

DFI-ACP

Revision Control

Long Life Cycle Motherboard

GVPC3

VIA® VT8606 TwisterT ATX System Board

PROCESSOR

- VIA® Eden 600MHz low power processor

CHIPSET

- VIA® VT8606 TwisterT / VT82C686B

SYSTEM MEMORY

- Up to 1GB using PC SDRAM DIMM
- Two 168-pin DIMM sockets
- Supports standard PC-133 and PC-100 SDRAM

BIOS

- Award BIOS, Windows® 95/98/2000/ME Plug and Play compatible
- Supports SCSI sequential boot-up
- Flash EPROM for easy BIOS upgrades
- Supports DMI 2.0 function
- 2Mbit flash memory

ENERGY EFFICIENT DESIGN

- Supports ACPI specification and OS Directed Power Management
- Supports ACPI STR (Suspend to RAM) function
- Wake-On-Events include:
 - RTC timer to power-on the system
 - Wake-On-Ring (through external modem)
 - Wake-On-LAN
- System power management supported
- Hardware supports SMI green mode
- Microsoft®/Intel® APM 1.2 compliant
- Soft Power supported - ACPI v1.0a specification
- AC power failure recovery

DAMAGE FREE INTELLIGENCE

- Supports Watchdog timer function
- Monitors CPU/system temperature
- Monitors VCORE/3.3V/5V/12V/2.5V voltages
- Monitors CPU/chassis fan speed
- Read back capability that displays temperature, voltage and fan speed

ONBOARD GRAPHICS FEATURES

- Integrated Savage4 2D/3D/Video accelerator
 - Optimized Shared Memory Architecture (SMA)
 - Full internal AGP 4x performance
 - High quality DVD video playback
 - Supports flat panel monitor
 - 2D/3D resolution up to 1920x1440 for high resolution CRT support
- 3D rendering features
 - 32-bit true color rendering
 - MPEG-2 video textures
- 2D hardware acceleration features
- Motion video architecture
- Extensive LCD support
 - Integrated 2-channel LVDS interface
 - Panel power sequencing
- Software drivers
 - Windows® 9x/NT4.0/2000/ME/XP

AUDIO FEATURES

- AC'97 supported with full duplex, independent sample rate converter for audio recording and playback

ONBOARD LAN FEATURES

- Uses Realtek RTL8100 fast ethernet controller
- Integrated IEEE 802.3 10BASE-T and 100BASE-TX compatible PHY
- 32-bit PCI master interface
- Integrated power management functions
- Full duplex support at both 10 and 100 Mbps
- Supports IEEE 802.3u auto-negotiation

PCI IDE INTERFACE

- Supports Ultra ATA/100 hard drives
- PIO Mode 3 and Mode 4 Enhanced IDE (data transfer rate up to 16.6MB/sec.)
- Bus mastering reduces CPU utilization during disk transfer
- ATAPI CD-ROM, LS-120 and ZIP supported

REAR PANEL I/O PORTS

- 4 USB ports
- 1 RJ45 LAN port
- 1 DB-9 serial ports
- 1 DB-15 VGA port
- 1 DB-25 parallel port
- 1 mini-DIN-6 PS/2 mouse port
- 1 mini-DIN-6 PS/2 keyboard port
- 3 audio jacks: line-out, line-in and mic-in

I/O CONNECTORS

- 3 connectors for 3 additional external serial ports
- 1 connector for IrDA interface
- 2 IDE connectors
- 1 floppy connector
- 1 ATX power supply connector
- 1 Wake-On-LAN connector
- CPU fan and chassis fan connectors
- 1 CD-in internal audio connector
- 1 connector for external game/MIDI port
- 1 connector for LCD brightness control
- 1 connector for LVDS LCD panel

EXPANSION SLOTS

- 4 dedicated PCI slots
- 1 shared PCI/ISA slot
- 1 ISA slot

PCB

- 6 layers, ATX form factor
- 30.5cm (12") x 20.4cm (8")

