



MV823A Series On-board IEEE1394 / LVDS(Option)/ VIDEO-IN / TV-OUT

Processor :

- . On-board VIA C3/Eden 376 pin EBGA package
- . Front side bus 100/133 MHz
- . VIA Eden Processor 533MHz/733MHz/800MHz/1GHz
- . VIA C3 processor 800MHz/1GHz/1.2GHz/1.4GHz
- . Integrated full-speed 192KB L1/L2 cache, F.S.B.133MHz
- . Advanced multimedia instruction set for MMX ,3Dnow

System Chipset list :

- . MB chipset :VIA CLE266 Chipset (VT8623 and VT8235)
- . VGA : Integrated VT8623 Graphic chip
- . Sound :VIA VT1616 AC97 SOUND
- . LAN : Intel 100M/1G 82540EM or Realtek 10M/100M RTL8100B
- . TV-OUT : VIA VT1622A Chip
- . I/O : VIA VT1211 chip
- . Video in : Philip 7113H Video input processor
- . LVDS Transmitter : VT1631 DFP to LVDS signal
- . IEEE1394 : VT6307 chip

Memory :

- . Support one bank PC 1600/2100 DDR 266 up to 512MB

VGA Graphic :

- . 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 1920 x 1440 x 16bit
- . VGA resolution support 16:9 Mode

TV-out :

- . NTSC(M and J) or PAL(B , D , G , H , I , M , N and Nc) TV output
- . Graphics resolution up to 1024 x 768
- . Automatic detection of TV presence

PCI Bus Master IDE :

- . Dual channel master mode hard disk controller supporting four Enhanced IDE devices
- . UltraDMA-66/100/133 transfer protocols
- . One 40-pin 2.54mm and One 44-pin 2.0mm IDE connectors.
- . Support 50-pin Compact Flash card type II for ATA interface

Sound :

- . AC97 2.2 compliant
- . Support 5.1 channel Audio and SPDIF-OUT

IUSB :

- . 3 x USB 2.0/1.1 Enhanced Host Controller Interface

IO :

- . Two 16C550 UARTs RS232 port support
- . Support Infrared SIR and FIR

IEEE 1394 :

- . OHCI Compliant Programming Interface
- . Integrated 400Mbit 2 port PHY

Video in :

- . Philip SAA7113H Video decode with VIA CLE266 Video Capture
- . Support NTSC/PAL/PAL-M/SECAM video in

LVDS (optional) :

- . Support 18Bit One and Dual Channel LVDS Interface.

WDT / DIO (optional) :

- . Hardware Watch Dog Timer - programmable 0-255 sec
- . Hardware Digital Input/Output provide 4 input and 4 output

Power :

- . 12V DC-IN (Daughter board for 24V DC-IN)

Front Panel :

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

Back Panel :

- . 12V DC-IN power jack
- . VGA connector
- . 2 x COM ports
- . 1 x S-Video and RCA jack for TV-out
- . 2 x USB 2.0 ports
- . 1 x RJ45 LAN port
- . 1 x S-Video and RCA jack Video in
- . 2 x IEEE 1394A A-type
- . Audio Line in phone jack
- . SPDIF-OUT

BIOS :

- . Award BIOS
- . LAN PXE boot ROM support

OS :

- . Linux, Windows 9X / ME / 2000 / XP / CE

Dimension :

200 x 150 mm

Case for MV823A M/B :

- . Neo (fanless for VIA Eden and C3 1GHz CPU)
- . Twister (fanless for VIA Eden and C3 1GHz CPU)
- . 8.4"/10.4" PANEL PC

Order information :

Model Name	CPU	Lan Ports	LVDS	WDT
MV823ACER10L	VIA C3 1Ghz	1 x 10/100 RealTek	No	No
MV823AFER10L	VIA C3 1Ghz	1 x 10/100 RealTek	Yes	Yes
MV823ACER10E	VIA Eden 1Ghz	1 x 10/100 RealTek	No	No
MV823AFER10E	VIA Eden 1Ghz	1 x 10/100 RealTek	Yes	Yes

