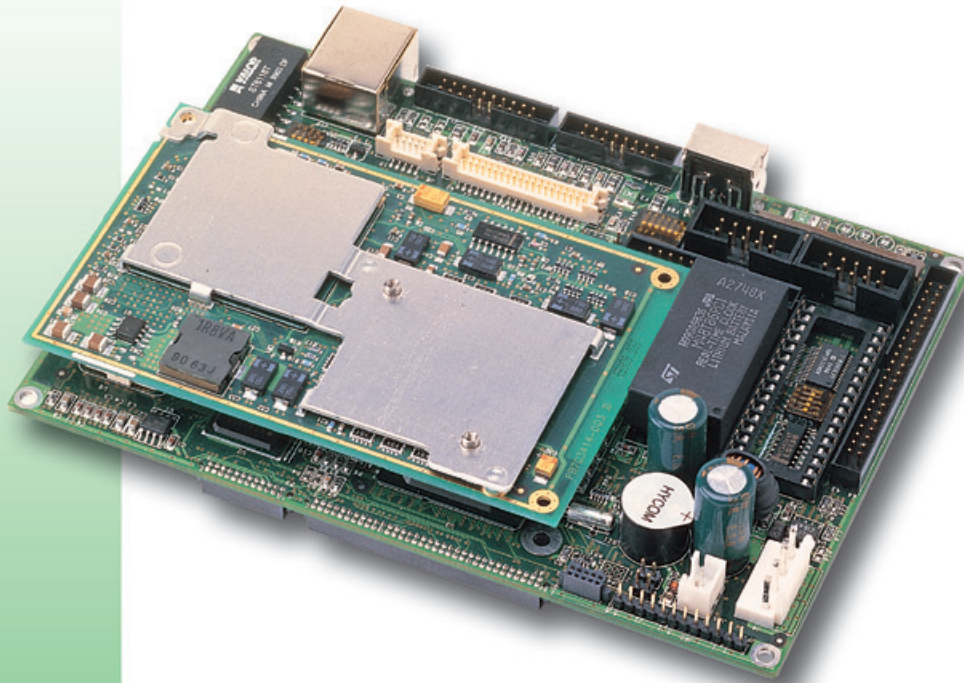


EBC 360P

3.5" MMC2 Pentium II/III Embedded Controller
w/VGA/LAN

Smallest PIII Engine w/MMC2



Introduction

The EBC 360P is a 3.5" embedded controller built with the unique MMC2 architecture, and support Intel Mobile Module (IMM) with Pentium II/III from 233 MHz to 500 MHz. The EBC 360P adopts the Mini C&T 69000 VGA/panel controller with the embedded 2 MB SDRAM. The Intel 82559 single-chip Ethernet controller is on board to support either 10Base -T or 100Base-TX that complies with the industry standard. In addition, the EBC 360P is built with PCI connector for future expansion.

Features

- ◆ Intel MMC2 Based CPU module support Pentium II/III up to 500MHz
- ◆ 256MB SDRAM (Max.) memory support, SO-DIMM x 1
- ◆ C&T 69000 VGA Controller with CRT/LCD support
- ◆ Intel 82559 10/100 Base Ethernet Controller
- ◆ PCI/ZV port expansion connector on board
- ◆ On board socket for DiskOnChip up to 144MB
- ◆ 2S1P, IDE x 1, FDC x 1

EBC 360P

Specifications

System Architecture

- Intel Mobile Module (IMM) based embedded controller
- MMC2 controller dedicated to Pentium II / III CPU
- All features on board (SSD, Ethernet, VGA, LCD Panel)
- Micro board with standard 3.5" drive form factor
- World's smallest Pentium III embedded controller

CPU Support

- Intel Mobile Module (IMM) MMC2 (400 pin) CPU support
- Intel Pentium II / III 233MHz to 500MHz
- 256/512KB L2 Cache on module
- Intel 440BX AGP set on module

Main Memory

- SDRAM support
- 8MB to 256MB (Max.)
- 144pin SO-DIMM socket×1

BIOS

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

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)
1280×1024	256	60
1024×768	16bits (High color)	85, 75, 60
800×600	24bits (True color)	85, 75, 60

- VGA driver support: Windows 95/98, Windows NT4.0
- 15 pin CRT connector×1, Universal LCD Panel connector×1

On Board LAN

- Intel 82559 Single chip Ethernet controller
- 10 Base/100 Base TX support, full duplex
- Complied with PCI V2.1, IEEE802.3, IEEE 802.3U
- Driver support: DOS/Windows, Netware, Windows 95/98, Windows NT4.0
- RJ45 connector×1

On Board I/O

- Winbond 83977 Super I/O on board
- SIO×2(RS232/422/485×1, jumper selectable), 10 pin connector×2
- PIO×1, Bi-directional, EPP/ECP support, 26 pin connector×1
- Floppy disk controller: 3.5" 720K/1.2MB/1.44MB/2.88MB support, 26 pin connector×1
- On chip enhanced IDE×1: PIO up to mode 4, DMA master up to mode 2, 44 pin connector×1

- Keyboard, mouse controller: 6 pin mini DIN connector×1 (both KBD & mouse, PS/2 mode)
- USB port×1
- IrDA pin reserved
- On board buzzer×1
- On board power connector: 4 pin additional power connector×2
- 2 pin header for reset SW×1
- 5 pin for keylock×1

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~144MB, etc

Watchdog Timer

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

Integrated Connector for

- LAN×1, USB×1, KBD×1, Mouse×1, 20 pin connector with housing

PCI Expansion

- PCI/ZV port expansion connector reserved

Dimensions

- 145mm(L)×102mm(W)

Power Requirements

- +5V: 6A (Max.)
- +12V: 4A (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

EBC 360P

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