

UR2 Duplex Mode

This option is not available when UART is set to "Normal". Available options are Half Duplex and Full Duplex. Default setting is "Half Duplex".

Onboard Parallel Port

Specifies the I/O port address of the onboard parallel port. Available settings are Disable, 378h, 278h and 3BCh. Default setting is "378h".

Parallel Port Mode

Specifies the onboard parallel port mode. Available options are SPP, EPP, ECP, ECP+EPP and Normal. Default setting is "SPP".

EPP Mode Select

Specifies the Enhanced Parallel Port specification version number. This option only appears if the Parallel Port Mode is set to "EPP". The settings are 1.7 or 1.9. Default is N/A because the default setting for the Parallel Port Mode option is not EPP.

ECP Mode USE DMA

This option only appears if the Parallel Port Mode option is set to ECP. It assigns a DMA channel to the onboard parallel port. Available settings are 1, 3. Default setting is "3".

PWRON After PWR-Fail

Selects the power-on method after a power function. Options are Off, ON and Former-Sts.

Game Port Address

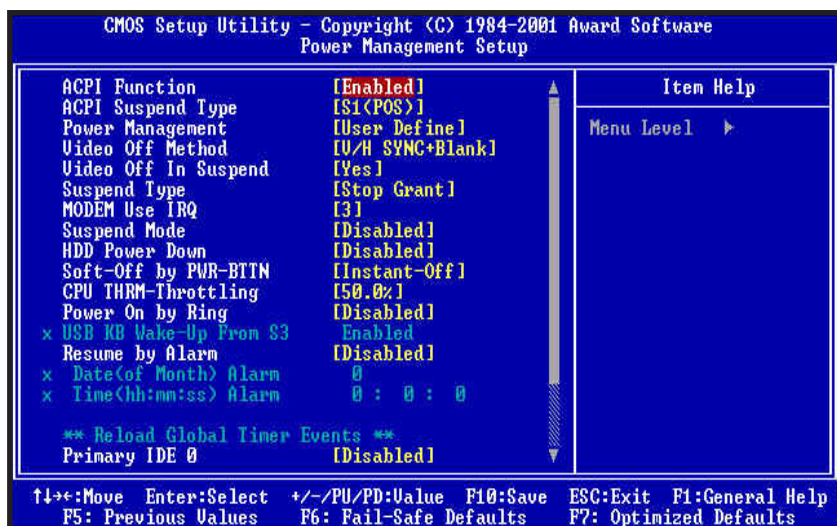
Specifies the Onboard Game Port I/O address. Available settings are 201, 209, and Disabled. Default setting is "201".

Midi Port Address

Specifies the I/O address of the MIDI interface on the Onboard Game Port. Available options are 300h, 330h 290h and Disabled. Default setting is "330".

Midi Port IRQ

Assigns the IRQ line to the MIDI interface. Available options are 5 and 10. Default setting is "10". This option is not available if the Onboard Midi Port is disabled S-232 serial port.



Power Management Setup

ACPI Function

Enabled / Disabled ACPI Function. Default setting is "Disabled".

ACPI Suspend Type

Specifies ACPI Suspend type. Options are : S1(POS), S3(STR) Instant On function. Default setting is "S1(POS)".

Power Management

Specifies Power Management Mode. Default setting is "User Define".

Video Off Method

Specifies Video off Method. Default setting is V/H SYNC+Blank.

Video Off In Suspend

Specifies Video off in Suspend. Default setting is "Yes".

Suspend Type

Specifies Suspend Type. Default setting is "Stop Grant".

MODEM Use IRQ

Sets Modem use IRQ. Default setting is "3".

Suspend Mode

Specifies Suspend Mode. Default setting is "Disabled".

HDD Power Down

Specifies HDD Power Down Mode. Default setting is "Disabled".

Soft Off by PWR-BTTN

Sets Power Down Mode by PWR_BTTN. Default setting is "Instant-off".

CPU THRM-Throttling

Monitor CPU Temperature, slow down CPU Speed.

Power On by Ring

Enabled / Disabled Power on by Ring. Default setting is "Enabled".

USB KB Wake-Up From S3

Enabled / Disabled USB KB Wake-up from S3. Default setting is "Disabled".

Resume by Alarm

Enabled / Disabled Resume by alarm. Default setting is "Disabled".

Primary IDE0

Enabled / Disabled monitor Primary IDE0 for Green event. Default setting is "Disabled".

Primary IDE1

Enabled / Disabled monitor Primary IDE1 for Green event. Default setting is "Disabled".

Secondary IDE0

Enabled / Disabled monitor Secondary IDE0 for Green event. Default setting is "Disabled".

Secondary IDE1

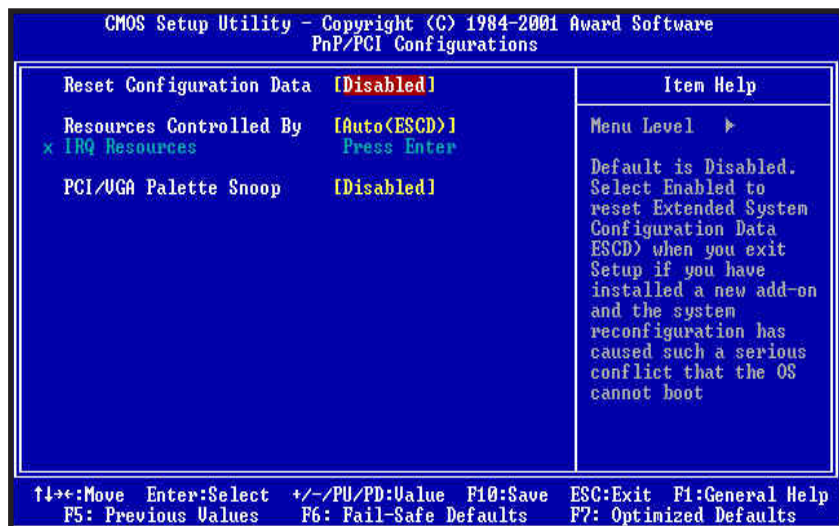
Enabled / Disabled monitor Secondary IDE1 for Green event. Default setting is "Disabled".

FDD, COM, LPT Port

Enabled / Disabled monitor FDD, COM, LPT for Green event. Default setting is "Disabled".

PCI PIRQ [A-D]#

Enabled PCI PIRQIA-DJ#, Monitor PCI PIRQIA-DJ#IRQ Active, Disabled PCI PIRQIA-DJ# Ignore PCI PIRQIA-DJ# IRQ Active. Default setting is "Disabled".



PnP/PCI Configurations

Reset Configuration Data

Enabled / Disabled Reset configuration Data. Default setting is "Disabled".

Resources Controlled By

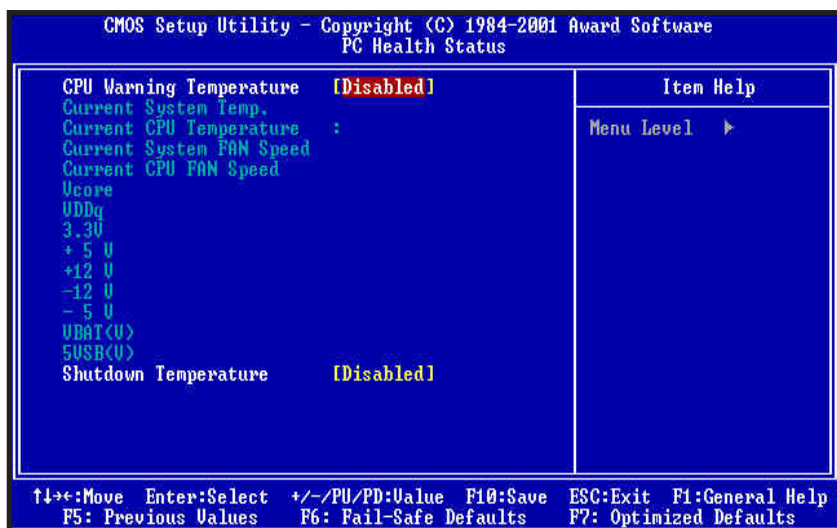
Sets the allocation of PCI resources. Available options are Manual and Auto(ESCD). Default setting is "Auto"(ESCD). BIOS automatically assigns resources.

IRQ Resources

When resources are controlled manually, assign each system interrupt a type, depending on the type of device using the interrupt.

PCI/VGA Palette Snoop

Enabled / Disabled PCI / VGA Palette Snoop, sets "Enabled" for having Video card on ISA Bus and VGA card on PCI Base, sets "Disabled" for VGA card only.



PC Health Status

CPU Warning Temperature

Specifies CPU warning temperature value. Available options are 50°C/122°F, 53°C/127°F, 56°C/133°F, 60°C/140°F, 63°C/145°F, 66°C/151°F, 70°C/158°F and Disabled. Default setting is "Disabled".

Current System Temp.

Current CPU Temperature

Display System and CPU temperatures.

Current System Fan Speed

Current CPU Fan Speed

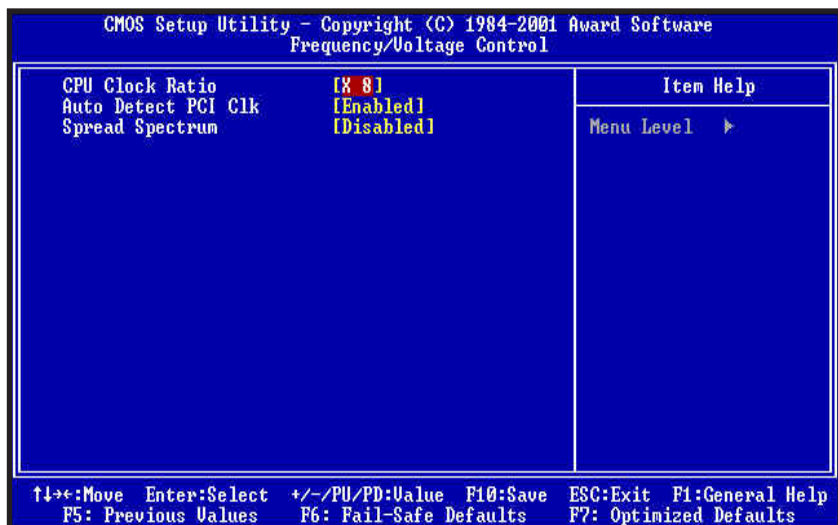
Display Fan Speed status.

Vcore/VDDq/3.3V/+5V/+12V/-12V/-5V/VBAT(V)/5VSB(V)

Display System's Voltage status.

Shutdown Temperature

This function will only be effective for operating systems that support ACPI Function. Specifies Shutdown Temperature Value. Available options are 60°C/140°F, 65°C/149°F, 70°C/158°F, 75°C/167°F and Disabled. Default setting is "Default".



Frequency / Voltage Control

CPU Clock Ratio

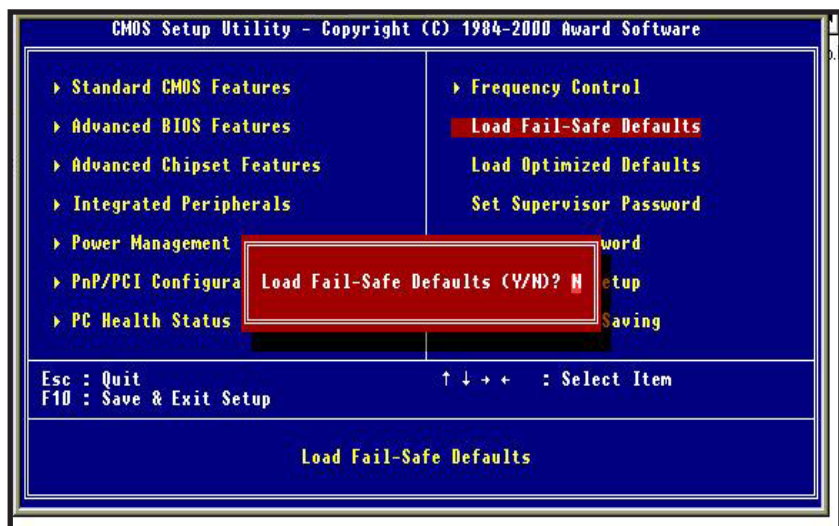
Select CPU's core/bus frequency ratio. This setting has no effect on processors with frequency ratio locked. Available settings are between X8 to X24 of the CPU BUS Speed. Default setting is "X8" (Safe).

Auto Detect PCI Clk

Enabled / Disabled Auto detect PCI CLOCK. Default setting is "Enabled".

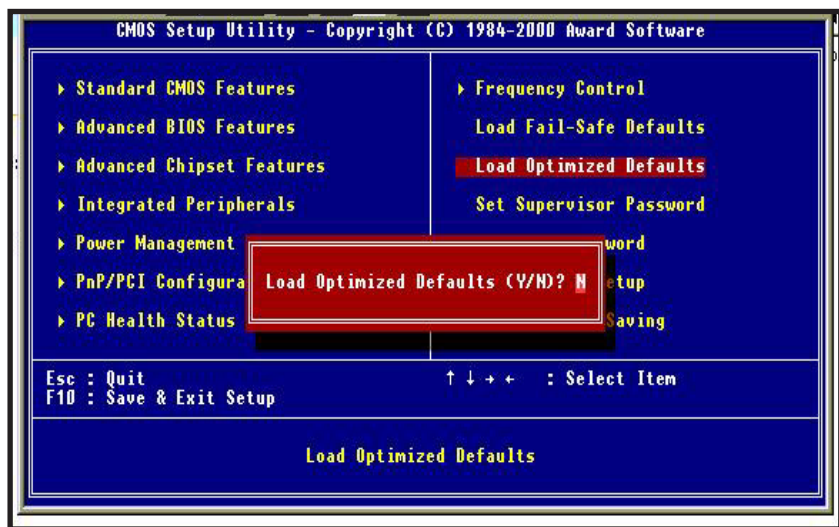
Spread Spectrum

This option turns on/off the clock generator's Spread Spectrum feature to reduce Electromagnetic Interference (EMI) generated by high speed clock signals. Default setting is "Disabled".



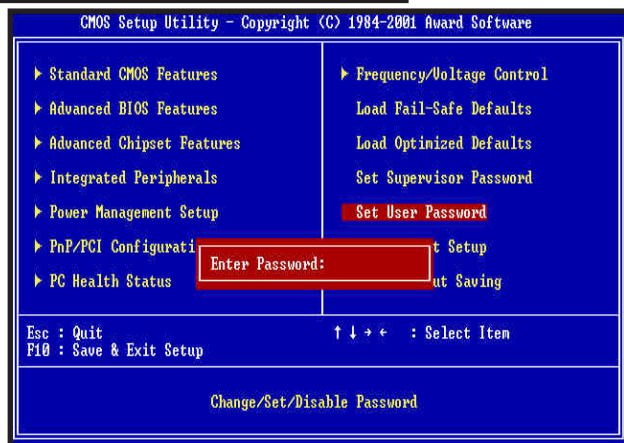
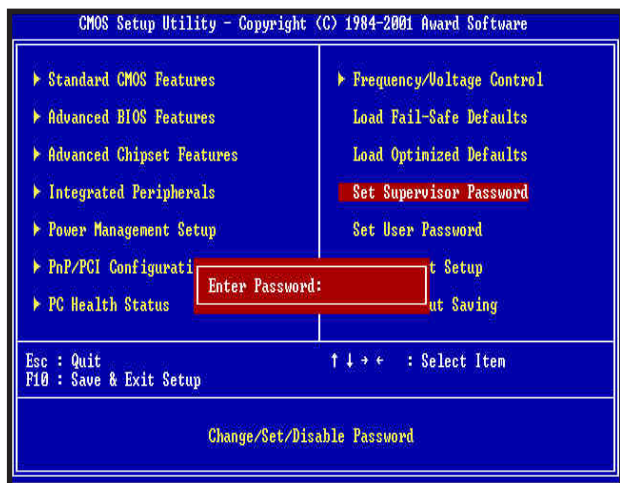
Load Fail-safe Defaults

Fail-safe defaults contain the most appropriate values of the system parameters that allow minimum system performance.



Load Optimized Defaults

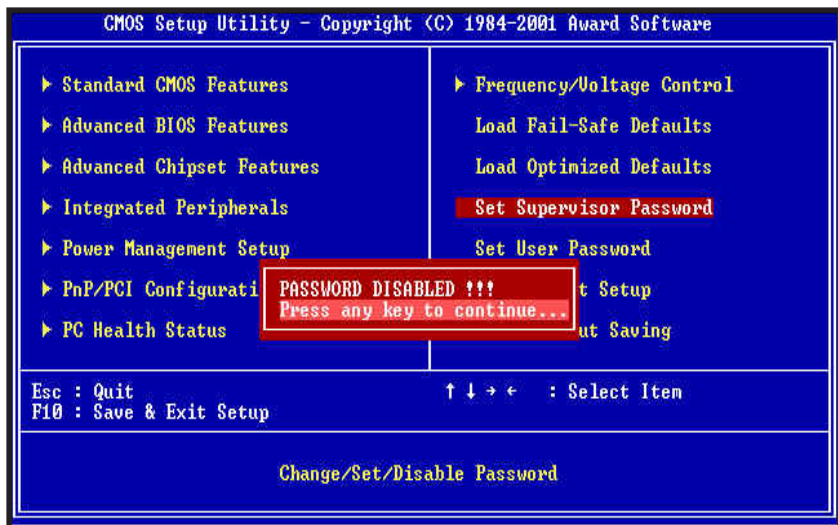
Selecting this field loads the factory defaults for BIOS and Chipset Features which the system automatically detects.



Set Supervisor / User password

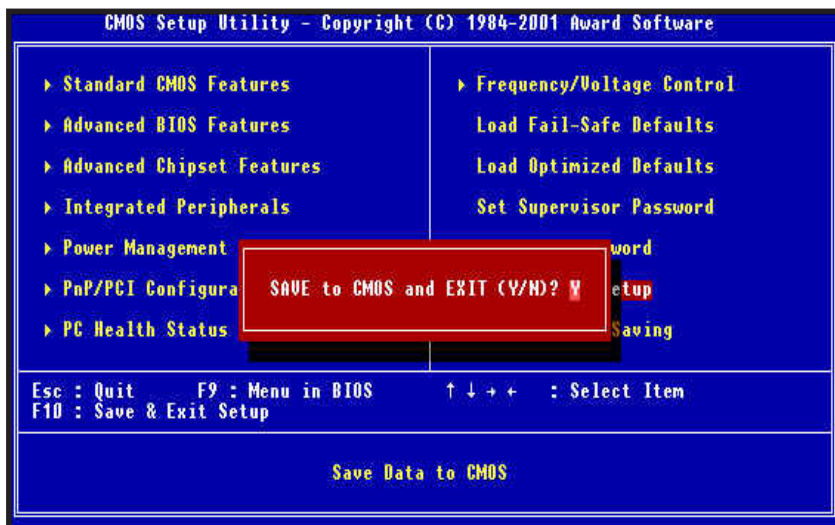
When you select this function, the following message will appear at the center of the screen to assist you in creating a password.

Type the password, up to eight characters and press<Enter>. The new password will clear the previously entered password from CMOS Memory, you will be asked to confirm the Password. Type the password again and press <Enter>, you may also press <ESC> to about the selection and not enter a password.



To disable password, just press <Enter> when you are prompted to enter password. A Message <<PASSWORD DISABLED!!!>> will appear to confirm the password being disabled. Once the password is disabled, the system will boot and you can enter setup freely.

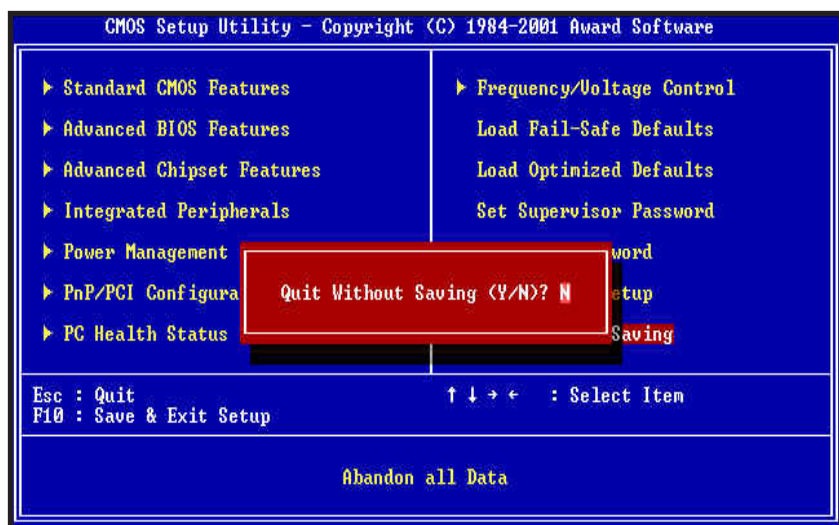
If you select "System" at "Security Option" in BIOS Features Setup Menu, you will be prompted for the password every time. If you select "Setup" at "Security option" in BIOS Features Setup Menu, you will be prompted only when you try to enter Setup.



Save & Exit Setup

Type "Y" will quit the Setup Utility and Save the user setup value to RTC CMOS.

Type "N" will return to Setup Utility.



Exit Without Saving

Type "Y" will quit the Setup Utility and Without Saving the User setup Value.

Type "N" will return to Setup Utility.

Glossary

Glossary

A



PS/2 Mouse & Keyboard Connector

The Mainboard provides two on-board PS/2 connectors, one for the keyboard, and one for the mouse. PS/2 devices all have a standard 6-pin round shape connector. If you are already using a PS/2 mouse or keyboard, simply plug them into the corresponding connector. No jumper settings are necessary.

B



ATX Power Supply Connectors

The Mainboard provides 20-pin ATX power supply connector, which incorporates standard +5V and +12V, 3.3V and soft-on/off signals. With a power supply that supports remote power on/off, the mainboard can turn off the system power through software control, such as the shutdown command in the Windows 95 / Windows 98 Start Menu. The BIOS system will turn the system power off when it receives the proper APM / ACPI command from the OS. APM / ACPI must be enabled in the BIOS and OS systems in order to set the soft-off feature working properly. This Pentium 4 Mainboard also provides a 4-pin power supply connector, which incorporates additional +12V power for the CPU power circuitry.

20-pin ATX Power Supply Connector

Pin	Signal Name	Pin	Signal Name
1	+3.3V	11	+3.3V
2	+3.3V	12	-12V
3	Ground	13	Ground
4	+5V	14	PW_ON
5	Ground	15	Ground
6	+5V	16	Ground
7	Ground	17	Ground
8	PWRGOOD	18	-5V
9	+5VSB	19	+5V
10	+12V	20	+5V