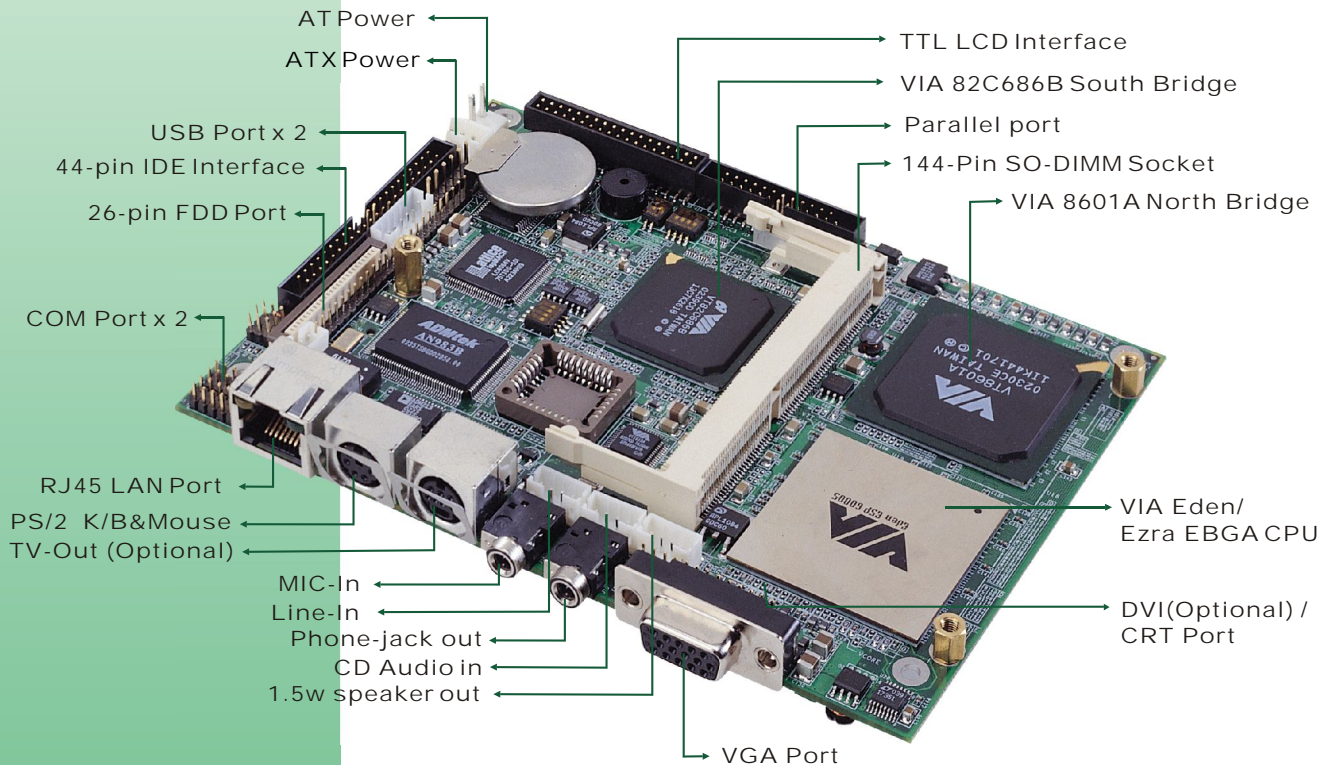


EBC 365

3.5" VIA Eden Ultra Low Power Embedded Controller w/CPU/VGA/LAN/Audio/Mini-PCI and Compact Flash socket



Features

- ◆ Low power VIA Eden 667 MHz or Ezra 800MHz+ processor on board with 133MHz FSB
- ◆ VIA Apollo PLE 133 8601A/686B chipsets
- ◆ Max. 512MB SDRAM memory in 1 SO-DIMM slot
- ◆ 3D/2D graphic, TMDS(DVI optional)/TTL LCD(24-bit) interface; TV-out for option
- ◆ Single ADMtek 983B 10/100 Mbps fast Ethernet LAN port
- ◆ AC 97 ver.2.0 Audio



EBC 365

Specifications

Form Factor

- 3.5" size HDD drive foot-print
- PCI V2.2 compliant

CPU

- On-board low power VIA Eden 667MHz processor EBGA package with 133MHz FSB/On-board Ezra 800MHz+ processor EBGA package with 133MHz FSB
- 128K L1 cache memory and 64KBL2 cache memory on-die

Memory

- Max. 512MB SDRAM memory, 144-pin DIMM x1

BIOS

- Award system BIOS
- APM (Advanced Power Management) support
- ACPI (Advanced Configuration & Power Interface) support
- 4M bits flash ROM

Chipset

- VIA 8601A 100/133MHz North Bridge
- VIA VT82C686B PCI SUPER-I/O integrate peripheral controller
- PCI V2.2 compliant

On-board VGA

- VIA 8601A Integrated Savage 4 3D/2D Video Accelerator, supports 2/4/8MB frame buffer; High quality DVD video playback; 3D/2D resolutions up to 1280x1024 and 3D rendering features
- Extensive LCD support: 18- or 24-bit TFT flat panel interface, resolutions 640x480/800x600/1024x768; TMDS (Panel Link) interface (Optional), resolutions up to 1024x768
- TV-Encoder Interface (Optional)

On-board LAN

- ADM Tek AN983B Ethernet LAN port x1
- RJ45 with LED connector x1
- Full duplex compliant with IEEE 802.3X
- Boot from LAN function
- Wake-up from LAN

On-board Audio

- VT82C686B and AC97 ver. 2.0 compliant interface, Multi-stream Direct Sound and Direct Sound 3D acceleration

On-Board I/O

- USB port x2
- Buzzer x1
- Audio Interface:
 - Internal - CD audio-in, Line-in, speaker-out;
 - Phone Jack - Microphone-in, speaker-out
- Enhance IDE: Ultra DMA 33/66/100 support; 44-pin connector x2
- SIO (with 2 16C550 UARTs) x2, 9-pin header x2,
- PIO x1, 26-pin connector support EPP/ECP
- Slim FDD controller: 26-pin connector x1
- PS/2 keyboard/Mouse: 6-pin mini DIN connector
- Digital I/O TTL level (2-in/out)
- I²C: on-board 3-pin header x1 (one pin for GND)
- Reset SW: 2-pin header x1
- IDE active LED: 2-pin header x1

- ATX power SW: 2-pin header x1
- Power cable connected to panel (5V or 3V): 3-pin power header x1
- 2-pin IDE Active LED header x1

System Monitor:

- Derived from super I/O support system monitor
- 4 voltage (for +3.3V, +5V, VTT, Vcore)
- Monitor CPU fanspeed, CPU temperature
- Driver support: Window 95/98/2000, Windows NT4.0

Real time clock

- On-chip RTC back-up battery x1
- External Li-Ion battery x1

Watchdog Timer

- Watchdog timeout programmable from 1 to 127 second/minute

On-board bus expansion

- Mini-PCI socket

Dimensions

- 143mm(L)x102mm(W)

Power requirements

- 2-pin power input connector

Power requirements

- 2-pin power input connector

| Pin define | Voltage | Power requirement |
|------------|---------|-------------------|
| PIN 1 | +5V | 5A (typical) |
| PIN 2 | GND | |

- Reserve 3-pin header for 5Vsb to support ACPI function
- 3.3V is converted from +5V
- Accessory power converter cable:
 - AT power supply: two 4P to 2P
 - ATX power supply: 2-pin+ 3-pin power SW connector

Environments

- Operating temperature: 0°C to 60°C
- Storage temperature: -20°C to 80°C
- Relative humidity: 10% to 90% (noncondensing)

Certification

- CE
- FCC

Order Information

EBC 365

- 3.5" Embedded controller with on-board Ezra 800MHz+ processor

EBC 365LP6

- 3.5" Ultra low power embedded CPU fan-less solution with on-board VIA Eden 667MHz processor



The Digital Infrastructure