M266A

User Manual

Version 3.0
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ASRock Website: http://www.asrock.com

Contents

Chapter 1 Introduction

Thank you for purchasing ASRock M266A motherboard, a reliable motherboard produced under ASRock's consistently stringent quality control. It delivers excellent performance with robust design conforming to ASRock's commitment to quality and endurance.

Chapter 1 and 2 of this manual contain introduction of the motherboard and step-by-step installation guide for new DIY system builders. Chapter 3 and 4 contain basic BIOS setup and Support CD information.

Because the motherboard specifications and the BIOS software might be updated, the content of this manual will be subject to change without notice. In case any modifications of this manual occur, the updated version will be available on ASRock website without further notice. You may find the latest memory and CPU support lists on ASRock website as well.

ASRock website http://www.asrock.com

1.1 Package Contents

ASRock M266A motherboard (Micro ATX form factor: 9.6" x 7.5", 24.4 x 19.1 cm)
ASRock M266A Quick Installation Guide
ASRock Intel-VIA Support CD
1 Cable for IDE devices (1 x ATA 66/100/133)
1 Cable for floppy drive (1 x ribbon cable)
1 ASRock I/O shield
1 COM port bracket
1 ASRock MR card (optional)

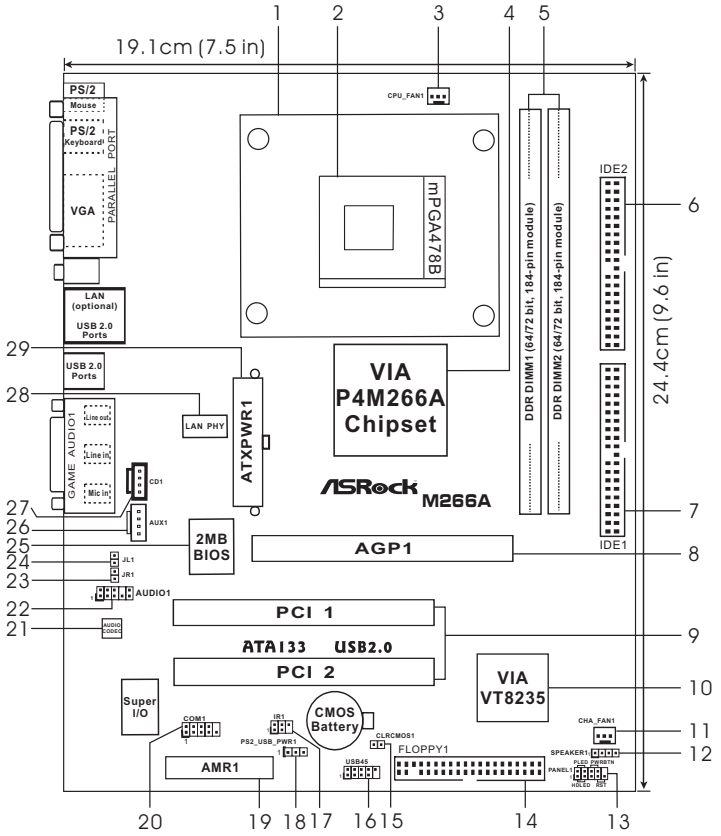
1.2 Specifications

Platform:	Micro ATX form factor (9.6" x 7.5", 24.4 x 19.1 cm)
CPU:	Socket 478 for Intel® Pentium® 4 / Celeron® processor
Chipsets:	North Bridge: VIA P4M266A, FSB@533 / 400 MHz with Hyper-Threading Technology ready (see **CAUTION 1**); South Bridge: VIA VT8235, supports USB 2.0, ATA 133
Memory:	2 DDR DIMM Slots: DDR DIMM1 and DDR DIMM2 support PC1600 (DDR200) / PC2100 (DDR266), Max. 2GB
IDE:	IDE1: ATA 133 / Ultra DMA Mode 6; IDE2: ATA 133 / Ultra DMA Mode 6; Can connect up to 4 IDE devices
Floppy Port:	Supports 2 floppy disk drives
Audio:	2 channels AC'97 Audio
LAN:	Speed: 802.3u (10/100 Ethernet), supports Wake-On-LAN
Hardware Monitor:	CPU temperature sensing; Chassis temperature sensing; Voltage monitoring: +12V, +5V, +3V, Vcore; CPU fan tachometer; Chassis fan tachometer
PCI slots:	2 slots with PCI Specification 2.2
AGP slot:	1 universal AGP slot, supports 3.3V/1.5V, 4X/2X/1X AGP card
AMR slot:	1 slot, supports ASRock MR card (optional)
USB 2.0:	4 default USB 2.0 ports and a set of header for two additional USB 2.0 ports upgrade (see **CAUTION 2**)
ASRock I/O™:	PS/2: 1 keyboard port / 1 mouse port; 1 RJ 45 port; 4 rear default USB 2.0 ports; 1 VGA port; 1 parallel port: ECP/EPP support; Audio Jack: Line Out / Line In / Microphone + 1 Game port
BIOS:	AMI BIOS; Supports "Plug and Play"; ACPI 1.1 compliance wake up events; Supports jumperfree; SMBIOS 2.3.1 support; CPU frequency stepless control (only for advanced users' reference, see **CAUTION 3**)
OS:	Microsoft® Windows® 98SE / ME / 2000 / XP compliant

CAUTION!

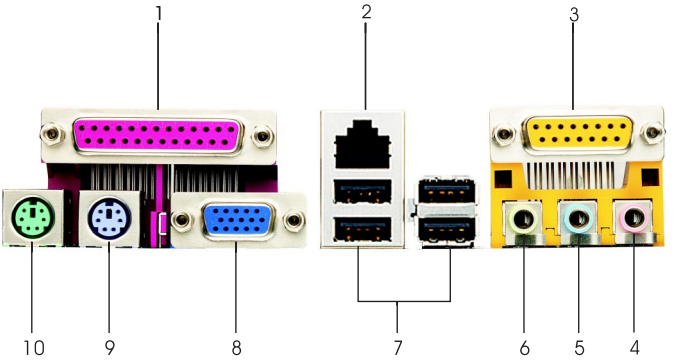
1. About the setting of “Hyper Threading Technology”, please check page 21.
2. Power Management for USB 2.0 works fine under Microsoft® Windows® XP. It may not work properly under Microsoft® Windows® 98/ME/2000. Please refer to Microsoft® official document at http://www.microsoft.com/whdc/hwdev/bus/USB/USB2support.mspx
3. Although M266A offers stepless control, it is not recommended to perform over clocking. When the CPU frequency of M266A is set to perform over clocking, other clocks, such as PCI clock, AGP clock, and Memory clock will also be overclocked proportionally. Frequencies other than the recommended CPU bus frequencies may cause the instability of the system or damage the CPU and the motherboard.

1.3 Motherboard Layout



1	CPU Heatsink Retention Module	2	CPU Socket
3	CPU Fan Connector (CPU_FAN1)	4	North Bridge Controller
5	184-pin DDR DIMM Slots (DDR DIMM1- 2)	6	Secondary IDE Connector (IDE2, Black)
7	Primary IDE Connector (IDE1, Blue)	8	Accelerated Graphics Port (AGP1)
9	PCI Slots (PCI 1- 2)	10	South Bridge Controller
11	Chassis Fan Connector (CHA_FAN1)	12	Speaker Connector (SPEAKER 1)
13	System Panel Connector (PANEL1)	14	Floppy Connector (FLOPPY1)
15	Clear CMOS Jumper (CLRCMOS1)	16	USB 2.0 Header (USB45, Blue)
17	Infrared Module Connector (IR1)	18	PS2_USB_PWR1 Jumper
19	AMR Slot (AMR1)	20	Serial Port Connector (COM1)
21	AUDIO CODEC	22	Front Panel Audio Connector (AUDIO1)
23	JR1 Jumper	24	JL1 Jumper
25	Flash Memory	26	Internal Audio Connector: AUX1 (White)
27	Internal Audio Connector: CD1 (Black)	28	LAN PHY
29	ATX Power Connector (ATXPWR1)		

1.4 ASRock I/O™



1	Parallel Port	2	RJ-45 Port
3	Game Port	4	Microphone (Pink)
5	Line In (Light Blue)	6	Line Out (Lime)
7	USB 2.0 Ports	8	VGA Port
9	PS/2 Keyboard Port (Purple)	10	PS/2 Mouse Port (Green)

Chapter 2 Installation

M266A is a Micro ATX form factor (9.6" x 7.5", 24.4 x 19.1 cm) motherboard. Before you install the motherboard, study the configuration of your chassis to ensure that the motherboard fits into it.

Make sure to unplug the power cord before installing or removing the motherboard. Failure to do so may cause physical injuries to you and damages to motherboard components.

2.1 Screw Holes

Place screws into the holes indicated by circles to secure the motherboard to the chassis.

Do not over-tighten the screws! Doing so may damage the motherboard.

2.2 Pre-installation Precautions

Take note of the following precautions before you install motherboard components or change any motherboard settings.

1. Unplug the power cord from the wall socket before touching any component.
2. To avoid damaging the motherboard components due to static electricity, NEVER place your motherboard directly on the carpet or the like. Also remember to use a grounded wrist strap or touch a safety grounded object before you handle components.
3. Hold components by the edges and do not touch the ICs.
4. Whenever you uninstall any component, place it on a grounded antistatic pad or in the bag that comes with the component.
   Before you install or remove any component, ensure that the power is switched off or the power cord is detached from the power supply. Failure to do so may cause severe damage to the motherboard, peripherals, and/or components.

2.3 CPU Installation

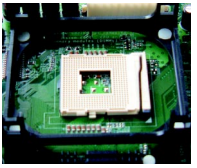
Step 1. Unlock the socket by lifting the lever up to a 90° angle.

Step 2. Position the CPU directly above the socket such that its marked corner matches the base of the socket lever.

Step 3. Carefully insert the CPU into the socket until it fits in place.

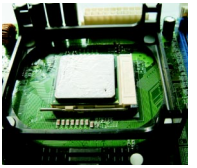
The CPU fits only in one correct orientation. DO NOT force the CPU into the socket to avoid bending of the pins.

Step 4. When the CPU is in place, press it firmly on the socket while you push down the socket lever to secure the CPU. The lever clicks on the side tab to indicate that it is locked.



Step 1

Step 2, 3



Step 4

2.4 Installation of CPU Fan and Heatsink

Intel® Pentium 4® and Celeron® CPU requires larger heatsink and cooling fan. Thermal grease between the CPU and the heatsink is also needed to improve heat transfer. Make sure that the CPU and the heatsink are securely fastened and in good contact with each other. For proper installation, please kindly refer to the instruction manuals of vendors of CPU fan and heatsink.

2.5 Installation of Memory Modules (DIMM)

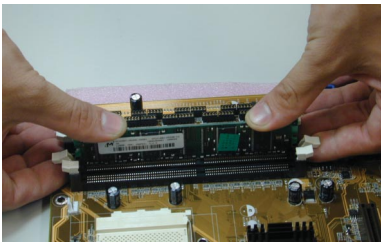
M266A motherboard provides two 184-pin DDR (Double Data Rate) DIMM slots.

Please make sure to disconnect power supply before adding or removing DIMMs or the system components.

Step 1. Unlock a DIMM slot by pressing the retaining clips outward.

Step 2. Align a DIMM on the slot such that the notch on the DIMM matches the break on the slot.

Step 3. Firmly insert the DIMM into the slot until the retaining clip snap back in place and the DIMM is properly seated.



2.6 Expansion Slots (PCI, AMR, and AGP Slots)

There are 2 PCI slots, 1 AMR slot, and 1 AGP slot on M266A motherboard.

PCI slots: PCI slots are used to install expansion cards that have the 32-bit PCI interface.

AMR slot: AMR slot is used to insert an ASRock MR card (optional) with v.92 Modem functionality.

AGP slot: The AGP slot is used to install a graphics card.
The ASRock AGP slot has a special locking mechanism which can securely fasten the graphics card inserted.

Installing an expansion card

Step 1. Before installing the expansion card, read the documentation of the expansion card and make necessary hardware settings for the card.

Step 2. Remove the system unit cover (if your motherboard is already installed in a chassis).

Step 3. Remove the bracket facing the slot that you intend to use. Keep the screws for later use.

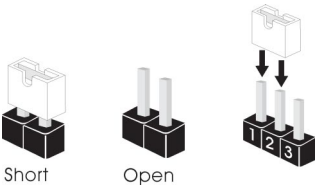
Step 4. Align the card connector with the slot and press firmly until the card is completely seated on the slot.

Step 5. Fasten the card to the chassis with screws.

Step 6. Replace the system cover.

2.7 Jumpers Setup

The illustration shows how jumpers are setup. When the jumper cap is placed on pins, the jumper is “SHORT”. If no jumper cap is placed on pins, the jumper is “OPEN”. The illustration shows a 3-pin jumper whose pin1 and pin2 are “SHORT” when jumper cap is placed on these 2 pins.



Jumper	Setting	Description
PS2_USB_PWR1 (see p.7 item 18)		Short pin2, pin3 to enable +5VSB (standby) for PS/2 or USB wake up events.

Note: To select +5VSB, it requires 2 Amp and higher standby current provided by power supply.

JR1 (see p.7 item 23)
JL1 (see p.7 item 24)

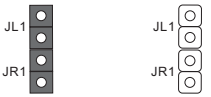


fig. 1 fig. 2

Note: When you connect speakers in back panel and front panel at the same time,
1. If the jumpers JL1 and JR1 are short (see fig. 1), both front panel and rear panel audio connectors can work.
2. If both jumper caps on JL1 and JR1 are removed (see fig. 2), only front panel audio works.

However, it requires your front panel to support the function.

Clear CMOS

CLRCMOS1 (see p.7 item 15)

2-pin jumper

Note: CLRCMOS1 allows you to clear the data in CMOS. The data in CMOS includes system setup information such as system password, date, time, and system setup parameters. To clear and reset the system parameters to default setup, please turn off the computer and unplug the power cord, then use a jumper cap to short the pins on CLRCMOS1 for 3 seconds. Please remember to remove the jumper cap after clearing the CMOS.

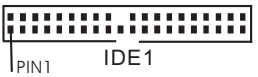
2.7 Connectors

Connectors are NOT jumpers. DO NOT place jumper caps over these connectors.

Connector	Figure	Description
FDD connector (33-pin FLOPPY1) (see p.7 item 14)		

Note: Match the red marking on the floppy ribbon cable with Pin1

Primary IDE connector (Blue)
(39-pin IDE1, see p.7 item 7)



Secondary IDE connector (Black)
(39-pin IDE2, see p.7 item 6)

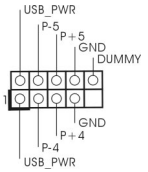
connect the blue end to the motherboard

connect the black end to the IDE devices

80-Pin ATA 100/133 cable

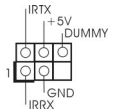
Note: To optimize compatibility and performance, please connect your hard disk drive to the primary IDE connector (IDE1, blue) and CD-ROM to the secondary IDE connector (IDE2, black).

USB 2.0 header
(9-pin USB45)
(see p.7 item 16)



ASRock I/O™ provides you 4 default USB 2.0 ports on the rear panel. If the rear USB ports are not sufficient, this USB 2.0 header is available for 2 additional USB 2.0 ports.

Infrared module connector
(5-pin IR1)
(see p.7 item 17)



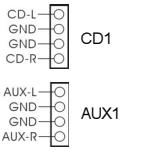
This connector supports an optional wireless transmitting and receiving infrared module.

Internal audio connectors

(4-pin CD1, 4-pin AUX1)

(CD1: see p.7 item 27)

(AUX1: see p.7 item 26)

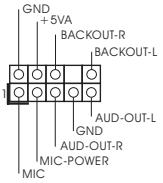


These connectors allow you to receive stereo audio input from sound sources such as a CD-ROM, DVD-ROM, TV tuner card, or MPEG card.

Front panel audio connector

(9-pin AUDIO1)

(see p.7 item 22)

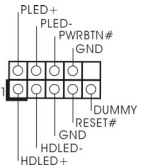


This is an interface for front panel audio cable that allows convenient connection and control of audio devices.

System panel connector

(9-pin PANEL1)

(see p.7 item 13)

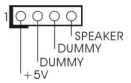


This connector accommodates several system front panel functions.

External speaker connector

(4-pin SPEAKER 1)

(see p.7 item 12)

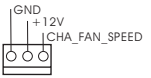


This connector allows you to attach to an external speaker.

Chassis fan connector

(3-pin CHA_FAN1)

(see p.7 item 11)

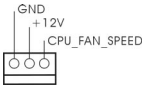


Connect the fan cable to the connector matching the black wire to the ground pin.

CPU fan connector

(3-pin CPU_FAN1)

(see p.7 item 3)

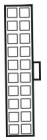


Connect the fan cable to the connector matching the black wire to the ground pin.

ATX power connector

(20-pin ATXPWR1)

(see p.7 item 29)

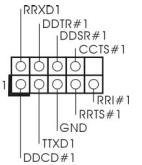


Connect an ATX power supply to the connector.

Serial port connector

(9-pin COM1)

(see p.7 item 20)



This COM1 header supports a serial port module.

Chapter 3 BIOS Setup

3.1 BIOS Setup Utility

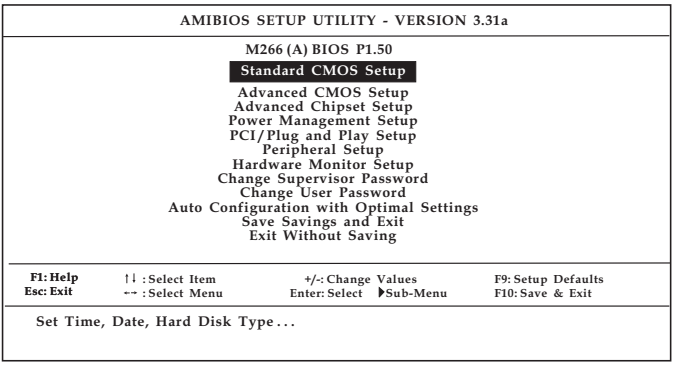
This section explains how to configure your system using the BIOS Setup Utility. The Flash Memory on the motherboard stores the BIOS Setup Utility. When you start up the computer, there is a chance for you to run the BIOS Setup. Press <F2> during the Power-On-Self-Test (POST) to enter the BIOS Setup Utility, otherwise, POST continues with its test routines.

If you wish to enter the BIOS Setup after POST, restart the system by pressing <Ctl> + <Alt> + <Delete>, or by pressing the reset button on the system chassis. You can also restart by turning the system off and then back on.

Because the BIOS software is constantly being updated, the following BIOS setup screens and descriptions are for refer ence purpose only, and may not exactly match what you see on your screen.

3.2 BIOS Setup Utility Main Menu

When you enter the BIOS Setup utility, the following screen appears:



The main menu of the Setup Utility displays a list of the options that are available. The highlighted item is currently selected. Use ↑ ↓ arrow keys to move the highlight bar to select items, then press <Enter> to make configuration for a specific item.

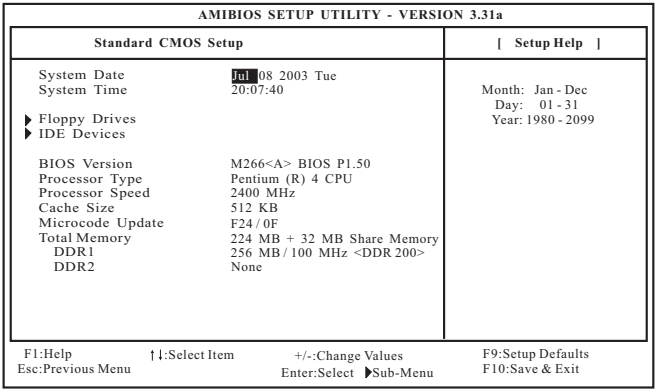
3.3 Legend Bar

At the bottom of all the Setup Screen is a legend bar. The following table lists the keys in the legend bar with their corresponding functions:

Navigation Key(s)	Function Description
<F1>	Displays the General Help Screen
<ESC>	Jumps to the Exit menu or returns to the upper menu from the current menu
↑ / ↓	Moves cursor up or down between fields
←/ →	Selects menu to the left or right
+ / -	Increases or decreases values
<Enter>	Brings up a selected menu for a highlighted field
<F9>	Loads all the setup items to the default value
<F10>	Saves changes and exits Setup

3.4 Standard CMOS Setup

This menu lists out the basic information about your system.



System Date [Month/Day/Year]

Set the system date that you specify. Valid values for month, day, and year are Month: [Jan to Dec], Day: [1 to 31], Year: [1980 to 2099). Use ↑ ↓ keys to move between the Month, Day and Year fields.

System Time [Hour:Minute:Second]

Set the system to the time that you specify. Use ↑ ↓ keys to move between the Hour, Minute and Second fields.

Floppy Drives

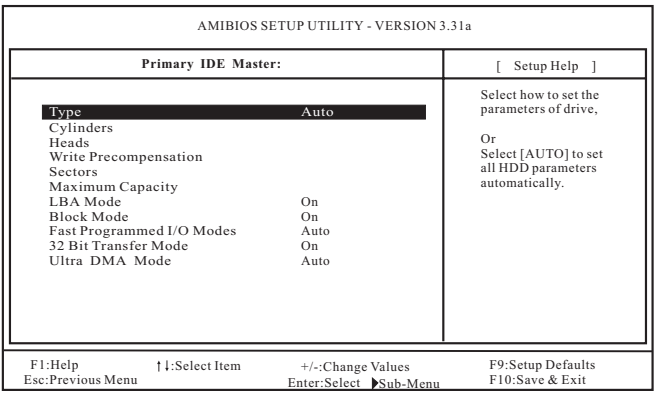
Use this to set the type of floppy drives installed.

IDE Devices

Use this to configure IDE devices.

There are two IDE channels (Primary and Secondary) available in your system, and each channel can be installed with one or two devices (Master and Slave). Use these items to configure each device on the IDE channel.

Highlight “Primary IDE Master” then press <Enter> to display the submenu:



TYPE

It allows user to select the type of the IDE Drive. Below are the configuration options. After making your selections on this sub-menu, press <ESC> key to return to the upper menu, in whcih the hard disk drive field will display the size for the hard disk drive that you configured.

[USER]: It allows user to manually enter the number of cylinders, heads, and sectors per track for the drive.

Before attempting to configure a hard disk drive, make sure you have the correct configuration information supplied by the drive manufacturer. Incorrect settings may cause the system to fail to recognize the installed hard disk.

[Auto]: Select [Auto] to automatically detect hard disk drive. If auto-detection is successful, the BIOS Setup automatically fills in the correct values for the remaining fields on this sub-menu. If the auto-detection fails, it may due to that the hard disk is too old or too new. If the hard disk was already formatted on an older system, the BIOS Setup may detect incorrect parameters. In these cases, select [User] to manually enter the IDE hard disk drive parameters.

After entering the hard disk information into BIOS, use a disk utility, such as FDISK, to partition and format new IDE hard disk drives. This is necessary so that you can write or read data from the hard disk. Make sure to set the partition of the Primary IDE hard disk drives to active.

[CD/DVD]: This is used for IDE CD/DVD drives.

[ARMD]: This is used for IDE ARMD (ATAPI Removable Media Device), such as MO.

Cylinders

This is used to configure the number of cylinders. Refer to the drive documentation to determine the correct value.

Heads

This is used to configure the number of read/write heads. Refer to the drive documentation to determine the correct values.

Write Precompensation

Enter Write Precompensation sector. Refer to the drive documentation to determine the correct value.

Sectors

This is used to configure the number of sectors per track. Refer to the drive documentation to determine the correct value.

Maximum Capacity

This field shows the drive's maximum capacity as calculated by the BIOS based on the drive information you entered.

LBA Mode

This allows user to select the LBA mode for a hard disk > 512 MB under DOS and Windows; for Netware and UNIX user, select [Off] to disable the LBA mode.

Block Mode

Set the block mode to [On] will enhance hard disk performance by reading or writing more data during each transfer.

Fast Programmed I/O Modes

This allows user to set the PIO mode to enhance hard disk performance by optimizing the hard disk timing.

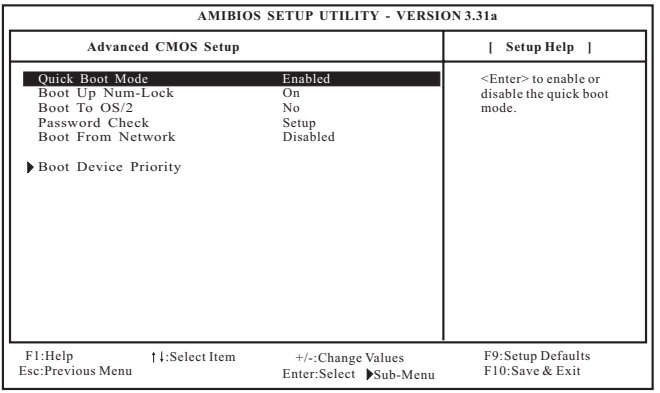
32 Bit Transfer Mode

It allows user to enable 32-bit access to maximize the IDE hard disk data transfer rate.

Ultra DMA Mode

Ultra DMA capability allows improved transfer speeds and data integrity for compatible IDE devices. Set to [Disabled] to suppress Ultra DMA capability.

3.5 Advanced CMOS Setup



Quick Boot

This mode speeds up the boot-up routine by skipping memory retestings.

Boot Up Num-Lock

This automatically activates the Numeric Lock function after boot up.

Boot to OS/2

This enables boot up to OS/2 operating system.

Password Check

Select the check point for “Password Check”. Configuration options: [Setup], [Always]. If [Setup] option is selected, the “Password Check” is performed before BIOS setup. If [Always] option is selected, the “Password Check” is performed before both boot-up and BIOS setup.

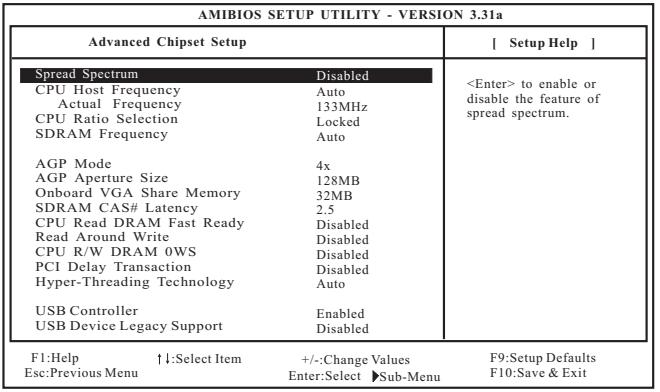
Boot From Network

Use this to enable or disable “boot from network” feature.

Boot Device Priority

Use this to select the priority and order of the devices that your system searches for an operating system at start-up time.

3.6 Advanced Chipset Setup



Spread Spectrum

This field should always set to be “Disabled” for better system stability.

CPU Host Frequency

This allows you to set the front side bus frequency for the installed processor.

[Auto]

The motherboard detects the jumper setup and sets the CPU host frequency automatically.

[Manual]

This allows user to set CPU host frequency manually. However, this is not recommended unless user thoroughly knows the feature. Wrong setup may cause problems during operation.

CPU Ratio Selection

CPU Ratio is the multiple that times the frontside bus frequency will equal the core speed of the installed processor. Whether the option is open or locked is determined by the installed processor.

SDRAM Frequency

If [Auto] is selected, the motherboard will detect the memory module(s) inserted and assigns appropriate frequency automatically.

AGP Mode

The default is 4X. You may also choose 1X or 2X for older version of VGA cards.

AGP Aperture Size

It refers to a section of the PCI memory address range used for graphics memory. We recommend that you leave this field at the default value unless your AGP card requires other sizes.

OnBoard VGA Share Memory

This allows you to select the size of share memory for onboard VGA. OnBoard VGA will get better resolution if larger size of share memory is selected. Please do not select [Disabled] if PCI graphics card is not inserted.

SDRAM CAS# Latency:

This parameter controls the latency between the read command and the time the data available.

CPU Read DRAM Fast Ready

The default is [Disabled]. Leave on the default value for better system stability.

Read Around Write

The default is [Disabled]. Leave on the default value for better system stability.

CPU R/W DRAM 0WS

The default is [Disabled]. Leave on the default value for better system stability.

PCI Delay Transaction

Enable PCI Delay Transaction feature will free the PCI Bus when the CPU is accessing 8-bit ISA cards. Disable this feature when using ISA cards that are not PCI 2.1 compliant.

Hyper-Threading Technology

To enable this feature, it requires a computer system with an Intel Pentium® 4 processor that supports Hyper-Threading technology and an operating system that includes optimization for this technology, such as Microsoft® Windows® XP SP1. Set to [Auto] if using Microsoft® Windows® XP, or Linux kernel version 2.4.18 or higher. This option will be hidden if the current CPU does not support Hyper-Threading technology.

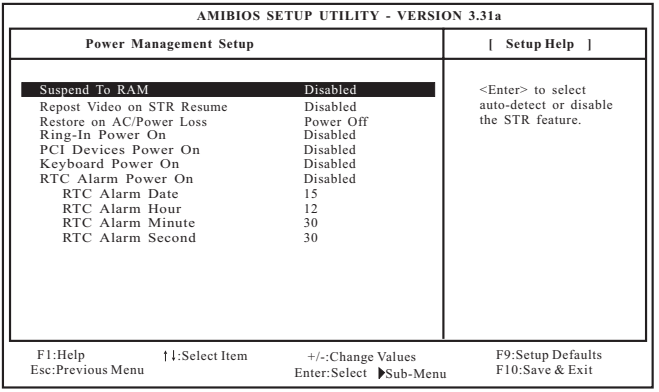
USB Controller

Use this to enable or disable the use of USB controller.

USB Device Legacy Support

Use this to enable or disable support to emulate legacy I/O devices such as mouse, keyboard,... etc.

3.7 Power Management Setup



Suspend to RAM

This field allows you to select whether to auto-detect or disable the ACPI Suspend-to-RAM feature. Select [Auto] will enable this feature if the system supports it.

Repost Video on STR Resume

This feature allows you to repost video on STR resume.

Restore on AC/Power Loss

This allows you to set the power state after an unexpected AC power loss. If [Power Off] is selected, the AC power remains off when the power recovers. If [Power On] is selected, the AC power resumes and the system starts to boot up when the power recovers.

Ring-In Power On

Use this to enable or disable Ring-in signals to turn on the system from the power-soft-off mode.

PCI Devices Power On

Use this to enable or disable PCI devices to turn on the system from the power-soft-off mode.

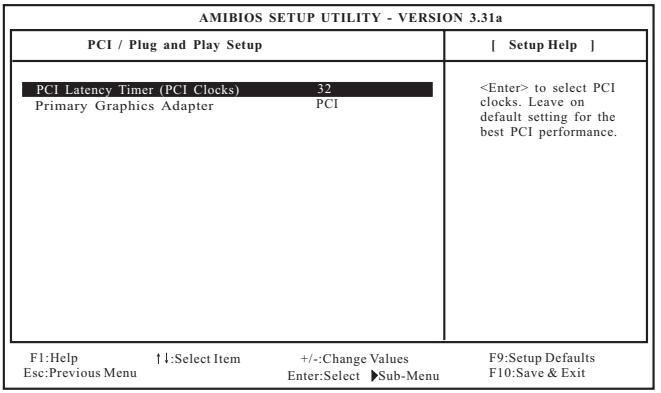
Keyboard Power On

Use this to enable or disable keyboard to turn on the system from the power-soft-off mode.

RTC Alarm Power On

Use this to enable or disable RTC (Real Time Clock) to power on the system. If [Enabled] is selected, you must fill the RTC Alarm Date / Hour / Minute / Second sub-fields with the actual wake up time you desire.

3.8 PCI / Plug and Play Setup



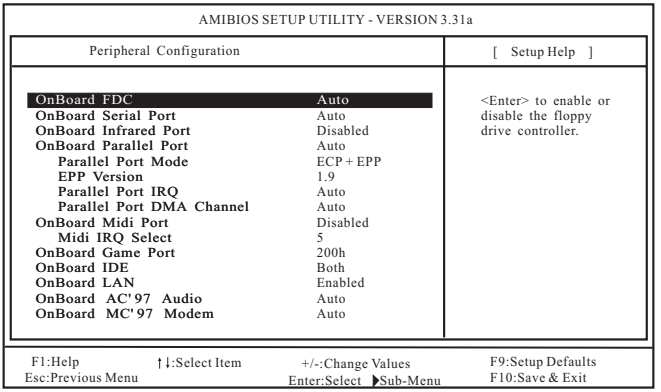
PCI Latency Timer (PCI Clocks)

The default is 32. It is recommended to keep the default value unless your PCI expansion cards' specifications require other settings.

Primary Graphics Adapter

Select [PCI], [Add-On AGP], or [OnBoard AGP] as the primary graphics adapter.

3.9 Peripheral Setup



OnBoard FDC

Use this to enable or disable floppy drive controller.

OnBoard Serial Port

Use this to set addresses for the onboard serial ports or disable serial ports. Configuration options: [Auto], [Disabled], [3F8 / IRQ4 /COM1], [2F8 / IRQ3 / COM2], [3E8 / IRQ4 / COM3], [2E8 / IRQ3 / COM4].

OnBoard Infrared Port

This allows you to enable or disable the onboard infrared port feature. Select [Auto] will enable this feature if the infrared module is installed.

OnBoard Parallel Port

Select Parallel Port address or disable Parallel Port.

Configuration options: [Auto], [Disabled], [378], [278].

Parallel Port Mode

Set the operation mode of the parallel port. The default value is [ECP+EPP]. If this option is set to [ECP+EPP], it will show the EPP version in the following item, “EPP Version”.

OnBoard Midi Port

Select address for Midi Port or disable Midi Port.

Configuration options: [Disabled], [330], [300], [290], [292].

OnBoard Game Port

Select address for Game Port or disable Game Port.

Configuration options: [Disabled], [200h], [208h].

OnBoard IDE

You may enable either the primary IDE channel or the secondary IDE channel. Or you may enable both the primary and the secondary IDE channels by selecting [Both]. Set to [Disabled] will disable the both.

Configuration options: [Disabled], [Primary], [Secondary], [Both].

OnBoard LAN

This allows you to enable or disable the “OnBoard LAN” feature.

OnBoard AC’97 Audio

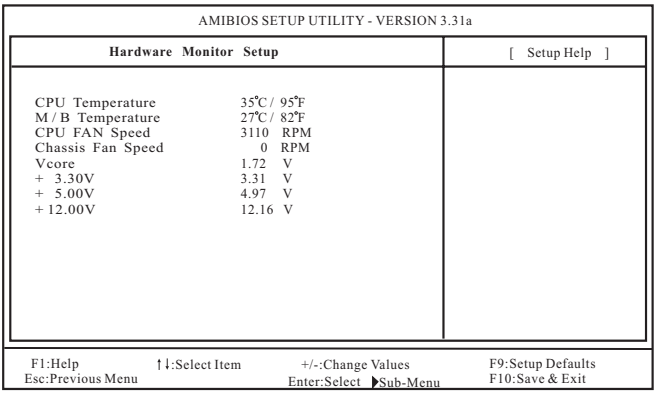
Select [Auto] or [Disabled] for the onboard AC’97 audio feature.

OnBoard MC’97 Modem

Select [Auto] or [Disabled] for the onboard MC’97 Modem feature.

3.10 Hardware Monitor Setup

You can select “Hardware Monitor Setup” to check the status of the hardware on your system. It allows you to monitor the parameters for CPU temperature, Motherboard temperature, CPU fan speed, and critical voltage.



3.11 Change Supervisor Password / Change User Password

These two options allow you to specify the supervisor / user password. Valid password can be a 1 to 6 alphanumeric characters combination.

3.12 Auto Configuration with Optimal Settings

When you select this option, it will pop up a dialog box that lets you install optimized defaults for all appropriate items in the BIOS Setup Utility. Press <Enter> to install the default values. The optimized default setting place demands on the system that may be greater than the performance level of the components, such as the CPU and the memory. You can cause fatal errors or instability if you install the optimized defaults when your hardware does not support them.

3.13 Save Settings and Exit

Select this item and press <Enter> to save the changes that you have made and exit the BIOS Setup Utility.

3.14 Exit Without Saving

Select this item and press <Enter> to exit the BIOS Setup Utility without saving any changes.

Chapter 4 Software Support

4.1 Install Operating System

This motherboard supports various Microsoft® Windows® operating systems: 98 SE/ ME/ 2000/ XP. Because motherboard settings and hardware options vary, use the setup procedures in this chapter for general reference only. Refer to your OS documentation for more information.

4.2 Support CD Information

The Support CD that came with the motherboard contains necessary drivers and useful utilities that enhance the motherboard features.

4.2.1 Running The Support CD

To begin using the support CD, insert the CD into your CD-ROM drive. The CD automatically displays the Main Menu if "AUTORUN" is enabled in your computer. If the Main Menu did not appear automatically, locate and double click on the file ASSETUP.EXE from the BIN folder in the Support CD to display the menus.

4.2.2 Drivers Menu

The Drivers Menu shows the available devices drivers if the system detects installed devices. Install the necessary drivers to activate the devices.

4.2.3 Utilities Menu

The Utilities Menu shows the applications software that the motherboard supports. Click on a specific item then follow the installation wizard to install it.

4.2.4 ASRock PC-DIY Live Demo Program

ASRock presents you a multimedia PC-DIY live demo, which shows you how to install your own PC system step by step. You can find the file through the following path:

..\MPEGAV\AVSEQ01.DAT

To see this demo program, you can run Microsoft® Media Player® to play the file.

4.2.5 Contact Information

If you need to contact ASRock or want to know more about ASRock, welcome to visit ASRock's website at http://www.asrock.com; or you may contact your dealer for further information.