

# ➤ MBATX-845GV-VEA1

## ➤ Intel® 845GV chipset Socket 478-based ATX board



### PROCESSOR (Socket 478-based Intel®)

- Intel® Pentium® 4 or Celeron® Processor
- 533/400MHz system data bus

### CHIPSET

- Intel® 845GV chipset
  - Intel® 845GV 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 (DDR 333) SDRAM DIMM
- Maximum 2GB system memory

### BIOS

- Award BIOS, Windows® Plug and Play compatible
- Supports SCSI sequential boot-up
- 4Mbit flash memory

### ENERGY EFFICIENT DESIGN

- ACPI v1.0a and APM 1.2 compliant
- Wake-On-Events include: Wake-On-Keyboard, Wake-On-USB Keyboard, Wake-On-Ring, Wake-On-LAN and RTC timer
- AC power failure recovery

### DAMAGE FREE INTELLIGENCE

- Alarms for CPU/system temp. and overheat, voltages, and CPU/system/second fan speed and failure
- Automatic system/second fans on/off control
- Read back capability displays temperature, voltage, and fan speed
- Opened chassis alarm
- Watchdog timer function

### ONBOARD GRAPHICS

- Shares 512K/1MB/8MB of system memory in DOS mode, 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



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### ONBOARD LAN

- 82562 fast Ethernet controller
- IEEE 802.3, 10BASE-T/100BASE-TX compliant
- IEEE 802.3u Auto-Negotiation

### PCI IDE INTERFACE

- Supports ATA/33, ATA/66 and ATA/100 hard drives
- PIO Mode 4 Enhanced IDE (data transfer rate up to 14MB/sec.)
- 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
- 1 RJ45 LAN port
- 1 DB-9 serial port
- 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

- 1 CompactFlash™ socket
- 1 connector for 2 additional external USB 2.0/1.1 ports
- 1 connector for 1 external serial port
- 1 connector for an external game/MIDI port
- 2 internal audio connectors (CD-in and AUX-in)
- 1 S/PDIF-out connector
- 1 connector for IrDA interface
- 2 IDE connectors
- 1 floppy connector
- 2 ATX power supply connectors

### EXPANSION SLOTS

- 1 ADD slot for flat panel support
- 3 PCI slots
- 1 Shared PCI/ISA slot
- 2 ISA slots

### COMPATIBILITY

- PCI 2.2 and AC '97 compliant

### CIRCUIT BOARD (PCB)

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

### SAFETY

- UL, cUL, FCC Class B, CE