



Electronic Emission Notices

Federal Communications Commission (FCC) Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with instructions contained in this manual, may cause harmful interference to radio and television communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- REORIENT OR RELOCATE THE RECEIVING ANTENNA
- INCREASE THE SEPARATION BETWEEN THE EQUIPMENT AND THE RECEIVER
- CONNECT THE EQUIPMENT INTO AN OUTLET ON A CIRCUIT DIFFERENT FROM THAT OF THE RECEIVER
- CONSULT THE DEALER OR AN EXPERIENCED AUDIO/TELEVISION TECHNICIAN

NOTE: Connecting this device to peripheral devices that do not comply with Class B requirements, or using an unshielded peripheral data cable, could also result in harmful interference to radio or television reception.

The user is cautioned that any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

To ensure that the use of this product does not contribute to interference, it is necessary to use shielded I/O cables.

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HARDWARE CONFIGURATION

Key Features:

Chipset

- VIA® Apollo MVP4 Chipset.

Processor

- ZIP socket 7.
- Fully support Intel® Pentium® processors with MMX technology using socket 7.
- Support Pentium® processors operating from 100MHz to 233MHz.
- Support Cyrix®/IBM® 6x86/6x86L/6x86MX/M-II processors.
- Support AMD® K5/K6/K6-2/K6-III processors.
- Support IDT® WinChip C6 processors.

Cache

- Direct-mapped L2 write-back cache.
- Supports 512KB on board synchronous pipelined burst SRAM.

Memory Organization

- Supports 3.3V Extended Data Output(EDO) DRAM at 50 and 60ns speeds.
- Memory size up to 256MB.
- Supports single-density DIMMs of 1MB, 2MB, 4MB, 8MB and 16MB depth (x64 or 72).
- Supports double-density DIMMs of 2MB, 4MB, 8MB, 16MB and 32MB depth (x64 or 72).

On-Board I/O

- Two PCI fast IDE ports supporting up to four ATA Device(Including IDE HDDs, CD-ROMs, ZIP and LS-120 drives).
- Supports bus master IDE, PIO mode 4(up to 16MB/sec), Ultra DMA33 (up to 33MB/sec) and Ultra DMA66(up to 66MB/sec) transfer.
- One ECP/EPP parallel port.
- Two 16550-compatible UART serial ports.
- One floppy port supporting two FDDs of 360KB, 720KB, 1.2M, 1.44M or 2.88M formatted capacity.
- Four USB ports.
- One standard AT keyboard port(factory option for PS/2 type).
- PS/2 mouse port(via a header).
- Infrared (IrDA) support (via a header).

AC97 Digital Audio Controller

- Dual full-duplex Direct Sound Channels between system memory and AC97 Link.
- Standard AC97 Codec interface for multimedia systems.
- Complete software driver support for Windows® 95/98.
- Direct game port and one MIDI port interface.

System BIOS

- 2MB flash BIOS supporting PnP, APM, ACPI and windows® 9X.
- Auto detects and supports LBA hard disks with formatted capacities over 8.4GB.
- Easily upgradable by end-user.

Plug-and-Play

- Supports plug-and-play specification 1.0a.
- Plug-and-play for Windows® 9X.
- Fully steerable PCI interrupts.

Power Management

- Supports SMM, APM and ACPI.
- Break switch for instant suspend/resume on system operation.
- Energy star "Green PC" compliant.
- Support Wake on Lan.

Expansion Slots

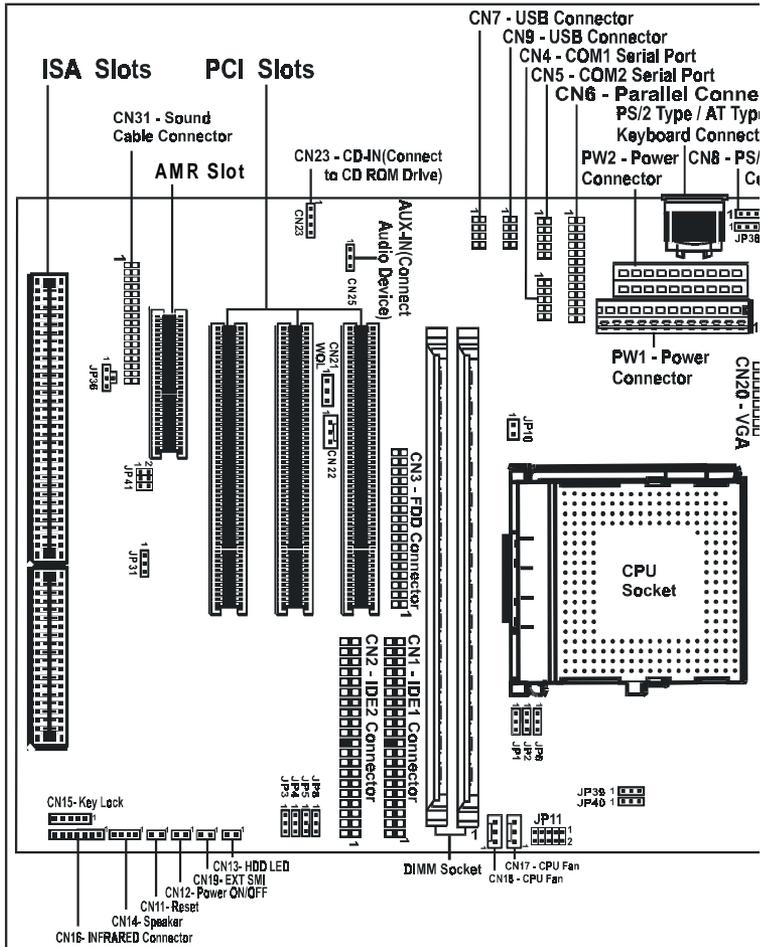
- 3 PCI bus master slots (rev. 2.2 compliant).
- 1 ISA slots.
- 1 AMR (Audio Modem Riser).

CAUTION

Static electricity can harm delicate components of the motherboard. To prevent damage caused by static electricity, discharge the static electricity from your body before you touch any of the computers electronic components.

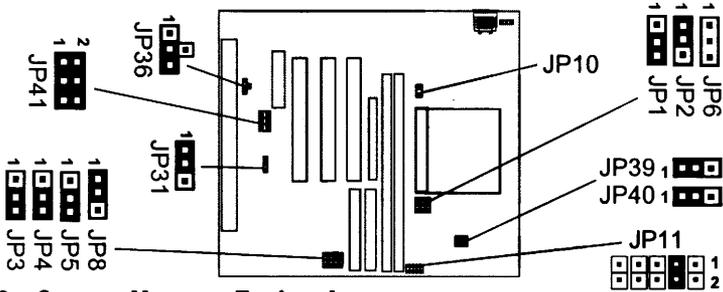
Motherboard Layout (Model Code No. - 35894700XX)

The following diagram shows the relative positions of the jumpers, connectors, major components and memory banks on the motherboard.



NOTE

- 1) Be sure to check the cable orientation in order to match the colored strip to the pin 1 end of the connector.



JP10 - System Memory Tuning Jumper

In order to cope with different type of DIMM memory in the market, a system MEMORY TUNING jumper is provided.

In case of any power up problem due to the DIMM MEMORY, you can close the jumper and try again.

If no problem is found, the jumper should be kept **DEFAULT (OPEN)**.

JP31 - CMOS Clear

JP31	CMOS
1-2*	Normal operation*
1-3	Clear

JP36 - BIOS Program Voltage

JP36	BIOS Voltage
1-2	12V
1-3*	5V*

JP41 - On Board AC97 Codec and AMR Devices Selection

JP41	Selection
1-2*	Enable On Board AC97 Codec and Secondary AMR Devices
1-3	Disable On Board AC97 Codec and Enable Primary AMR Devices

Warning:

Before handling the motherboard from its original package, please ensure that there is no static electricity on your body. Otherwise it may cause damage to the integrated circuits on the motherboard.

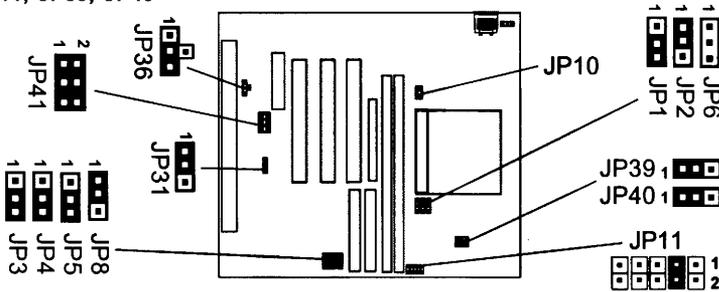
* = Default setting.

Close Open

Jumper Settings

This section explains how to configure the motherboard's hardware. Before using your computer, make sure all jumpers and DRAM modules are set correctly. Refer to this chapter whenever in doubt.

CPU Type and Voltage Selection Jumper - JP1, JP2, JP3, JP4, JP5, JP6, JP8, JP11, JP39, JP40



Intel® MMX CPU

CPU Type & Speed	CPU, PCI Bus Clock & CPU Type									CPU Voltage		
	CPU MHz	PCI MHz	JP3	JP4	JP5	JP8	JP1	JP2	JP6	JP11	JP39	JP40
Intel Pentium-166MMX	66MHz	33MHz										
Intel Pentium-200MMX	66MHz	33MHz										
Intel Pentium-233MMX	66MHz	33MHz										

IDT® WinChip C6 CPU

CPU Type & Speed	CPU, PCI Bus Clock & CPU Type								CPU Voltage			
	CPU MHz	PCI MHz	JP3	JP4	JP5	JP6	JP1	JP2	JP6	JP11	JP39	JP40
IDT WinChip C6-200	66MHz	33MHz										
IDT WinChip C6-225	75MHz	25MHz										
	75MHz	37.5MHz										

AMD® CPU

CPU Type & Speed	CPU, PCI Bus Clock & CPU Type								CPU Voltage			
	CPU MHz	PCI MHz	JP3	JP4	JP5	JP6	JP1	JP2	JP6	JP11	JP39	JP40
AMD-K5-PR133	66MHz	33MHz										
AMD-K5-PR166	66MHz	33MHz										
AMD-K6-166	66MHz	33MHz										
AMD-K6-200	66MHz	33MHz										
AMD-K6-233(3.2V)	66MHz	33MHz										
AMD-K6-233(2.2V)	66MHz	33MHz										
AMD-K6-266	66MHz	33MHz										
AMD-K6-300	66MHz	33MHz										
AMD-K6-2/300*	100MHz*	33MHz*										
AMD-K6-2/333	95MHz	31.75MHz										
AMD-K6-2/350	100MHz	33MHz										
AMD-K6-2/380	95MHz	31.75MHz										
AMD-K6-2/533	97MHz	32.3MHz										
AMD-K6-2/475	95MHz	31.75MHz										
AMD-K6-III/400	100MHz	33MHz										
AMD-K6-III/450	100MHz	33MHz										

* = Default setting (AMD-K6-2/300 CPU)

Close Open

Cyrix®/IBM® CPU

CPU Type & Speed	CPU, PCI Bus Clock & CPU Type										CPU Voltage		
	CPU MHz	PCI MHz	JP3	JP4	JP5	JP6	JP1	JP2	JP6	JP11	JP39	JP40	
Cyrix/IBM 6x86-PR200+	75MHz	25MHz											
	75MHz	37.5MHz											
Cyrix/IBM 6x86L-PR150+	60MHz	30MHz											
Cyrix/IBM 6x86L-PR166+	66MHz	33MHz											
Cyrix/IBM 6x86L-PR200+	75MHz	37.5MHz											
	75MHz	25MHz											
Cyrix/IBM 6x86MX-PR166	60MHz	30MHz											
	66MHz	33MHz											
Cyrix/IBM 6x86MX-PR200	66MHz	33MHz											
	75MHz	25MHz											
	75MHz	37.5MHz											
Cyrix/IBM 6x86MX-PR233	66MHz	33MHz											
	75MHz	25MHz											
	75MHz	37.5MHz											
Cyrix MII 6x86MX-PR266	83MHz	27.77MHz											
Cyrix MII 6x86MX-PR300	66MHz	33MHz											
Cyrix MII 6x86MX-PR333	83MHz	27.77MHz											
	75MHz	25MHz											
	75MHz	37.5MHz											
Cyrix MII 6x86MX-PR400	95MHz	31.75MHz											

Close Open

Pin Assignment

1. CN7: USB Connector



1	USB-VCC	2	USB-GND
3	USB DT2-	4	USB DT3+
5	USB DT2+	6	USB DT3-
7	USB-GND	8	USB-VCC

2. CN9: USB Connector



1	USB-VCC	2	USB-GND
3	USB DT0-	4	USB DT1+
5	USB DT0+	6	USB DT1-
7	USB-GND	8	USB-VCC

3. CN8: PS/2 Mouse Connector



1	VCC
2	NC
3	MS_DATA
4	GND
5	MS_CLK

4. CN23: CD-IN



1	GND
2	CD-L
3	GND
4	CD-R

5. CN25: AUX-IN



1	AUX_L
2	GND
3	GND
4	AUX_R

Warning:

Power on after Power-Fail

This new feature is enabled in this system, i.e. once plugging-in the AC-power, the system will start-up automatically. Please install all the components/devices into the system before plugging in the AC-power plug.

Hardware Setup

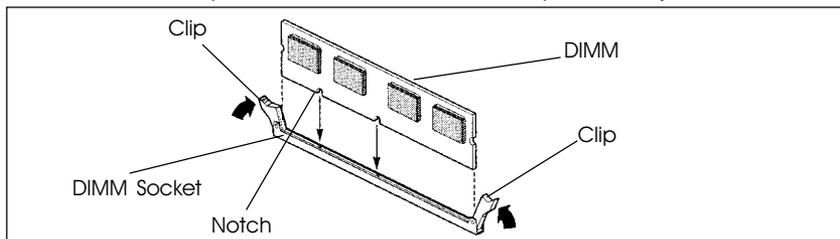
The memory combinations. The motherboard will support Extended Data Output (EDO), Burst Extended Data Output (BEDO) and Synchronous DRAM (SDRAM) DIMMs.

DIMM Configurations

DIMM 1	DIMM 2	Total	DIMM 1	DIMM 2	Total
Empty	8MB	8MB	32MB	Empty	32MB
Empty	16MB	16MB	32MB	8MB	40MB
Empty	32MB	32MB	32MB	16MB	48MB
Empty	64MB	64MB	32MB	32MB	64MB
Empty	128MB	128MB	32MB	64MB	96MB
8MB	Empty	8MB	32MB	128MB	160MB
8MB	8MB	16MB	64MB	Empty	64MB
8MB	16MB	24MB	64MB	8MB	72MB
8MB	32MB	40MB	64MB	16MB	80MB
8MB	64MB	72MB	64MB	32MB	96MB
8MB	128MB	136MB	64MB	64MB	128MB
16MB	Empty	16MB	64MB	128MB	192MB
16MB	8MB	24MB	128MB	Empty	128MB
16MB	16MB	32MB	128MB	8MB	136MB
16MB	32MB	48MB	128MB	16MB	144MB
16MB	64MB	80MB	128MB	32MB	160MB
16MB	128MB	144MB	128MB	64MB	192MB
			128MB	128MB	256MB

To Install DIMMs

1. Locate the DIMM sockets.
2. Holding the DIMM by the edges, remove it from its antistatic package.
3. Make sure the clips at either end of the socket are pushed away from the socket.



4. Position the DIMM above the socket. Align the two small notches in the bottom edge of the DIMM with the keys in the socket.
5. Insert the bottom edge of the DIMM into the socket.
6. When the DIMM is seated, push down on the top edge of the DIMM until the retaining clips at the ends of the socket snap into place. Make sure the clips are firmly in place.



Turn system power off before installing and removing any device, otherwise you'll cause the system damage.

Installing a New Processor

An upgrade processor can dramatically increase general system speed and performance.

Most microprocessor upgrade kits include the following items:

- Microprocessor chip
- Installation instructions and technical data

Your system may have these features built in, or support them as upgrades.

To Install a Processor to ZIF Socket

To install the processor, follow these steps:

1. If the system microprocessor is already on the motherboard socket, you need to remove it from the motherboard socket. The socket is a Zero Insertion Force (ZIF) socket which has a metal arm at one side. Carefully grasp this arm, move it horizontally away from the socket and lift it up. Eventually you will be able to lift the chip straight up out of the socket.

Be careful not to bend any of the pins when removing the microprocessor chip from its socket. The microprocessor chip can be permanently damaged.

2. Unpack the new microprocessor chip.
3. Carefully align the processor with the correct orientation to the socket on the motherboard.
4. Carefully insert the processor into the socket, and move the metal arm downward to replace it in its original position.

Connect the Processor Fan Connector

There is a fan attached the processor to prevent the overheating. Connect the processor fan cable to the fan connector that located on the motherboard near the processor and ensure the fan can operate. Otherwise the CPU can overheat and cause damage to both CPU and motherboard.

BIOS SETUP

This chapter discusses Award's Setup Program built into the ROM BIOS. The Setup Program allows users to modify the basic system configuration. This special information is then stored in battery-backed RAM, which retains the setup information when the power is turned off.

Starting Setup

The Award BIOS is immediately activated when you turn on the computer. The BIOS reads the system information contained in the CMOS and begins the process of checking out the system and configuring it. When it finishes, the BIOS will seek an operating system on one of the disks and then launch and turn control over to the operating system.

While the BIOS is in control, the Setup Program can be activated :

1. By pressing immediately after switching the system on, or
2. By pressing the key when the following message appears briefly at the bottom of the screen during the POST (Power On Self Test)

Press DEL to enter SETUP

If the message disappears before you can respond and you still wish to enter Setup, restart the system to try again by turning it OFF then ON or pressing the "RESET" button on the system case. You may also restart by simultaneously pressing the <Ctrl>, <Alt>, and <Delete> keys. If you do not press the keys at the correct time and the system does not reset, an error message will be displayed and you will again be asked to ...

PRESS F1 TO CONTINUE, DEL TO ENTER SETUP

Getting Help

Press F1 to pop up a small help window that describes the appropriate keys to use and the possible selections for the highlighted item. To exit the Help Window press <Esc> or the F1 key again.

In Case of Problems

If, after making and saving system changes with the Setup Program, you discover that your computer does not reset, use the Award BIOS defaults to override the CMOS settings.

Main Menu

Once you enter the Award BIOS CMOS Setup Utility, the Main Menu will appear on the screen. The Main Menu allows you to select from various setup functions and two exit choices. Use the arrow keys to select among the items and press <Enter> to accept and enter the sub-menu.

ROM PCI/ISA BIOS
 CMOS SETUP UTILITY
 AWARD SOFTWARE. INC.

STANDARD CMOS SETUP BIOS FEATURES SETUP CHIPSET FEATURES SETUP POWER MANAGEMENT SETUP PNP/PCI CONFIGURATION LOAD BIOS DEFAULTS LOAD SETUP DEFAULTS	SYSTEM MONITOR DEVICE INTEGRATED PERIPHERALS SUPERVISOR PASSWORD USER PASSWORD IDE HDD AUTO DETECTION SAVE & EXIT SETUP EXIT WITHOUT SAVING
Esc : Quit F10 : Save & Exit Setup	↑↓→← : Select Item (Shift) F2 : Change Color
Time. Date. Hard Disk Type	

(Note : The figures of BIOS Setup Menu included here only show a typical case, and may not be exactly the same as the one on your unit.)

Note that a brief description of each highlighted item will appear at the bottom of the screen.

- Standard CMOS Setup** This setup page includes all the items of Award™ special standard features.
- BIOS Features Setup** This setup page includes all the items of Award™ special enhanced features.
- Chipset Features Setup** This setup page includes all the items of chipset special features.
- Power Management Setup** This entry only appears if your system supports Power Management “Green PC” standards.
- PNP / PCI Configuration** This entry appears if your system supports PNP/PCI.
- Load BIOS Defaults** The BIOS defaults have been set by the manufacturer and represent settings which provide the minimum requirements for your system to operate.
- Load Setup Defaults** The chipset defaults are settings which provide for maximum system performance. While Award has designed the custom BIOS to maximize performance, the manufacturer has the right to change these defaults to meet its needs.

System Monitor Device In this feature setting, you can observe the speed of CPU fan and actual Voltage for 2.5V, 3.3V, CPU Core Voltage, +5V and +12V.

Integrated Peripherals This section page includes all the items of IDE hard drive and Programmed Input / Output features.

Supervisor / User Password Setting Changes, sets, or disables password. It allows you to limit access to the system and the Setup Program.

IDE HDD Auto Detection Automatically detects and configures the hard disk parameters. The Award BIOS includes this ability in the event you are uncertain of your hard disk's parameters.

Save & Exit Setup Saves value changes to CMOS and exits setup.

Exit Without Saving Abandons all CMOS value changes and exits setup.

Standard CMOS Setup

The items in Standard CMOS Setup Menu are divided into 10 categories. Each category includes one or more setup items. Use the arrow keys to highlight the item and then use the <PgUp> or <PgDn> key to select the desired value in each item.

ROM PCI/ISA BIOS
STANDARD CMOS SETUP
AWARD SOFTWARE. INC.

Date (mm:dd:yy) : Thu, Jan 23 1997		Time (hh:mm:ss) : 00:00:00	
HARD DISKS	TYPE	SIZE	CYLS. HEADS PRECOMPLANDZ SECTORS Mode
Primary Master	: None	0 0	0 0 0 0 0 0 ---
Primary Slave	: None	0 0	0 0 0 0 0 0 ---
Secondary Master	: None	0 0	0 0 0 0 0 0 ---
Secondary Slave	: None	0 0	0 0 0 0 0 0 ---
Drive A :	1.44M, 3.5 in	Base Memory : 640K	
Drive B :	None	Extended Memory : 15360K	
Video :	EGA/VGA	Other Memory : 384K	
Halt on :	All Errors	Total Memory : 16384K	
Esc : Quit	↑↓→← : Select Item	PU/PD/+/- : Modify	
F1 : Help	(Shift) F2 : Change Color		

(Note : The figures of BIOS Setup Menu included here only show a typical case, and may not be exactly the same as the one on your unit.)

- Date** The date format is <day-of-the-week>. <day> <month> <year>. Press <F3> to display the calendar.
- Time** The time format is <hour> <Minute> <second> displayed in 24-hour military-time clock. For example, 1 p. m. is displayed as 13:00:00.
- Primary Master/Primary Slave/Secondary Master/Secondary Slave** These categories identify the types of the two channels that have been installed in the computer.
- If you select Type "User", you will need to know the information listed below. Enter the information directly from the keyboard and press <Enter>. This information should be included in the documentation from your hard disk vendor or the system manufacturer.
- If the controller of the HDD interface is ESDI, the selection shall be "Type1".
- If the controller of the HDD interface is SCSI, the selection shall be "None".
- If you select Type "Auto", the BIOS will auto-detect the HDD and CD-ROM drive at the POST stage and show the IDE for the HDD and CD-ROM drive.
- TYPE** -Drive type
CYLS -Number of cylinders
HEADS -Number of heads
PRECOMP -Write precom
LANDZONE -Landing zone
SECTORS -Number of sectors
MODE -Mode type
- If a hard disk has not been installed, select NONE and press <Enter>.
- Drive A Type / Drive B Type** This category identifies the types of floppy disk drive A or drive B that has been installed in the computer.
- Video** This category selects the type of video adapter used for the primary system monitor. Although secondary monitors are supported, you do not have to select them in Setup.

BIOS Features Setup

This section allows you to configure your system for basic operation. You have the opportunity to select the system's default speed, boot-up sequence, keyboard operation, shadowing and security.

Chipset Features Setup

The Chipset Features Setup option is used to change the values of the chipset registers. These registers control most of the system options in the computer.

This section allows you to configure the system based on the specific features of the installed chipset. This chipset manages bus speeds and access to system memory resources, such as DRAM and the external cache. It must be stated that these items should not be altered. The default settings have been chosen because they provide the best operating conditions for your system.

Power Management Setup

The Power Management Setup Menu allows you to configure your system to most save energy while operating in a manner consistent with your own style of computer use.

PNP/PCI Configuration

This section describes how to configure the PCI bus system. This section covers some very technical items and it is recommended that only experienced users should make any changes to the default settings.

Integrated Peripherals

The Integrated Peripherals Setup allows the user to configure the onboard IDE controller, floppy disk controller, the printer port and the serial ports.

Supervisor/User Password Setting

You can set either supervisor or user password, or both of them. The difference between them are:

Supervisor Password : You can enter the Setup Program and change the options of the setup menus.

User Password : You can enter the Setup Program but cannot change the options of the setup menus.

When you select this function, the following message will appear at the center of the screen to assist you in creating a password.

ENTER PASSWORD:

Type the password, up to eight characters in length, and press<Enter>. The new password will clear the previously entered password from the CMOS memory. You will be asked to confirm the password. Type the password again and press <Enter>. You may also press <Esc> to abort the selection and operate without a password.

To disable a password, just press <Enter> when you are prompted to enter the password. A message will be displayed to confirm that the password is disabled.

PASSWORD DISABLED.

Once the password is disabled, the system will reset and you can enter the Setup Program freely.

When a password is enabled, you will be prompted to enter it every time you try to enter setup. This prevents an unauthorized person from changing any setting of your system configuration.

In addition, when a password is enabled, you can require the BIOS to request a password every time your system is rebooted. This would further prevent unauthorized use of your computer.

The password requirement is defined by the Security Option of the BIOS Features Setup Menu. If the Security Option is set to "System", the password will be required both at resetting and at entering setup. If the option is set to "Setup", the prompt only appears when you try to enter setup.

Flash Update Procedure

A program AWDFLASH.EXE is included in the utility diskette or CD. The user is recommended to follow the procedure below to update the flash BIOS.

1. Create a DOS-bootable floppy diskette. Copy the new BIOS file (just obtained or downloaded) and the utility program AWDFLASH.EXE to the diskette.
2. Allow the PC system to boot from the DOS diskette.
3. At the DOS prompt, key in

AWDFLASH
and hit <ENTER>

4. Enter the file name of the new BIOS.
5. The question: "Do you want to save file?" is displayed.

*Key in "N" if there is no need to save the existing BIOS content..
Key in "Y" if a backup copy of the existing BIOS is needed.
(A file name has to be assigned to the existing BIOS binary file.)*

6. The question : "Are you sure to program?" is displayed.

Key in "Y"

7. Wait until the flash-update is completed.
8. Power down the PC system.
9. Restart the PC.

Warning:

DO not turn off or RESET the computer during the flash process.

If you are unsure how to upgrade the BIOS, it is best to take your computer to an Authorized Service Center and have a trained technician do the work for you.

APPENDIX - Technical Reference

CPU to Bus Frequency Ratio (JP1, JP2, JP6)

JP1, JP2 and JP6 are used in combination to decide the ratio of the internal frequency of the CPU to the bus clock.

JP1	JP2	JP6	CPU to Bus Frequency Ratio		
			AMD K6	Pentium MMX/6x86MX	6x86L
1	1	1	3x	3x	3x
1	1	1	2.5x	2.5x	2.5x
1	1	1	2x	2x	2x
1	1	1	3.5x	3.5x	3.5x
1	1	1	4x	---	---
1	1	1	4.5x	---	---
1	1	1	5x	---	---
1	1	1	5.5x	---	---

CPU External Clock (BUS) Frequency (JP3, JP4, JP5, JP8)

JP3, JP4, JP5 and JP8 for the different CPU speed configuration.

CPU, SDRAM (MHz)	PCI (MHz)	JP3	JP4	JP5	JP8
60	30	1	1	1	1
66.8	33.4	1	1	1	1
70	35	1	1	1	1
75	25	1	1	1	1
75	37.5	1	1	1	1
97	32.3	1	1	1	1
83.3	27.77	1	1	1	1
83.3	41.65	1	1	1	1
95.25	31.75	1	1	1	1
100.2	33.3	1	1	1	1

Close Open

CPU Core Voltage (JP11)

This motherboard utilize switching control power. Support a wide CPU Core Voltage from 1.8V to 3.5V. You can use it for further CPUs. Please correctly set jumpers refer to your CPU Marking, CPU Core Voltage setting is as below.

Core Voltage	JP11	Core Voltage	JP11
1.8V		2.6V	
1.85V		2.7V	
1.9V		2.8V	
1.95V		2.9V	
2.0V		3.0V	
2.05V		3.1V	
2.1V		3.2V	
2.2V		3.3V	
2.3V		3.4V	
2.4V		3.5V	
2.5V			

JP39, JP40 - System Power Supply (for single voltage or double voltage CPU)

JP39	JP40	CPU
1  1-2	1  1-2	for double voltage
1  2-3	1  2-3	for single voltage

Double Voltage: All power PINs of CPU are divided into two parts, one part is provided with the voltage called VI/O, another part is provided with the voltage called Vcore.

Single Voltage: All power PINs of CPU are provided with only one kind of voltage.

 Close  Open