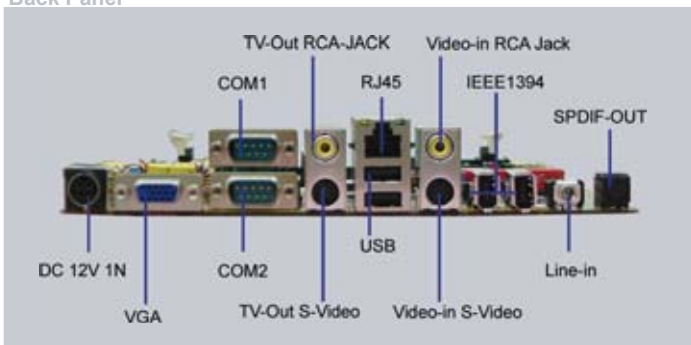




### MV823A Series

#### Back Panel



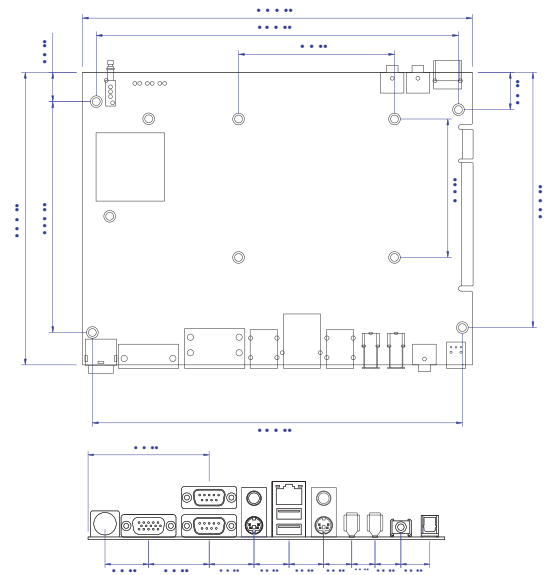
**Application** Multimedia Applications for VOD, STB, Home entertainment, and gaming

**Features** VIA Eden solution  
On-board IEEE 1394  
Video-in  
TV-out & LVDS  
Twin-View

#### Specifications

- CPU type On-board VIA Eden 376 PIN EBGA package
- Front Side Bus 100/133 MHz
- MB Chipset VIA CLE266 VT8623 + VT8235
- Graphics Integrated with VT8623  
Shared system memory up to 64MB
- Memory 1 x DDR SDRAM(max. 512MB)
- IDE Ultra DMA-133/100/66 transfer protocols  
1 x 40 pin 2.54mm, 1 x 44 pin 2.0mm  
Support Compact Flash card type II for ATA interface
- Sound AC'97 2.2  
Support 5.1 channel Audio and SPDIF-OUT
- LVDS (Option) Support data format of 18 bits/36 bits
- TV-Out NTSC(M, J) or PAL(B,D,G,H,I,M,N,Nc)
- LAN 1 x Realtek 10/100 Mbps
- IO function 2x RS232  
Support Infrared SIR and FIR
- Video-In Philip SAA7113H Video decode with VIA CLE266 video capture  
Support NTSC/PAL/PAL-M/SECAM video in
- USB 4 x USB 2.0
- IEEE 1394 OHCI compliant programming interface  
Integrated 400Mbit 2 port PHY
- DIO & WDT (Option) Hardware digital Input & Output, 4xDI / 4xDO  
Hardware Watch Dog Timer, 0~255 sec programmable
- Expand Interface 1 x PCI gold finger, rev. 2.2 interface
- Power On board power DC +12V±5% convert into system +3.3V/+12V/+5V
- Dimension 200 x 150 mm

#### Dimension



#### Testing environment

Model name : **MV823A-FER10E**  
CPU : VIA Eden 1GHz  
Chipset : VIA CLE266  
OS : WIN XP  
Testing Program 3D Mark 2001 SE

#### Fanless solution with CF card

| Chassis     | Light | Neo  | Twister | Fanless Panel PC |
|-------------|-------|------|---------|------------------|
| Temperature |       |      |         |                  |
| 0°C         | Pass  | Pass | Pass    | Pass             |
| 40°C        | Pass  | Pass | Pass    | Pass             |
| 45°C        | Pass  | Pass | Pass    | Pass             |

#### Temperature with 2.5" HDD

| Chassis     | Light | Neo  | Twister | Fanless Panel PC |
|-------------|-------|------|---------|------------------|
| Temperature |       |      |         |                  |
| 0°C         | Pass  | Pass | Pass    | Pass             |
| 40°C        | FAN   | Pass | Pass    | Pass             |
| 45°C        | FAN   | FAN  | Pass    | Pass             |

- Operation Temperature : 0 ~ 45°C
- Operation Humidity : 5~95% @ 45°C, non-condensing

#### Ordering Information

- MV823A-CER10E Eden 1GHz
- MV823A-FER10E Eden 1GHz, LVDS, WDT, DIO