



performance in multimedia applications including 3Dgraphics ,  
video decoding/encoding , and speech recognition.

- . Support for MMX technology
- . Internet Streaming SIMD instructions and full compatibility with IA-32 software
- . Micro-op Fusion and Advanced Stack Management
- . Advanced branch prediction architecture
- . Double-precision floating-point instruction enhance performance
- . Voltage spec from IMVP- IV 0.700 to 1.708V provide CPU Vcore
- . 400MHz ,source-synchronous FSB
- . 2 x Address , 4 x Data ,12 deep in-order queue.

#### **System Chipset list :**

Intel Mobile Chipset Intel 82852GM and Intel 82801DB ICH4

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- . CPU: Intel Celeron M 600MHz(FSB400MHz)FCBGA 479  
L1 64KB ,L2 512KB on board
- . MB chipset: Intel 82852GM and Intel 82801DB ICH4
- . VGA chipset: Intel 8252GM/82855 Integrated Graphics chipset
- . Sound Chipset: Realtek ALC 650 AC97 2.3 SOUND
- . LAN: Intel 82540EM/82541GI/Realtek RTL8100C/RTL8110SB three type optional.
- . I/O: ITE IT8712F (IX)IO

#### **Memory :**

- . Supports two double-sided DIMM with un-buffered PC 1600/2100 DDR-SDRAM
- . Supports 64Mbit,128Mbit,256Mbit,512Mbit for x 8 and x 16 width devices
- . Maximum of 1Gbytes of system by using 512Mbit devices(double sided)
- . 852GM chipset Supports 200MHz and 266MHz DDR 64-bit data devices
- . Supports up to simultaneous open pages

#### **Graphic / Video :**

- . Internal Graphics Memory Up to 64MB of dynamic video memory allocation
- . Display/render frequency up to 250 MHz
- . 3DvSetup and render engine , Zone rendering ,High-quality performance texture engine
- . 350MHz integrated 24-bit RAMDAC , Hardware color cursor support.
- . Accompanying I C and DDC channels provided through multiplexed interface.
- . Dual independent pipe for dual independent display
- . Simultaneous :Same images and native display timings on each display device.
- . Improved hardware motion compensation for MPEG2, all format decoder (18 ATSC formats)  
supported , Dynamic Bob and Weave support video streams.  
Software DVD at 60 Fields/second and 30 frames / second full screen

#### **LVDS Interface :**

- . Single or dual channel LVDS panel support up to UXGA panel resolution with frequency  
range from 25MHz to 112MHz per channel
- . Supports data format of 18 bits LVDS interface

#### **PCI Bus Master IDE:**

- . Supports "Native Mode" register and interrupts.

- . Independent timing of up to 4 drives, with separate primary and secondary IDE cable and secondary IDE cable connectors
- . Ultra ATA 100/66/33, BM IDE and PIO modes
- . Tri-state modes to enable swap bay.
- . One 40pin 2.54mm and One 44pin 2.0mm two type connectors.
- . Support Compact Flash card type II for ATA interface.

#### **Audio:**

- . AC-Link for Audio CODEC
- . Supports AC'97 2.3
- . Support for up two channels of PCM audio out (full AC3 decode)
- . CD-in / Mic-in / Line-in support

#### **USB:**

- . Includes three UHCI host controllers that support six external ports
- . Includes one EHCI high-speed USB 2.0 Host Controller that supports all six ports
- . Supports Legacy keyboard / mouse software.

#### **IO Function:**

- . LPC (Low Pin Count) Interface
- . Supports Hardware Monitor Controller
- . One port 16C550 UARTs RS232 and one port Supports IrDA 1.0 / ASKIR Protocols
- . Supports PS2 keyboard and PS2 mouse

#### **LAN (Option 1 : 4 x Realtek 10/100M-Default )**

#### **LAN (Option 2 : 4 x Realtek 10/100/Giga bit)**

#### **LAN (Option 3 : 4 x Intel 10/100/Giga bit)**

#### **DIO and WDT function:**

- . Hardware Watch Dog Timer support can programmable 0-255 sec
- . Hardware Digital Input Output provide 4 input and 4 output

#### **Expend Interface:**

- . On board Industry spec PC-104 Plus Maximum can expend to four pcs PC 104 Plus card .
- . One Min PCI socket for only PCI rev:2.2 interface.

#### **Others function:**

- . One Compact Flash Reader for IDE BUS ATA type II spec

#### **DC 12V in (TBD for test):**

On board power DC +12V +-5% convert into system +3.3v/+12v/+5v

#### **Front Connector Header:**

- . One power switch for power on
- . One power LED
- . One HDD LED
- . Six LAN LED
- . One Line-out Phone jack
- . One MIC-in Phone jack

#### **Back Panel Connectors:**

- . One DC 12V in power mini den jack
- . One DB-15PIN VGA and PS2 Keyboard and Mouse port

- . Four ports USB
- . One DB-9Pin Com port
- . Four ports LAN RJ45 jack
- . One port Line-out Phone jack

**BIOS:**

- . Award BIOS version 6.1
- . Support DMI 2.0 function
- . ACPI v1.0 compliant
- . APM v1.2 compliant
- . Windows 9x/ME/2000 Plug and play BIOS

**Dimension:**

- . 200 x 150 mm

**Case for CI852A M/B**

- . Neo
- . Twister
- . LIGHT

**Order information:**

Model Name	CPU	Lan Ports	PC104Plus
CI852A-4RP60	Celeron M 600Mhz	4 x 10/100 Realtek	Yes
CI852A-4RN60	Celeron M 600Mhz	4 x 10/100 Realtek	No

