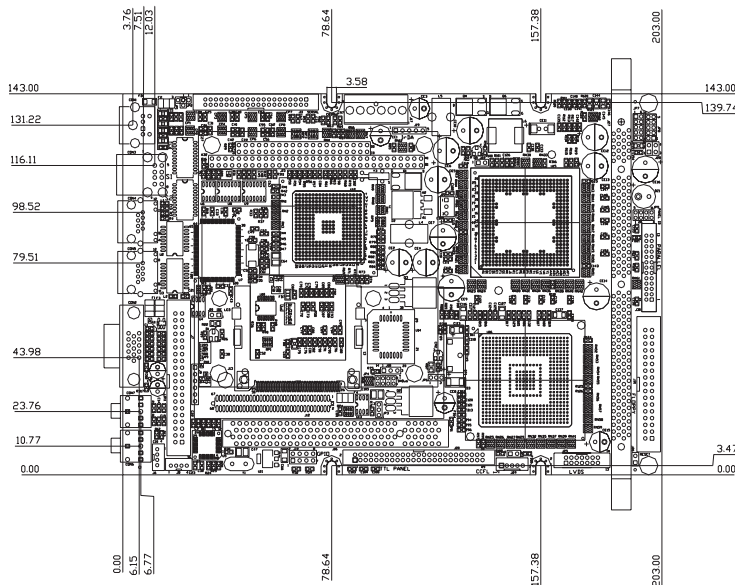
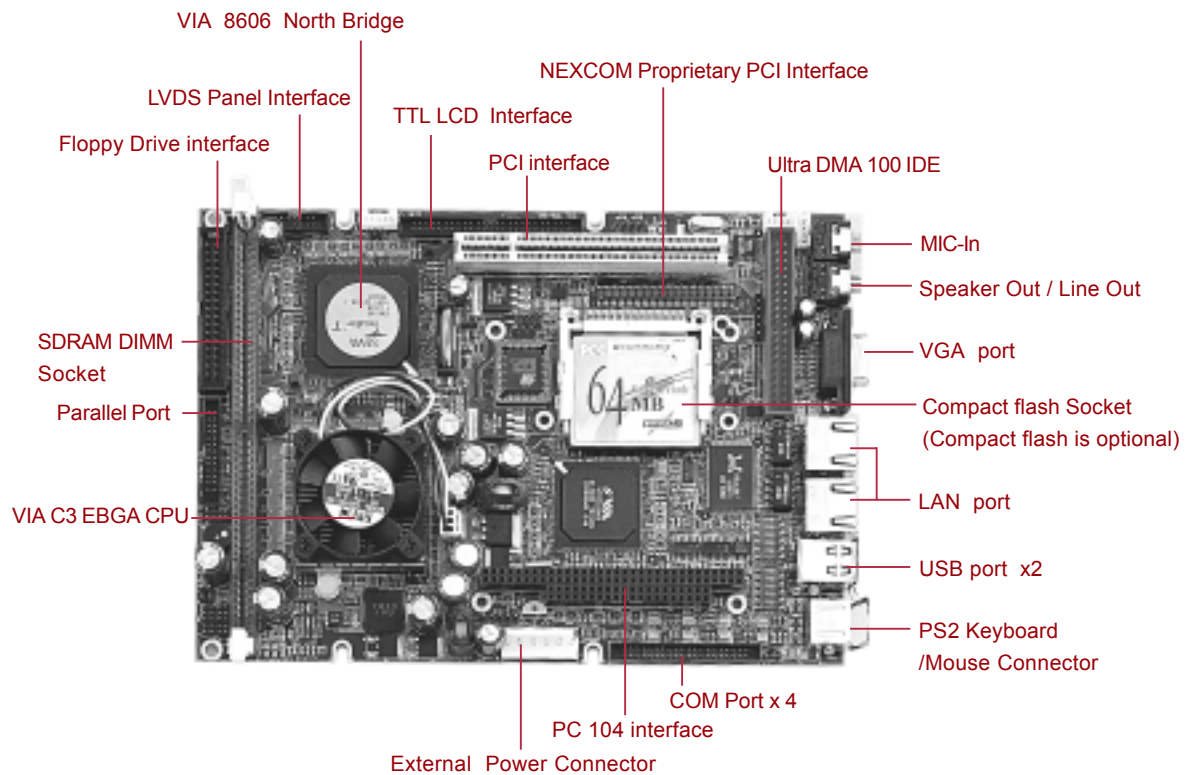


EBC 569 *Fanless*

5.25" VIA Eden low power fanless solution/C3 processor
embedded controller w/CPU/Video/LAN/Audio



FEATURES

- ▶ On-board Low power VIA Eden 667MHz or C3 VIA 800/1GHz+ process with 100/133MHz
- ▶ Max. 512MB SDRAM, 168-pin DIMM x1
- ▶ Built-in VIA Twister T8606/686B chipsets
- ▶ 4X AGP VGA, 3D graphic, LVDS/ TTL LCD interface
- ▶ Realtek 8139C 10/100 Base T/TX LAN
- ▶ AC 97 ver. 2.0 Audio
- ▶ COM portx4

SPECIFICATION

System Architecture

- 5.25" size form factor
- PCI V2.2 compliant

CPU support

- Supports VIA Eden 667MHz and up to 1GHz up with 100/133 FSB
- 128K L1 cache memory and 64KB L2 cache memory on-die

Memory

- Max 512 MB memory, 168-pin DIMM x 1

BIOS

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

Chipset

- VIA 8606 (Twister T) 100 /133 MHz North Bridge
- VIA VT82C686B PSIPC PCI SUPER-I/O integrated peripheral controller
- PCI V2.2 compliant

On-board LAN

- Realtek RTL 8139C Ethernet LAN port x2
- Single Chip 10/100 Base TX support, full duplex
- Boot from LAN function

On-board Audio

- VT82C686B and AC97 ver. 2.0 compliant interface, Multi-stream Direct Sound and DirectSound 3D acceleration
- Audio interface: CD audio-in/ Line-in(Internal), microphone-in, speaker- out (with Amplifier)

On-board VGA

- VIA 8606 Integrated Savage4 2D/3D/Video accelerator
- Optimized shared memory Architecture (SMA)
- 8/16/32MB frame buffer using system memory
- Single cycle 128-bit 3D architecture
- Full internal AGP 4X performance
- Next generation, 128-bit 2D graphics engine
- High quality DVD video playback
- 2D/3D resolutions up to 1920x1440
- Extensive LCD Support
- 36-bit DSTN/TFT flat panel interface with 256 gray shade support
- Integrated 110 MHz LVDS interface
- Support for all resolutions up to 1600x1200
- 15Pin D-Sub VGA Output
- LVDS Interface Connector x1
- TTL LCD Interface Connector x1

On-board Compact Flash

- Internal Compact Flash socket x1

I/O interface

- Serial COM port16C550 UARTx4, 40-pin 2.0 header with housingx3 ; RS422/485x1
- Parallel: EPP/ECP support, 26 pin connector x1
- FDD: 34-pin connector x1

- HDD: 40-pin connectorx1; UltraDMA-33/66/100 IDE support
- LAN: RJ45 with LED connector x 2
- PS/2 keyboard/mouse: 6-pin mini DIN connector x1
- USB port x2
- Buzzer x1
- Digital I/O: 4 TTL in , 4 TTL out
- I²C: 3-pin header
- IrDA: 5-pin header
- Reset SW: 2-pin header for
- 4-pin header for power SW
- COM 3 reserved the RING pin to power Touch screen LCD (jumper select 5 or 12V or ring)
- 3-pin power connector for CPU fan
- 2-pin IDE active LED header

Real Time Clocker

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

Watchdog Timer

- Watchdog timeout can be programmable by Software from 0.5 to 64 second

On-board BUS expansion

- One 32bit/33MHz PCI Slot support PCI expansion
- PC 104
- NEXCOM Proprietary PCI Interface

Dimension

- 203mm(L) x 143mm(W)

System Monitor

- Derived from super IO to support system monitor
- 5 voltage (For +3.3V, +5V, +12V, Vcore and +2.5V)
- Monitor CPU fan speed and temperature
- Drivers support: Windows[®] 95/98/2000, Windows[®] NT4.0

Power Source & Power Requirements

- 6-pin power input connector

PIN Define	Voltage	Power Requirement
PIN 1	+5V	6A(typical)
PIN 2	+5V	
PIN 3	GND	—
PIN 4	GND	—
PIN 5	GND	—
PIN 6	+12V	1A(typical)

- Accessory power converter cable: AT Power Supply: Two 4P to 6P
ATX Power Supply: 6P+ 2- pin power SW
Optional Power Module: support noteBook Type Adapter (16Vdc ~24Vdc input)

Environments

- Operating temperatures: 0°C to 60°C

- Storage temperatures: -20°C to 80°C
- Relative humidity: 10% to 90% (non-condensing)

Certification

- CE
- FCC Class A

Ordering Information

- EBC 569**
5.25" embedded board with on-board VIA C3 800MHz CPU
- EBC 569-1**
5.25" embedded board with on-board VIA C3 1GHz CPU
- EBC 569LP6**
5.25" Ultra low power/Fanless embedded board with VIA Eden 667MHz on- board