DFI-ACP

ORavision Control OLong Lifa Cycla



G4V620-B

Intel® 845GV ATX System Board

- Intel® Pentium® 4 Processor with Hyper-Threading Technology
 Intel® Pentium® 4 processor (478-pin)
 - 533MHz system data bus
 - 400MHz system data bus
- Intel® Celeron® processor (478-pin)
 - 400MHz system data bus Socket 478

CHIPSET

- Intel® 845GV chipset
 - Intel® 845GV B1 stepping Graphics Memory Controller Hub (GMCH) Intel® 82801DB I/O Controller Hub (ICH4)

SYSTEM MEMORY

- Two 184-pin DDR SDRAM DIMM sockets 2.5V unbuffered PC1600 (DDR200), PC2100 (DDR266) or PC2700 (DDR333) DDR SDRAM DIMM Supports maximum of 2GB system memory using 64Mbit, 128Mbit, 256Mbit or 512Mbit technology Double-sided x16 DDR SDRAM DIMM is not supported

BIOS

- Award BIOS
- 4Mbit flash memory

ENERGY EFFICIENT DESIGN

- Supports ACPI specification and OS Directed Power Management
 Supports ACPI STR (Suspend to RAM) function
 Wake-On-Events include:
 - Wake-On-Keyboard
- - Wake-On-USB Keyboard Wake-On-Ring (through internal or external modem) Wake-On-LAN

- RTC timer to power-on the system
 System power management supported
 CPU stopped clock control
 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

- Monitors CPU/system temperature and overheat alarm Monitors 5VSB/VBAT/1.5V/3.3V/±5V/±12V/Vcore voltages
- and failure alarm Monitors CPU/system/second fan speed and failure
- Automatic system/second fans on/off control Read back capability that displays temperature, voltage and fan speed Opened chassis alarm
- Watchdog timer function

ONBOARD GRAPHICS FEATURES

- Graphics memory
 Shares 512K/1MB/8MB of the system memory in DOS
 - Uses Dynamic Video Memory Technology (DVMT) in
- Windows mode
 Graphics controller

 Core frequency of 200MHz

 350MHz integrated 24-bit RAMDAC

 Analog display up to 2048x1536 @ 60Hz refresh

 3D setup and render engine Discrete, Triangles, Strips and fans
 - Per pixel perspective corrected texture mapping
 Software DVD at 30fps, full screen
 2D graphics features
 Optimized 256-bit BLT engine
- - 32-bit alpha blended cursor
 - Programmable 3-color transparent cursor
- 3D graphics features
 200 megapixels/sec fill rate
 Maximum 3D resolution: 1600x1200x32 @ 85Hz
 Flat and Gouraud shading
 16- and 24-bit Z-buffering and 16- and 24-bit W-buffering
 - Vertex and programmable pixel fogging and atmospheric effects

 Double and triple render buffer

ONBOARD AUDIO FEATURES

- 18-bit stereo full-duplex codec with independent variable sampling rate
 High quality differential CD input
 True stereo line level outputs

- S/PDIF-out interface 2-channel audio output

ONBOARD LAN FEATURES

- Uses 82562 fast ethernet controller

 Basic 10/100 Client Connection. Supports 559 level cable and PHY Stats. Support for Server OS included as check item, but no Server function included

 Same Quality Driver suits as 82559

 Supports DMI/SNMP/WMI

 10/100 Auto Sensing

 IEEE 802.3, 10BASE-T/100BASE-TX compliant physical layer interface
- layer interface
- IEEE 802.3u Auto-Negotiation 48-pin SSOP, 3.3V device

PCI IDE INTERFACE

- Supports ATA/33, ATA/66 and ATA/100 hard drives PIO Mode 4 Enhanced IDE (data transfer rate up to
- Bus mastering reduces CPU utilization during disk transfer
- Supports ATAPI CD-ROM, LS-120 and ZIP

REAR PANEL I/O PORTS

- 4 USB 2.0/1.1 ports

- USB 2.071.1 ports
 RJ45 LAN port
 DB-9 serial port
 DB-15 VGA port
 DB-25 parallel port
 mini-DIN-6 PS/2 mouse port
 mini-DIN-6 PS/2 keyboard port
- 3 audio jacks: line-out, line-in and mic-in

I/O CONNECTORS

- CompactFlash™ socket connector for 2 additional external USB 2.0/1.1 ports connector for 1 external serial port connector for an external game/MIDI port internal audio connectors (CD-in and AUX-in)

- S/PDIF-out connector connector for IrDA interface

- IDE connectors
 floppy connector
 ATX power supply connectors
 Wake-On-LAN connector
- Wake-On-Ring connector
- chassis open connector
- CPU fan, system fan and second fan connectors

EXPANSION SLOTS

- 1 AGP slot that supports ADD (AGP Digital Display) card
- only 4 PCI slots (1 shared with ISA slot)
- 3 ISA slots

PCI 2.2 and AC '97 compliant

- 4 layers, ATX form factor 30.5cm (12") x 24.4cm (9.6")

REAR PANEL I/O PORTS



PS/2 K/B COM I

VGA

USB 1-2 USB 3