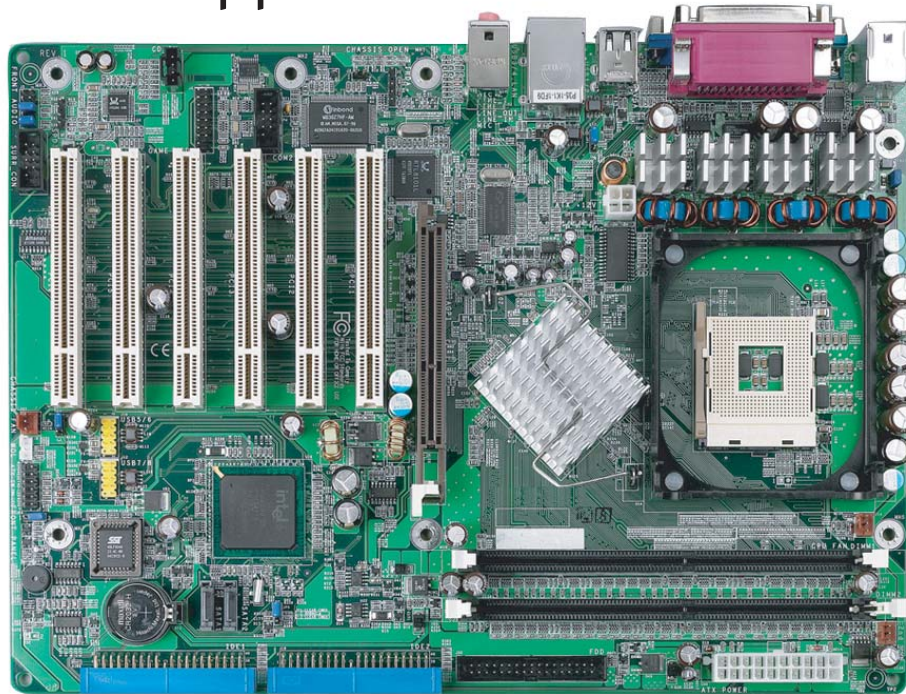


- **MBATX-865G-VEA3**
- High Performance ATX board with Serial ATA support



### Features of the MBATX-865G-VEA3:

- ATX format
- Supports Intel® Pentium® 4 or Celeron® processor
- Hyper Threading Technology
- Intel® 865G chipset – 400/533/800 MHz data bus
- On-board Video, on-board LAN, and on-board Audio
- Serial ATA support
- Supports up to 8 USB (2.0)
- Stable product life cycle
- Open chassis alarm
- Monitors fan speed, temperature, and power supply voltages

The MBATX-865G-VEA3 motherboard offers the combination of Intel® Pentium® 4 or Celeron® processor power (478 pin), with six PCI slots and 1 AGP 1.5V slot. This ATX motherboard has a great combination of on-board audio, on-board video, on-board LAN, and up to 8 USB 2.0 ports.

The MBATX-865G-VEA3 features the Intel® 865G chipset on an ATX format motherboard. The 800MHz/533MHz system data bus provides a seamless user interaction while other features include read back capability that displays voltage, fan speed, temperature monitoring and a S/PDIF connector offering a digital audio interface

## ► MBATX-865G-VEA3 Technical Specifications

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

- Intel® Pentium® 4 Processor with Hyper-Threading Technology
  - 800MHz/533MHz system data bus
- Intel® Pentium® 4 processor
  - 533MHz/400MHz system data bus
- Intel® Celeron® processor
  - 400MHz system data bus

### CHIPSET

- Intel® 865G chipset
  - Intel® 865G Chipset Graphics Memory Controller Hub (GMCH)
  - Intel® 82801EB I/O Controller Hub (ICH5)

### SYSTEM Memory

- Two 184-pin DDR DIMM sockets
- Supports dual channel (128-bit wide) memory interface
- Supports up to 2GB system memory
- Supports non-ECC (x64) DIMM using 128Mb, 256Mb, or 512Mb
- Supports unbuffered DIMMs

### BIOS

- Award BIOS, Windows® 98SE/2000/ME/XP 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
- 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(V)/VBAT(V)/1.5V/3.3V/5V/±12V/CPU(V) voltages and failure alarm
- Monitors CPU/chassis/2nd fan speed and failure alarm
- Read back capability that displays temperature, voltage and fan speed
- Opened chassis alarm

### ONBOARD GRAPHICS FEATURES

- Graphics Memory
  - Shares 1MB/4MB/8MB/16MB/32MB of the system memory in DOS mode
  - Uses Dynamic Video Memory Technology (DVMT) in Windows mode
- Software drivers
  - Windows® 98SE/2000/ME/XP
  - Windows NT® 4.0

### ONBOARD AUDIO FEATURES

- 16-bit stereo full-duplex codec with 48KHz sampling rate
- S/PDIF-out interface
- 6-channel audio output

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### ONBOARD LAN FEATURES

- Uses Realtek RTL8101L fast ethernet controller
- Integrated power management functions
- 32-bit PCI master interface
- Full duplex support at both 10 and 100 Mbps
- Supports IEEE 802.3u auto-negotiation
- Supports wire for management

### PCI IDE INTERFACE

- Supports up to UltraDMA 100Mbps hard drives  
PIO Mode 4 Enhanced IDE (data transfer rate up to 14MB/sec.)

### SATA IDE INTERFACE

- Supports two SATA (Serial ATA) interfaces which are compliant with SATA 1.0 specification (1.5Gbps interface)

### ACCELERATED GRAPHICS PORT (A.G.P)

- Supports 1.5V AGP 8X (2.13GB/sec) and AGP 4X (1066MB/sec) for 3D graphics applications (AGP 2X and 3.3V AGP card are NOT supported)
- Supports AGP 3.0 and AGP 2.0 spec.

### 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

- 2 connectors for 4 additional external USB 2.0/1.1 ports
- 1 connector for 1 external serial port
- 1 connector for 1 external game/MIDI port
- 1 connector for external line-out and mic-in jacks
- 1 CD-in internal audio connector
- 1 surround connector
- 1 S/PDIF-out connector (audio digital interface)
- 1 connector for IrDA interface
- 2 Serial ATA, 2 IDE and 1 floppy connectors
- 1 20-pin ATX power connector
- 1 4-pin 12V ATX power connector
- 1 Wake-On-LAN connector
- 3 fan connectors for CPU fan, chassis fan and 2nd fan

### EXPANSION SLOTS

- 1 AGP 8x/4x slot
- 6 PCI slots

### COMPATIBILITY

- PCI 2.2 and AC '97 compliant

### PCB

- 4 layers, ATX form factor
- 30.5cm (12.05") x 22cm (8.66")

### SAFETY

- UL, cUL, FCC Class B, CE



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