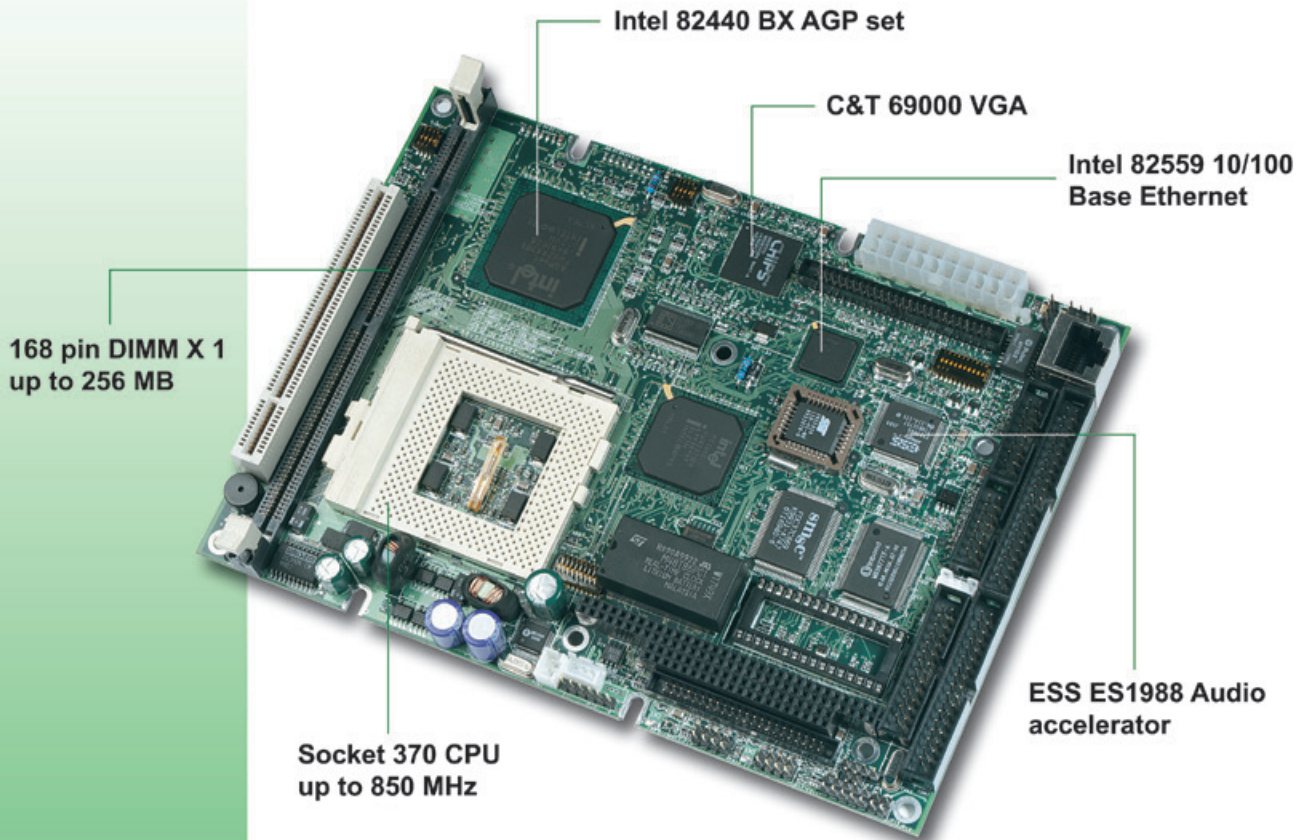


EBC 562

5.25" Socket 370 Celeron/Pentium III Embedded Controller w/VGA/LAN/Audio



Features

- ◆ Intel Celeron/Pentium III CPU with 66/100 MHz FSB up to 850MHz
- ◆ 256MB SDRAM (Max.) memory support, DIMM x 1
- ◆ Intel 440BX AGP set
- ◆ C&T 69000 AGP mode VGA Controller with CRT/LCD support
- ◆ Intel 82559 10/100 Base Ethernet controller
- ◆ ESS ES1988 Audio accelerator
- ◆ On board PC 104 connector
- ◆ On board standard 32bit PCI slot
- ◆ On board socket for DiskOnChip up to 288MB
- ◆ 4S1P, IDE x 1, FDC x 1, SIO for RS232 x 4, RS422/485 x 1(optional)

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Specifications

System Architecture

- Mini board with standard 5.25" drive form factor
- Intel Celeron/Pentium III CPU with 66/100 MHz FSB
- Intel 440BX AGP set
- PCI V2.1 complied

CPU Support

- Intel Celeron/ Pentium III CPU with 128/256 L2 cache on die
- Brand New Socket 370 CPU running at 66/100MHz FSB up to 850MHz

Main Memory

- Support SDRAM up to 256MB (Max.)
- 168 pin DIMM socket x 1
- ECC support (single bit error correction/Multiple bit errors reporting)

BIOS

- Award System BIOS
- Plug & Play support
- Advanced Power Management support
- Advanced Configuration & Power Interface support
- 2M bits flash ROM

Chip Set

- Intel 82440BX AGP set
- 66/100MHz FSB support
- PCI V2.1 complied
- Optimized SDRAM support

On Board VGA

- C&T 69000 VGA controller
- TFT LCD/DSTN LCD/CRT control
- 2MB SDRAM on die
- Maximum Res. Color & Refresh Rate

Resolution	Colors	Refresh Rate (Hz)
1280x1024	256	60
1024x768	16bits (High color)	85, 75, 60
800x600	24bits (True color)	85, 75, 60

- Drivers support: Windows 95/98, Windows NT4.0
- 16 pin Box header connector x 1, 50 pin LCD connector x 1

On Board LAN

- Intel 82559 Single Ethernet controller
- 10 Base T/100 Base TX support, full duplex
- Complied with PCI V2.1, IEEE802.3, IEEE 802.3U
- Backward compatible with former 82558 Ethernet controller base net modules
- Drivers support: DOS/Windows, Windows 95/98, Windows NT4.0, Netware, SCO Open Server 5.0
- RJ45 connector x 1

On Board Audio

- ESS ES1988 Allegro PCI Audio
- Integrated high-fidelity AC'97 codec
- Support multi-stream DirectSound and DirectSound 3D audio technology
- Support standard PCI 2.1 and 2.2 bus
- Driver support: DOS/Windows95/98, Windows NT4.0
- 14 pin integrated connector x 1 (for MIC, Line in, Line out, Mono out, Phone out)

On Board I/O

- SMSC 37C669 & Winbond W83977 Super I/O on board
- SIO x 4, with 4 x 16C550 UARTs, 40 pin integrated connector x 1, optional RS422/485 x 1
- PIO x 1, Bi-directional, EPP/ECP support, 26 pin x 1
- Floppy Disk controller: 5.25" 360KB/1.2MB, 3.5" 720KB/1.2MB /1.44MB/2.88MB support, 34 pin connector x 1
- On chip enhanced IDE x 1, PIO up to mode 4, DMA master up to mode 2, Ultra DMA/33 support, 44 pin x 1, total 2 E.IDE Devices support
- On chip keyboard, mouse controller, PS/2 Keyboard, mouse, 4 x 2 pin integrated connector x 1
- On board USB port x 2 (4 x 2 pin header x 1)
- IrDA pin reserved
- On board buzzer x 1
- On board 2 pin header for reset SW, 4 pin for speaker, 5 pin for keylock

On Board RTC

- High precision real time clock/calendar with battery back up

On Board Solid State Disk Socket

- On board reserved socket for DOC of M-systems: 2MB~288MB, etc

System Monitor

- Winbond W83782D system monitor controller
- Six voltage (For +5V, -5V, +12V, -12V, 5V stand by and Vcore)
- One Fan speed (For CPU)
- One temperature
- Drivers support: Windows 95/98, Windows NT4.0

Standard PCI Slot

- One 32 bit standard PCI slot on board for expansion

On Board PC 104 Expansion

- One 16 bit PC104 connector on board

Watchdog Timer

- 1, 2, 4...64 seconds time-out intervals

Dimensions

- 203mm(L) x 146mm(W)

Power Requirements

- +5V: 10A (Max.)
- +12V: 500mA (Max.)
- +3.3V: 5A (Max.)

Environments

- Operating temperatures: 0°C to 60°C
- Storage temperatures: -20°C to 80°C
- Relative humidity: 10% to 90% (Non-condensing)

Certification

- CE approval
- FCC Class A

Model Available

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