA# and INTB# for PC system interrupt.
- . Supports Serialized IRQ

**LAN (Option 1 : 3~4 x Realtek 10/100Mb-Default )**

**LAN (Option 2 : 3 x Intel 10/100/Giga bit)**

**Other function:**

- . One Compact Flash Reader for IDE BUS ATA type II spec
  - . One expend PCI rev:2.2 interface
- (Depend on PCI Riser Card can support max 1 PCI slots function)

**Power:**

- . 12V DC-IN

**Front Panel:**

- . Power switch
- . Power/HDD/LAN LED
- . Line-out / MIC-in and one USB2.0 port

**Back Panel:**

- . One DC 12V in power mini den jack
- . One DB-9PIN COM1 port
- . Four ports RJ45 LAN ports
- . Two ports PCMCIA sockets

**BIOS:**

- . Award BIOS version 6.1
- . Support DMI 2.0 function
- . ACPI v1.0 compliant
- . APM v1.2 compliant
- . Windows 9x/ME/2000 Plug and play BIOS

**Special Features:**

- . VGA D-SUB / USB Connectors Pin Head On Board .

**Dimension:**

- . 200 x 150 mm

**Case for CV863B M/B:**

- . Neo ( fanless for VIA Eden and C3 1GHz CPU )
- . Twister ( fanless for VIA Eden and C3 1GHz CPU )

**Order information:**

Model Name	CPU	Lan Ports	PCMCIA
CV863B4R10E	VIA Eden 1Ghz	4 x 10/100 RealTek	2
CV863B3U10E	VIA Eden 1Ghz	3 x 10/100/1G Intel	2

