

PX/PXT 82042-MV823AFER10E

System Configuration:

2.5" HDD 20GB (40GB or Compact Flash Card Optional)
256MB PC133 SDRAM (512MB Optional)
PXT model with Elo Touch Compatible Touch Screen
Outline Dimension: 2.5"(D) x 9.7"(W) x 6.8"(L)

Board Spec:

System Chipset list:

- MB: VIA VT8623 CE and VT8235CD (C5)
- VGA: VT8623 CE Integrated AGP CORE
- Sound: VIA 1616 Chipset for AC97 v2.2 SOUND
- LAN: Realtek RTL8100B Chipset for 10/100M Ethernet
- TV-OUT: VIA VT1622A Chipset for TV out
- I/O: VIA VT1211 Chipset for I/O
- Video in: Philip SAA7113H Chipset for Video input processor
- IEEE1394: VT6307 Chipset for IEEE1394A PCI chipset

Processor

- Supports VIA C3 376 PIN EPGA type front side bus 100/133 MHz
- VIA C3 Processor 1GHz speed
- Lowest Voltage / Power consumption 11W
- Integrated full-speed 192KB L1/L2 cache
- 133MHz Front side bus
- Advanced multimedia instruction set for MMX, 3Dnow

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 (SMA)
- 16 / 32 / 64MB frame buffer using system memory
- Internal AGP **4X interface**
- Graphics engine clocks up to 133 MHz decoupled from memory clock
- High quality DVD video playback
- 128-bit 3D graphics engine
- Floating point triangle setup engine
- 3M triangles / second setup engine
- 133M pixels / second trilinear fill rate
- **MPEG 2/1 Video Decoder**
- Motion compensation for full speed DVD playback
- Hardware accelerated Slice layer, IDCT and Motion compensation
- 2D / 3D Hardware Acceleration Features.
- Microsoft DirectX 7.0 and 8.0 and 9.0 compatible
- Support OpenGL drive
- Resolution up to 1920 x 1440 x 16
- **VGA resolution supports 16:9 Mode**

TV-out:

- Using VT1622ATV encode
- 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
- 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 connector and One 44pin 2.0mm connector.
- Support Compact Flash card type II for ATA interface.

Sound

- AC97 2.2 compliant
- Support audio 6 channel support SPDIF-OUT
- Support Audio 2 channel Amplify about 2 W

USB

- USB v2.0 and Enhanced Host Controller Interface (EHCI) v1.0 compatible
- USB v1.1 and Universal Host Controller Interface (UHCI) v1.1 compatible

IO function

- LPC (Low Pin Count) Interface
- Supports Hardware Monitor Controller
- Two 16C550 UARTs RS232 port support
- Support Infrared SIR and FIR

LAN

- One on board **Realtek RLT8100B** 10Mb/100Mb base for server use.
- Compliant to PCI-2.2 use RLT8100B chip set
- Supports 10Mb/S and 100Mb/s Fast Ethernet
- Supports Full Duplex Flow Control (IEEE 802.x)

IEEE 1394

- Embedded 1394 link core
- OHCI Compliant Programming Interface
- 32Bit Power Managed PCI bus Interface
- Integrated 400Mbit 2 port PHY

Video in

- Video decoder uses **Philip SAA7113H with CLE266 video capture port.**
- Support NTSC / PAL –N/PAL-M /SECAM video in type

LVDS

- Support 18bit one and dual channel LVDS Interface

WDT/DIO

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

Other function

- One Compact Flash Reader for IDE BUS ATA type II spec
- One COM2 support RS422/485 function for

- One expand PCI rev: 2.2 interface

DC 12V in

- On board power DC 12V +- 5% convert into system +3.3v/+12v/+5v

Back Panel Connectors

- One DC 12V in power mini den jack
- One DB-15PIN VGA port
- Two DB-9PIN COM1/2 PORT
- One S-Video out and One RCA Jack for TV-out
- Three ports for dual USB and RJ45 LAN port
- One S-Video in and One RCA Jack for analog Video in port.
- Two IEEE 1394A Type A port
- One Audio Line in phone jack in
- One SPDIF-OUT

IOS

- Award BIOS

OS

- Linux, Windows 9x/ME/2000/XP/CE