P4VX4

User Manual

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Chapter 1 Introduction

Thank you for purchasing ASRock P4VX4 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.

For advanced users' reference, the Appendix appearing on page 21 offers more advanced BIOS setup 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.

ASRock website http://www.asrock.com

1.1 Package Contents

ASRock P4VX4 motherboard (ATX form factor: 12.0" x 7.5", 30.5 x 19.0 cm)
ASRock P4VX4 Quick Setup Guide
ASRock P4VX4 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

1.2 Specifications

Platform: ATX form factor (12.0" x 7.5", 30.5 x 19.0 cm)

CPU: Socket 478 for Intel® Pentium® 4 / Celeron® processor

Chipsets: North Bridge:
VIA P4X400, FSB 533/400 MHz,
with Hyper-Threading Technology ready;
South Bridge:
VIA VT8235, supports USB 2.0, ATA 133

Clock Generator: 100 MHz - 248MHz

Memory: 4 DDR DIMM slots:
PC1600 for 4 DDR DIMM slots, Max. 3.5GB;
PC2100 for 3 DDR DIMM slots, Max. 2GB;
PC2700 for 2 DDR DIMM slot, Max. 1GB

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 1 floppy disk drive

Audio: 5.1 channels AC'97 Audio

LAN: Speed: 802.3u (10/100 Ethernet), supports Wake-On-LAN

Hardware Monitor: CPU temperature sensing (ASRock U-COP);
Chassis temperature sensing;
CPU overheat shutdown to protect CPU life
(ASRock U-COP)(see **CAUTION 1**);
Voltage monitoring: +12V, +5V, +3V, Vcore;
CPU fan tachometer; Chassis fan tachometer

PCI slots: 5 slots with PCI Specification 2.2

AGP slot: 1 AGP slot, supports 1.5V, 8X/4X AGP card (see **CAUTION 2**)

USB 2.0: 4 default USB 2.0 ports and a set of header for 2 additional USB 2.0 ports upgrade (see **CAUTION 3**)

ASRock I/O™: PS/2: 1 keyboard port / 1 mouse port;
1 RJ 45 port;
4 rear default USB 2.0 ports;
1 serial port: COM1;
1 parallel port: ECP/EPP support;
Audio Jack: Line Out/ Line In/ Microphone + Game port

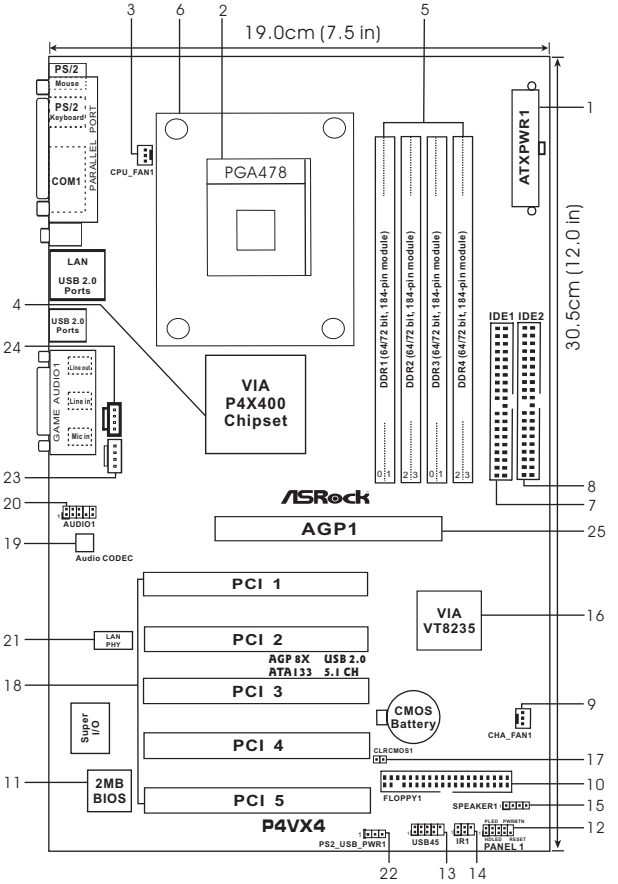
BIOS: AMI BIOS;
Supports “Plug and Play”;
ACPI 1.1 compliance wake up events;
Supports jumperfree;
SMBIOS 2.3.1 support;
CPU frequency stepless control
(only for advanced users’ reference, see **CAUTION 4**)

OS: Microsoft® Windows® 98SE / ME / 2000 / XP compliant

CAUTION!

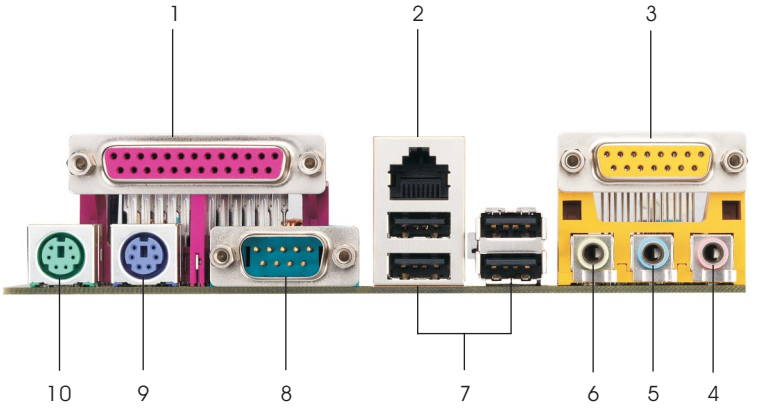
1. If the CPU is overheated, please check if the CPU fan on the motherboard functions properly before you resume the system. To improve heat dissipation, remember to spray thermal grease between the CPU and the heatsink when you install the PC system.
2. Do NOT use a 3.3V AGP card on P4VX4’s AGP slot!
   It may cause permanent damage!
3. 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/HWDEV/BUS/usb/USB2support.asp
4. Although P4VX4 offers stepless control, it is not recommended to perform over clocking. When the CPU frequency of P4VX4 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	ATX power connector (ATXPWR1)
2	CPU socket
3	CPU fan connector (CPU_FAN1)
4	North Bridge controller
5	184-pin DDR DIMM slots (DDR1- 4)
6	CPU heatsink retention module
7	Primary IDE connector (IDE1, blue)
8	Secondary IDE connector (IDE2, black)
9	Chassis fan connector (CHA_FAN1)
10	Floppy connector (FLOPPY1)
11	Flash Memory
12	System panel connector (PANEL1)
13	USB header (USB45, blue)
14	Infrared module connector (IR1)
15	Speaker connector (SPEAKER 1)
16	South Bridge controller
17	Clear CMOS (CLRCMOS1: 2-pin jumper)
18	PCI slots (PCI1- 5)
19	AUDIO CODEC
20	Front panel audio connector (AUDIO1)
21	LAN PHY
22	PS2_USB_PWR1 jumper
23	Internal audio connector: AUX1 (white)
24	Internal audio connector: CD1 (black)
25	AGP slot (AGP1)

1.4 ASRock I/O™



1	Parallel port	6	Line Out (Lime)
2	RJ-45 port	7	USB 2.0 ports
3	Game port	8	Serial port: COM1
4	Microphone (Pink)	9	PS/2 keyboard port (Purple)
5	Line In (Light Blue)	10	PS/2 mouse port (Green)

Chapter 2 Installation

P4VX4 is an ATX form factor (12.0" x 7.5", 30.5 x 19.0 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

1. 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. 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 remove any component, place it on a grounded antistatic pad or in the bag that comes with the component.

2.3 CPU Installation

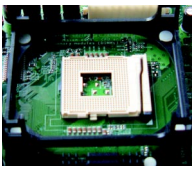
Step 1. Unlock the socket by lifting the lever up to a 90° angle.

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

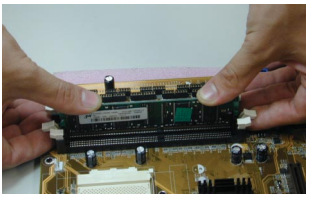
Intel® Pentium 4® and Celeron® CPU requires larger heatsink and cooling fan. Thermal grease between the CPU and the heatsink is also needed to improve heat transfer. Make sure that the CPU and the heatsink are securely fastened and in good contact with each other. For proper installation, please kindly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

2.5 Installation of Memory Modules (DIMM)

P4VX4 motherboard provides four 184-pin DDR (Double Data Rate) DIMM slots (DDR1: blue, DDR2: black, DDR3: blue, DDR4: black).

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 and AGP Slots)

There are 5 PCI slots and 1 AGP slot on P4VX4 motherboard.

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

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.

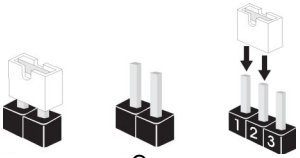
Do NOT use a 3.3V AGP card on P4VX4's AGP slot!
It may cause permanent damage!

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.



Short Open

Jumper	Setting	
PS2_USB_PWR1 (see p.7 item 22)	1_2 +5V / 2_3 +5VSB	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.

	Clear CMOS
CLRCMOS1 (see p.7 item 17)	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.

2.8 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 10)		

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

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

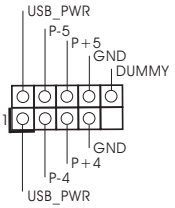
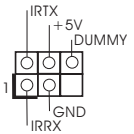
Secondary IDE connector (Black)
(39-pin IDE2)
(see p.7 item 8)

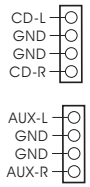
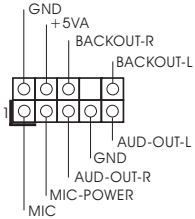
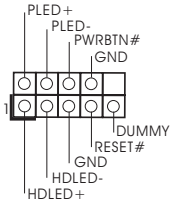
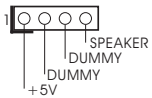
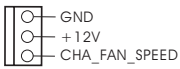
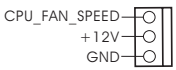
connect the blue end to the motherboard

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 13)		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 14)		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 24) (AUX1: see p.7 item 23)		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 20)		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 12)		This connector accommodates several system front panel functions.
External speaker connector (4-pin SPEAKER 1) (see p.7 item 15)		This connector allows you to attach to an external speaker.
Chassis fan connector (3-pin CHA_FAN1) (see p.7 item 9)		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 1)		Connect an ATX power supply to the connector.

Chapter 3 BIOS Setup

3.1 BIOS Setup Utility

This section explains how to use the BIOS Setup Utility to configure your system. The Flash Memory on the motherboard stores the BIOS Setup Utility. You may run the BIOS Setup Utility when you start up the computer. Please 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 may also restart by turning the system off and then back on.

The BIOS Setup Utility is designed to be user-friendly. It is a menu-driven program, which allows you to scroll through its various sub-menus and select among the predetermined choices.

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

3.1.1 BIOS Menu Bar

The top of the screen has a menu bar with the following selections:

MAIN	Sets up the basic system configuration
ADVANCED	Sets up the advanced features
SECURITY	Sets up the security features
POWER	Configures Power Management features
BOOT	Configures the default system device that is used to locate and load the Operating System
EXIT	Exits the current menu or the BIOS Setup

To access the menu bar items, press the right or left arrow key on the keyboard until the desired item is highlighted.

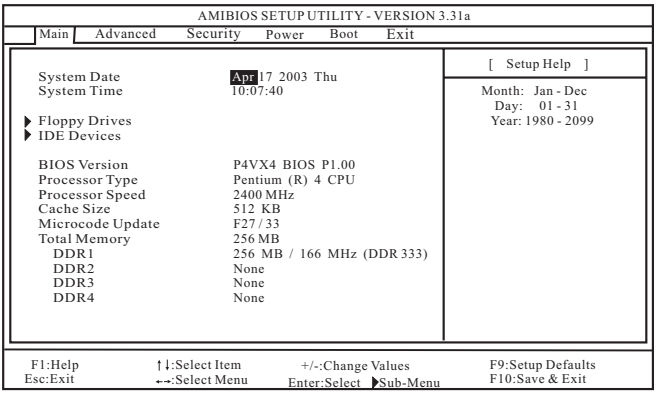
3.1.2 Legend Bar

At the bottom of 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 default value
<F10>	Saves changes and exits Setup

3.2 Main Menu

When you enter the BIOS Setup Utility, the following screen appears.



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: (up 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

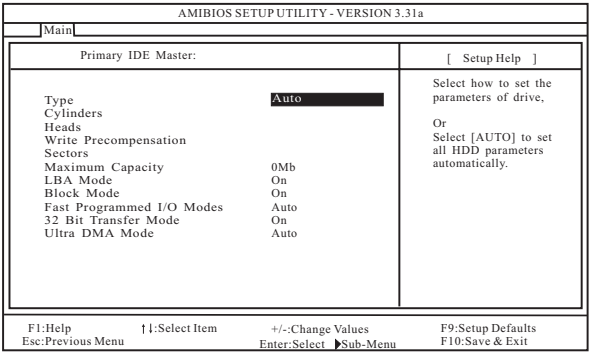
Use this to set the type of floppy drives installed.

IDE Devices

Use this to configure IDE devices.

TYPE

To set the type of the IDE device, first, please select “IDE Devices” on Main menu and press <Enter> to get into the sub-menu. Then, select among “Primary IDE Master”, “Primary IDE Slave”, “Secondary IDE Master”, and “Secondary IDE Slave” to make configuration of its type. 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 of the hard disk drive that you configured. Below are the configuration options.



[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 Pre-compensation

Enter Write Pre-compensation 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.

3.3 Advanced, Security, Power, Boot, and Exit Menus

Detailed descriptions of these menus are listed in the Appendix. See page 20.

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.

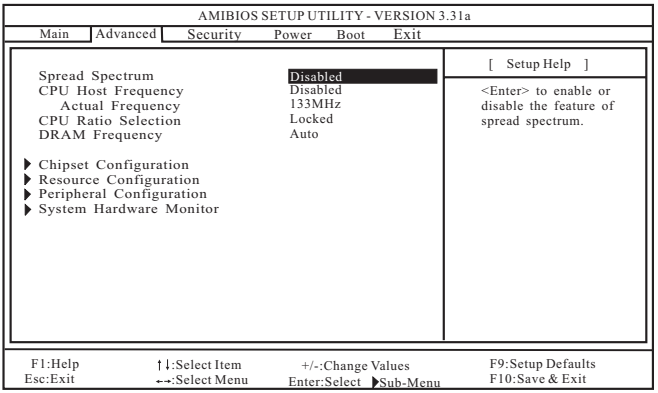
4.2.5 Contact Information

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.

Appendix: Advanced BIOS Setup

This section will introduce you the following BIOS Setup menus: “Advanced,” “Security,” “Power,” “Boot,” and “Exit.”

1. Advanced BIOS Setup Menu



Spread Spectrum:

This field should always set to [Disabled] for better system stability.

CPU Host Frequency:

This shows current CPU host frequency of the installed motherboard.

CPU Ratio Selection:

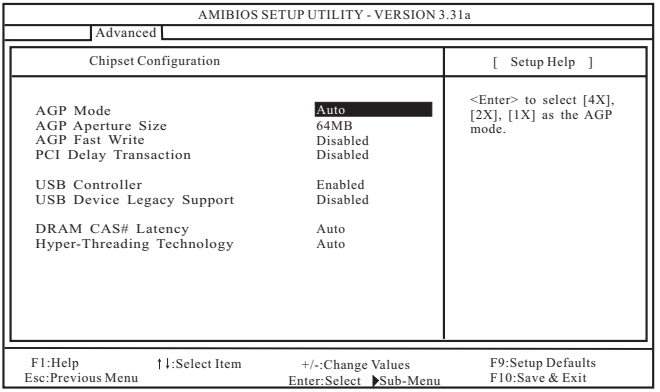
CPU Ratio is the multiple that times the frontside bus frequency will equal the core speed of the installed processor. Whether the option is open or locked is determined by the installed processor.

DRAM Frequency:

If [Auto] is selected, the motherboard will detect the memory module(s) inserted and assigns appropriate frequency automatically. You may also select other value as operating frequency: [100MHz (DDR 200)], [133MHz (DDR 266)], [166MHz (DDR 333)], [200MHz (DDR 400)].

NOTE: Please pay attention to the specifications of the installed memory module(s). The DRAM frequency will be set equal or faster than the CPU frequency.

Chipset Configuration:



AGP Mode: When an 8X-AGP card is installed on P4VX4 motherboard for your PC system, this feature will be set to [Auto] automatically. If the installed AGP card is not an 8X-AGP card, then it will be set to [4X] as the default value. Or you may also select [2X] or [1X] for older version of AGP card.

AGP Aperture Size: It refers to a section of the PCI memory address range used for graphics memory. It is recommended to leave this field at the default value unless the installed AGP card's specifications requires other sizes.

AGP Fast Write: This allows you to enable or disable the feature of AGP fast write protocol support.

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.

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

USB Device Legacy Support: Use this to enable or disable the support to emulate legacy I/O devices such as mouse, keyboard,... etc.

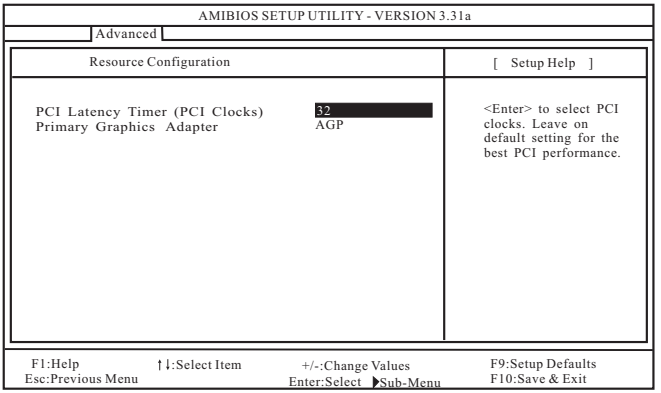
DRAM CAS# Latency:

This is used to adjust the means of memory accessing. Configuration options: [Auto], [2T], [2.5T], [3T]. Please note that not all the DDR DIMMs can support CAS latency=3T.

Hyper-Threading Technology:

To enable this feature, it requires a computer system with an Intel Pentium®4 processor at 3.06 GHz or higher and an operating system that includes optimization for this technology, such as Microsoft® Windows® XP. 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.

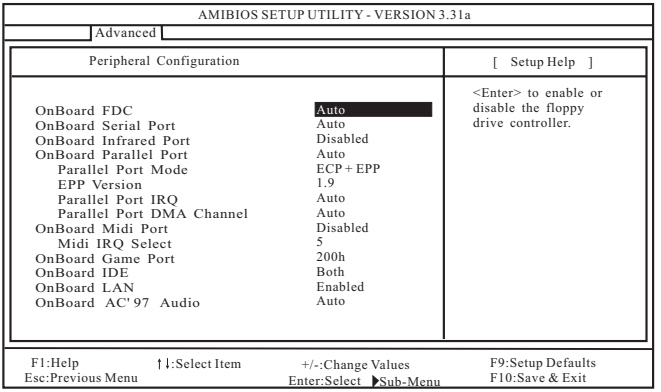
Resource Configuration:



PCI Latency Timer (PCI Clocks): The default is 32. It is recommended to keep the default value unless the inserted PCI expansion cards' specifications require other settings.

Primary Graphics Adapter: This allows you to select [AGP] or [PCI] as the primary graphics adapter.

Peripheral Configuration:



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: You may select [Enable] or [Disabled] for this onboard infrared port feature.

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+CPP]. 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].

Midi IRQ Select: Use this to select Midi IRQ.

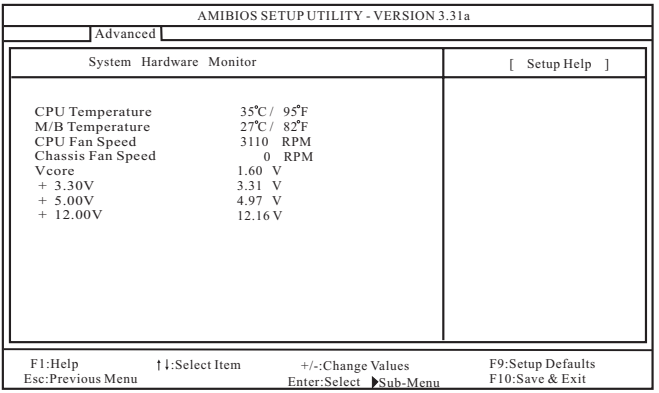
OnBoard Game Port: Select address for Game Port or disable Game Port. Configuration options: [Disabled], [200h], [208h].

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].

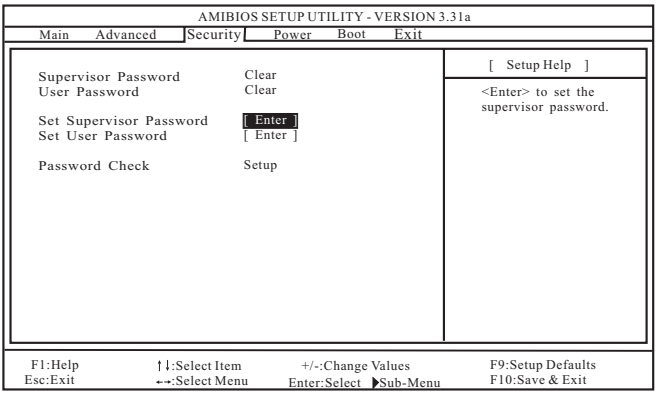
OnBoard LAN: This allows you to enable or disable the onboard LAN feature.

OnBoard AC'97 Audio: Select [Disabled], [Auto] or [Enabled] for the onboard AC'97 Audio feature.

System Hardware Monitor: You can 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.



2. Security Setup Menu



Supervisor Password: This field shows the status of the Supervisor Password.

[Clear]: No password has been set.

[Set]: Supervisor password has been set.

User Password: This field shows the status of the User Password.

[Clear]: No password has been set.

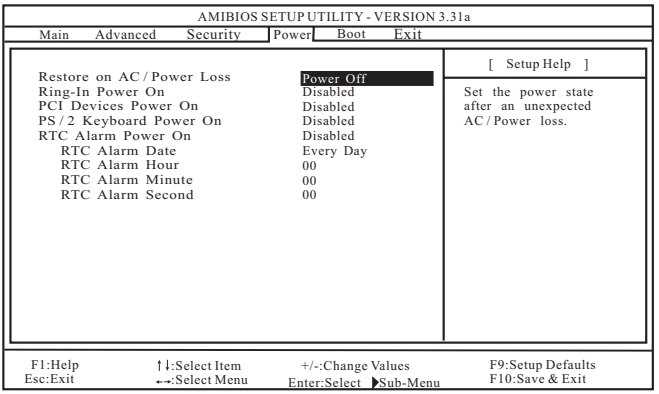
[Set]: User password has been set.

Set Supervisor Password: Press <Enter> to set Supervisor Password. Valid password can be a 1 to 6 alphanumeric characters combination. If you already have a password, you must enter your current password first in order to create a new password.

Set User Password: Press <Enter> to set User Password. Valid password can be a 1 to 6 alphanumeric characters combination. If you already have a password, you must enter your current password first in order to create a new password.

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.

3. Power Setup Menu



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.

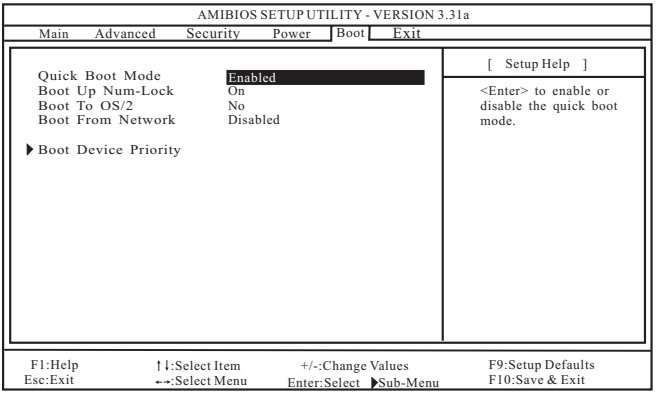
Ring-In Power On: Use this to enable or disable Ring-in signals to turn on the system from the power-soft-off mode.

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

PS/2 Keyboard Power On: Use this to enable or disable PS/2 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 [Enable] is selected, you will need to fill the RTC Alarm Date / Hour / Minute / Second sub-fields with the actual wake up time you desire.

4. Boot Setup Menu



Quick Boot Mode: Enable this mode will speed up the boot-up routine by skipping memory retestings. The default value is [Enabled].

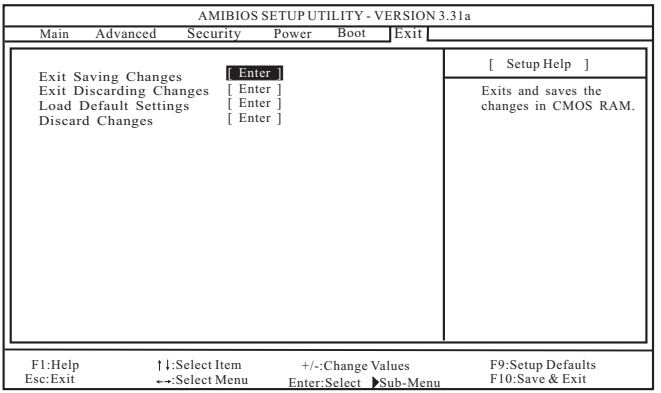
Boot Up Num-Lock: If this is enabled, it will automatically activate the Numeric Lock function after boot-up. The default value is [On].

Boot To OS/2: This enables boot-up to OS/2 operating system. The default value is [No].

Boot From Network: Use this to enable or disable “boot from network” feature. The default value is [Disabled].

Boot Device Priority: This allows you to set the boot device priority.

5. Exit Menu



Exit Saving Changes: After you enter the sub-menu, the message “Save current settings and exit” will appear. If you press <ENTER>, it will save the current settings and exit the BIOS SETUP Utility.

Exit Discarding Changes: After you enter the submenu, the message “Quit without saving changes” will appear. If you press <ENTER>, you will exit the BIOS Setup Utility without making any changes to the settings.

Load Default Settings: After you enter the submenu, the message “Load default settings” will appear. If you press <Enter>, it will load the default values for all the setup configurations.

Discard Changes: After you enter the sub-menu, the message “Load setup original values” will appear. If you press <ENTER>, original values will be restored and all changes are discarded.