Table of Contents

Chapter 1: Introduction---------- 2

1.1 Mainboard Features ---------- 3

Chapter 2: Hardware Installation---------- 5

2.1 Mainboard Layout and Connectors Jumpers View---- 5

2.2 Connectors and Jumpers Setting---------- 6

2. 3 INSTALL CPU ---------- 12

2.4 Install Memory ---------- 17

2.5 The instruction for VIA Chipset---------- 18

2.6 Install the sound driver---------- 19

2.7 Hardware Monitoring---------- 20

Chapter 3: BIOS SETUP 3.1 Main Menu ------- ---- ---------- 23

3.2 Standard CMOS Setup ---------- 25

3.3 BIOS Features Setup ---------- 27

3.4 Advanced Chipset Features/Integrated Peripherals---- 31

3.5 Setup Power Management ---------- 40

3.6 Setup PnP/PCI Configuration ---------- 43

3.7 PC Health Status---------- 44

3.8 Frequency/Voltage Control---------- 45

3.9 Supervisor/User Password Setting---------- 47

CHAPTER 1 INTRODUCTION

The mainboard is high-performance person computer based on the Pentium II/III
And FC-PGA Socket 370 for Celeron,Coppermine 370 CPU.
This motherboard uses the high integrated VIA VT82C694X(VIA APOLLO PRO 133A)This chipset Support 133 MHz freqency.

The Apollo Pro 133A builds on the success of the Apollo Pro133,the industry's First available PC-133 chipset,the Apollo Pro 133A adds even more high-end Features while still maintaining its scalability and superior value,it is the first Chipset to martket with support for AGP 4X, the new advanced graphics protocol,the 133MHz frontside bus optimizes the performance of intel' 133MHz
Pentium III and other next-generation processors,the highly scalable asynchronous bus design also makes the Apollo Pro133A suitable for Pentium II
And Celeron-based systems.the Apollo Pro133A delivers advanced performance through support for AGP 4X,133MHz, FSB, PC-133 SDRAM,ATA-66,

Through its advanced memory controller architecture the Apollo Pro 133A supports PC133 and VC/133 DRAMs,the latest high-performance and cost-effective memory types,support for ATA-66,the latest fast-IDE transfer protocol Advance HDD access and data throughput and boosts overall system performance,additional features include 2USB ports and advanced power management.

The VIA VT82C686A Chipset integrates all system control function such as ACPI(Advanced Configuration and power interface) The ACPI provides more Energy Saving Features for the OSPM(OS Direct Power Management)function. This chipset also improves the IDE Transfer rate by supporting Ultra DMA 66 IDE that Transfer data at the rate of 66MB/s,and Integrated in chip with Audio 97 sound Codec.support AMR ,this is Super South bridge.

Accelerated Graphics Port (AGP or A.G.P.)
Typically, 3D graphics rendering requires a tremendous amount of memory,and demands ever increasing throughput speed as well. As 3D products for the personal computer become more and more popular, these demands will only increase. This will cause a rise in costs for both end users and manufacturers. Lowering these costs as well as improving performance is the motivation behind AGP. By providing a massive increase in the bandwidth available

between the video card and the processor,
it will assist in relieving some of these pres-sures for quite sometime.

1.1 Mainboard Features

Processor
Support Slot 1 / Socket 370 of
Intel Pentium II / PIII (133MHz) / Celeron,Coppermine CPU

Chipset
VIA 694X + 686A

Sound
Integrated in chip with Audio AC97 sound codec
Support Line out, Mic., Line in, Game port

Expansion Slot
1 * AGP (32bit) slot for 4X mode
4 * PCI (32 bit) slots
1 * ISA (16 bit) slot
1 * AMR slot (Audio Modem Riser)

Memory
3 * 168 pin DIMM sockets up to 1.5GB
Support SDRAM / (VCM) Virtual Channel Memory

BIOS
Award BIOS (Support Advanced Power Management Function)
with ACPI, DMI, Green and PnP
(Flash ROM for easy upgrade)

IDE
2 Bus Master IDE ports (up to 4 IDE devices)
Support Ultra DMA 33 / 66 function

I/O Interface
Support PS/2 keyboard and mouse
2 Serial ports (16550 High speed UART)
1 Parallel port (SPP / EPP / ECP)
2 USB connectors (2 USB channel for 4 USB ports)

ATX double decker for I/O connectors
Support IrDA TX / RX header

Other Features

Switching voltage regulator
Support CPU temperature warning function
Support 66MHz ~ 133MHz bus clock
ACPI Power Management, Soft-off control
STR(Suspend to RAM)
Support Modem Ring-in and RTC Alarm Wake-up
Support Wake-On-Lan Connector
Support SCSI / CD-ROM boot function

Power

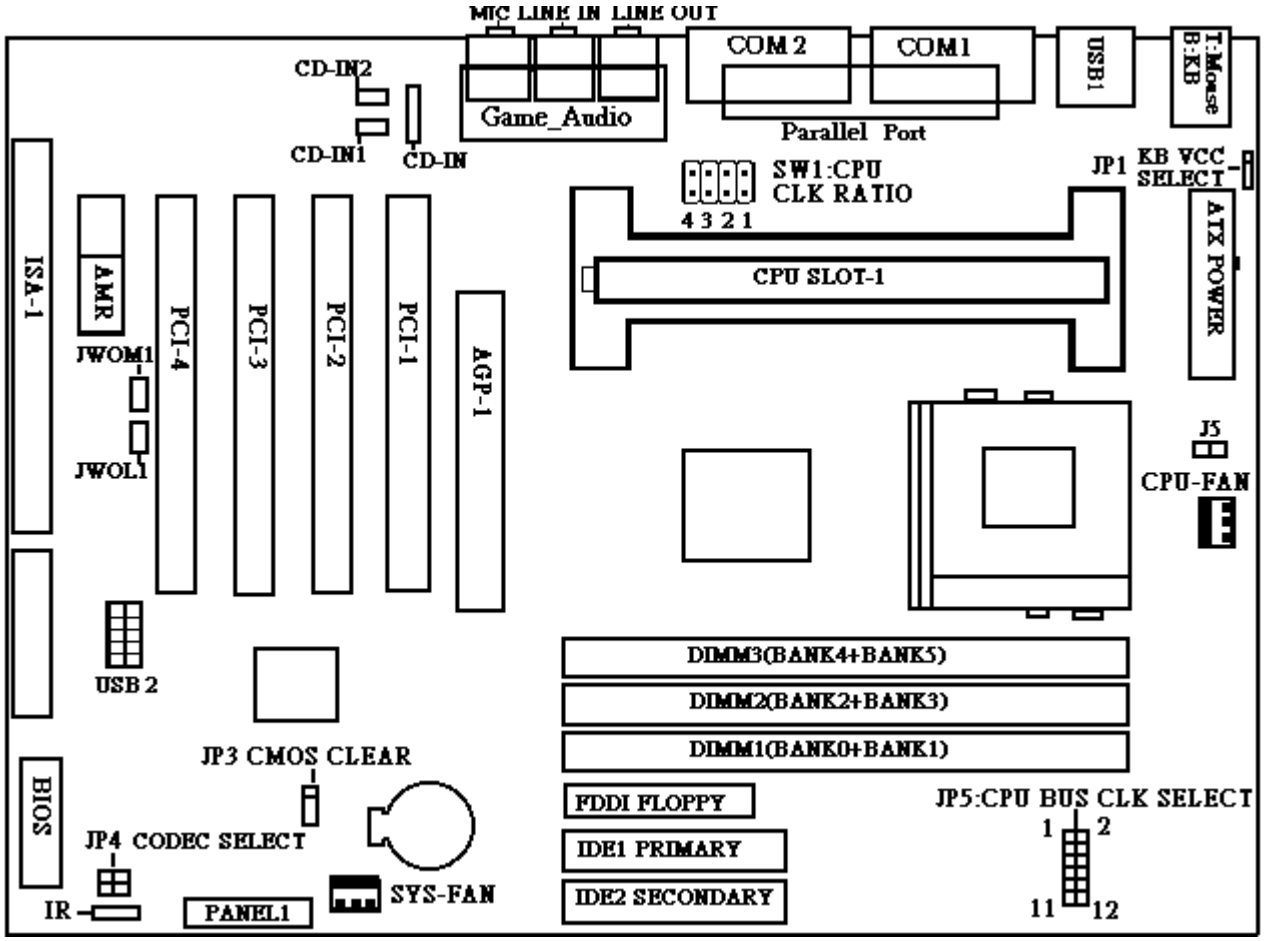
ATX power connector

Board Size

ATX factor by 30.5cm * 24.5cm, 4 Layers PCB

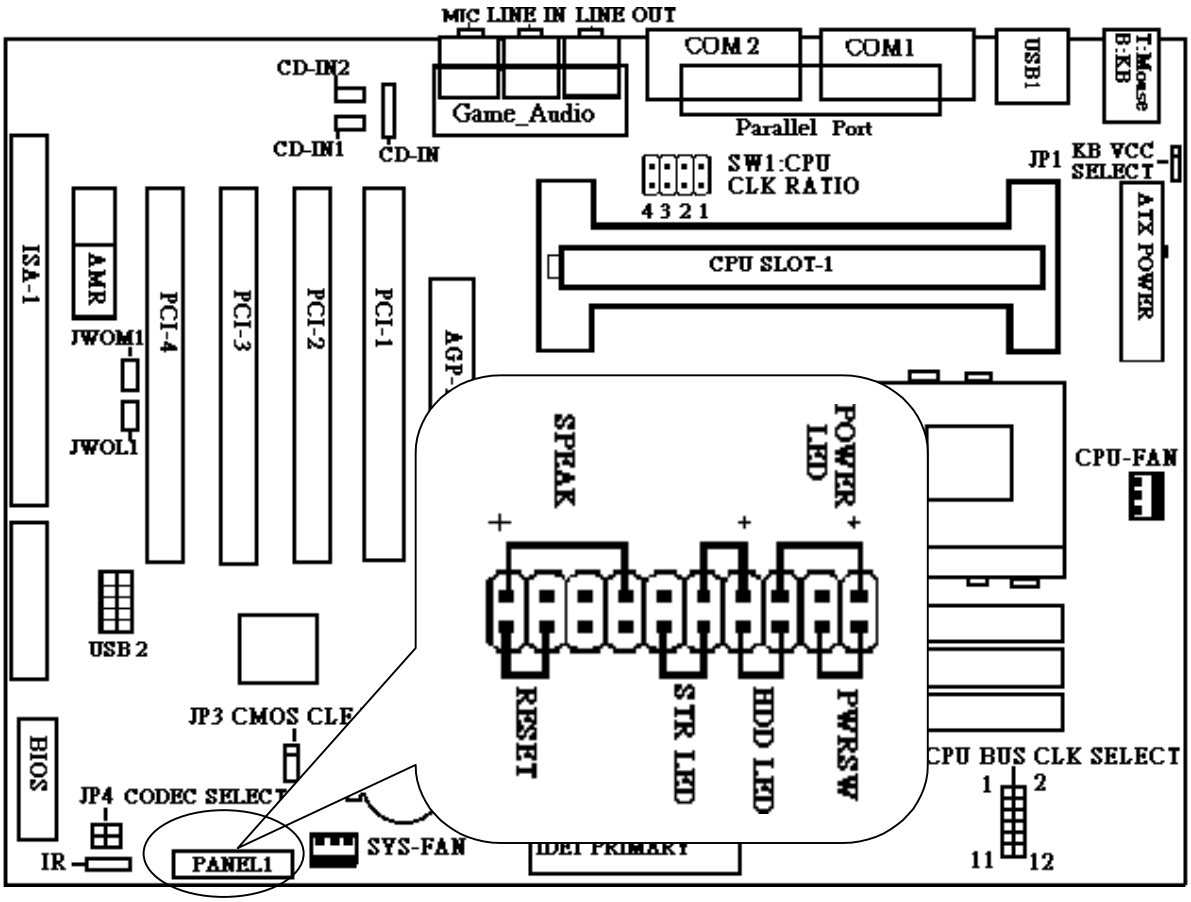
2, Hardware Installation

2.1 Mainboard Layout And Connectors Jumpers View



2-2 Connectors & Jumper Setting

PANEL1:Power LED, Speaker, ATX Power Stand By Led, ATX Power Switch, Reset, Hard disk Led, STR Led,



PS: ATX POWER SWITCH

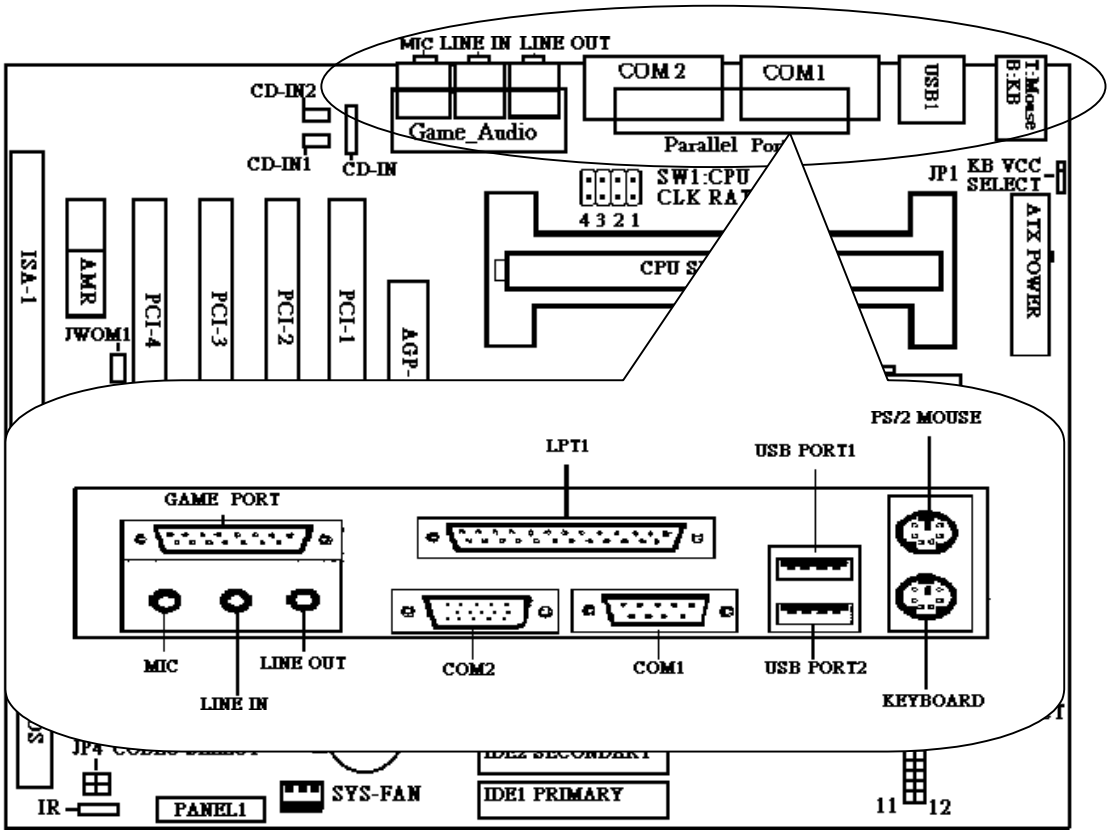
1.For Bios Setup Power Management Setup,In One Of The Item "SOFT-OFF BY PWR-BTTN:DELAY 4 SEC "

In this mode,When You One Touch (1 SEC.) will be into the suspend mode,and press

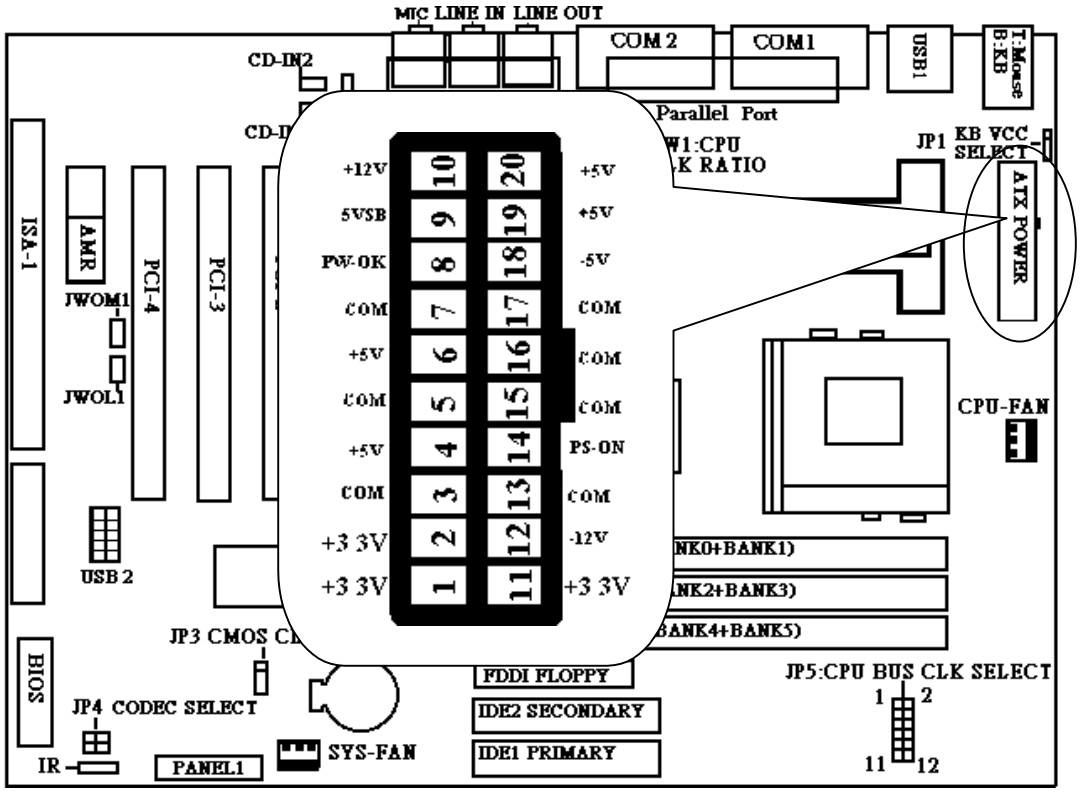
Any key will recover it. If you are keeping touch 4 sec above,the ATX power will be off.

2.If you shut down the computer the ATX POWER STAND BY LED will light.

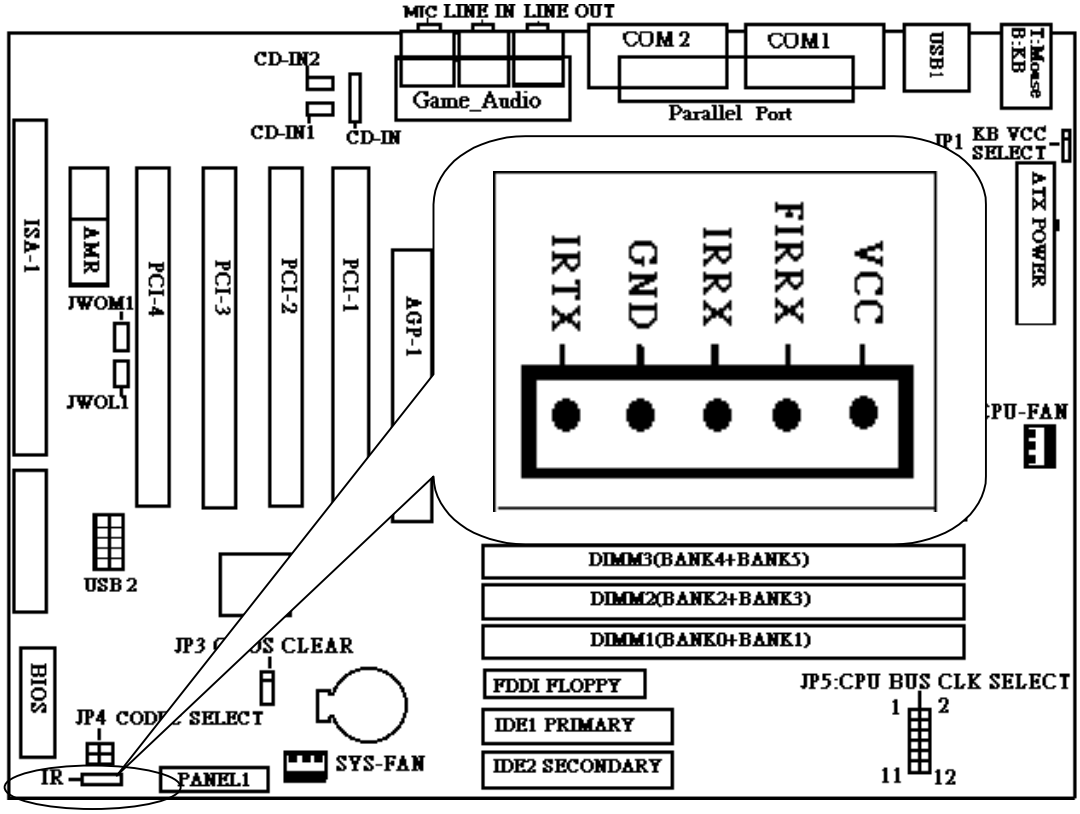
PS/2 Mouse Connector & Keyboard Connector
USB1 (Universl Serial Bus) Connector
Serial Port 1 Connector , Serial Port2 Connector , Printer Port Connector,Line in,Line out, MIC, Game port.



ATX POWER SUPPLY CONNECTOR

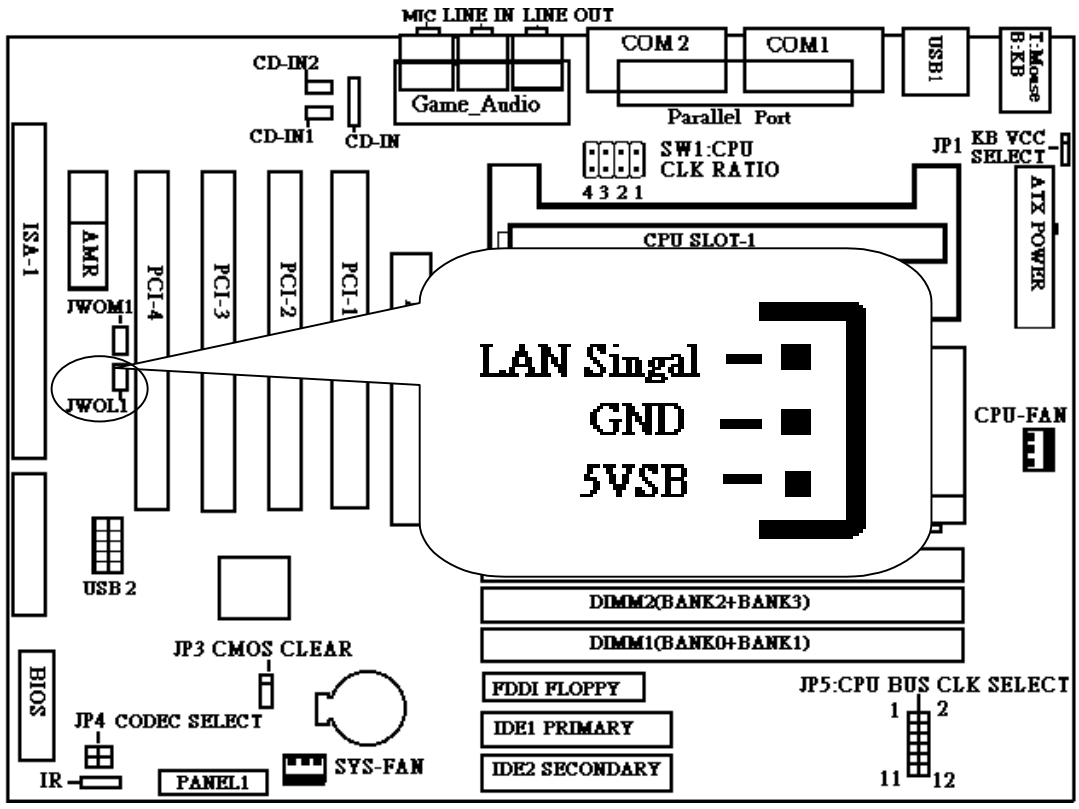


IR :FIR/CIR CONNECT

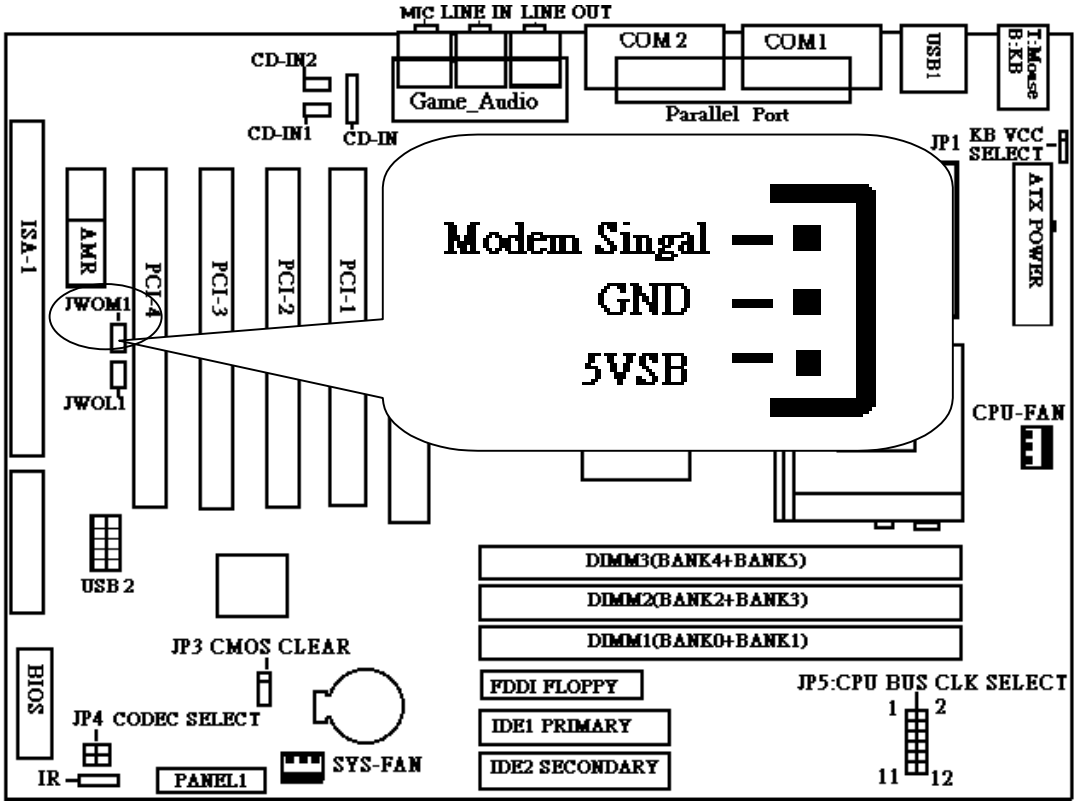


JWOL1 : WOL (WAKE ON LAN) CONNECT

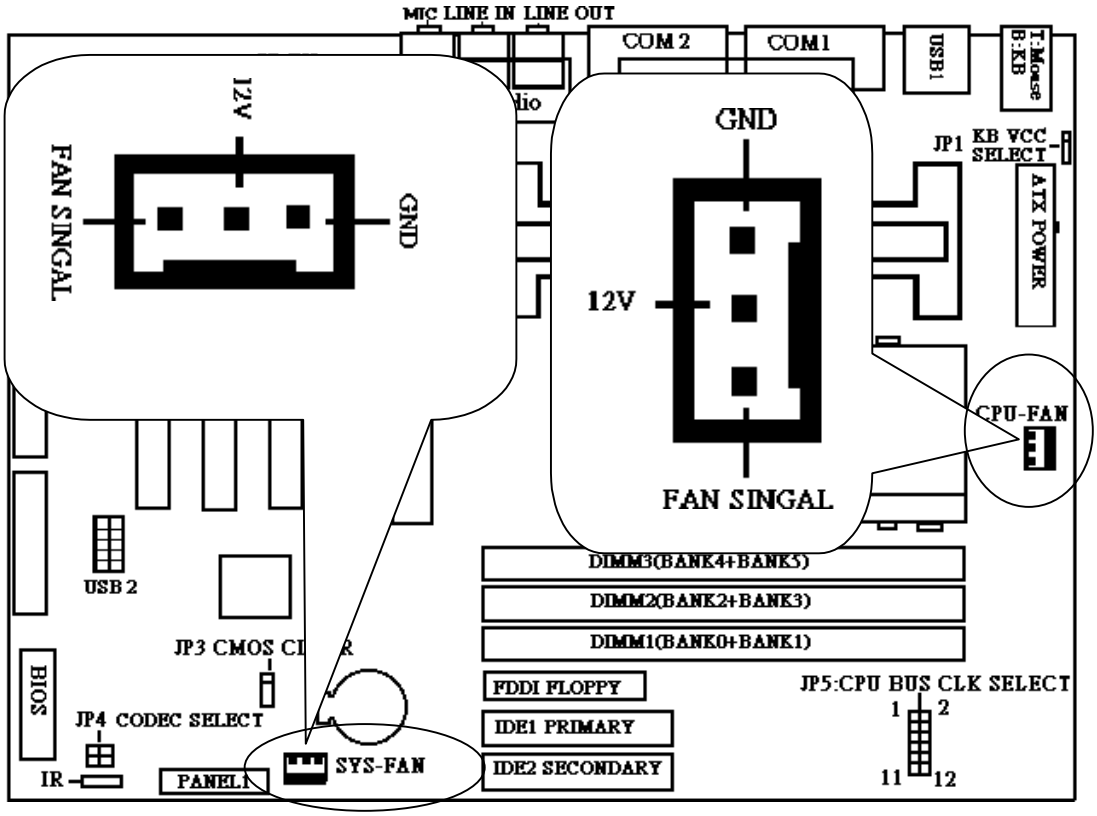
For supporting this feature,the system must have a ATX Power Supply),
that must provide at least 800mA driving ability on the
"5V standby"voltage



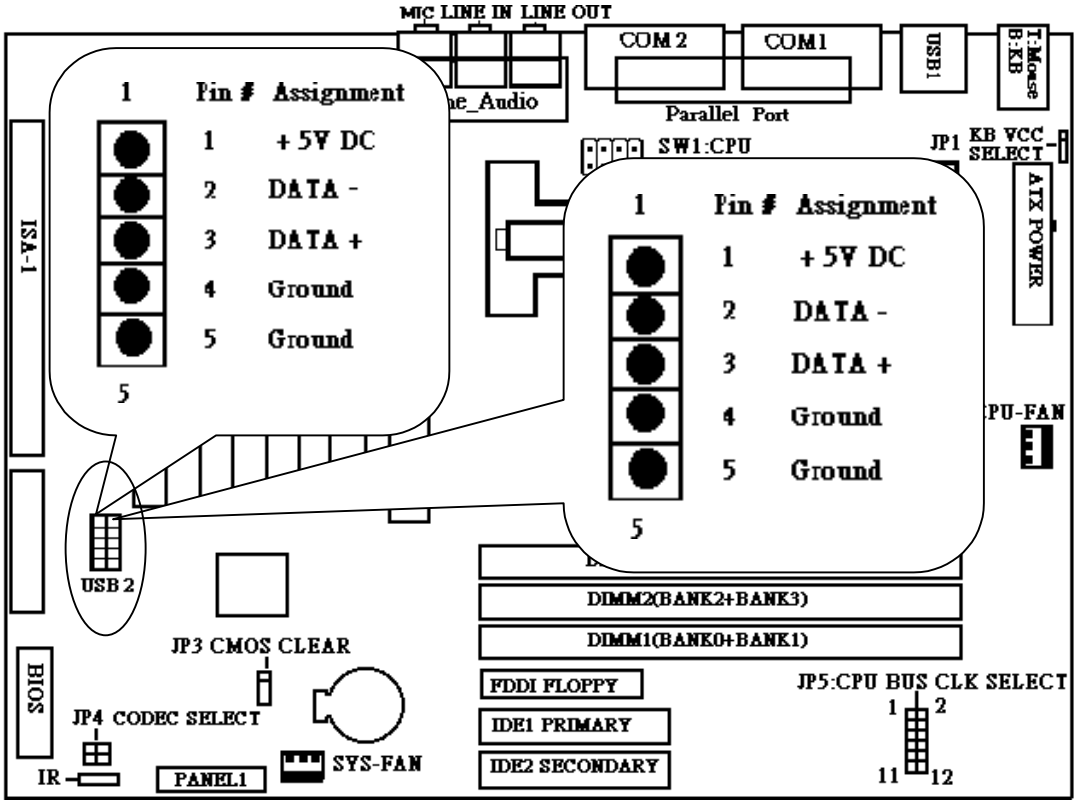
JWOM1 : WOM (WAKE ON MODEM) CONNECT



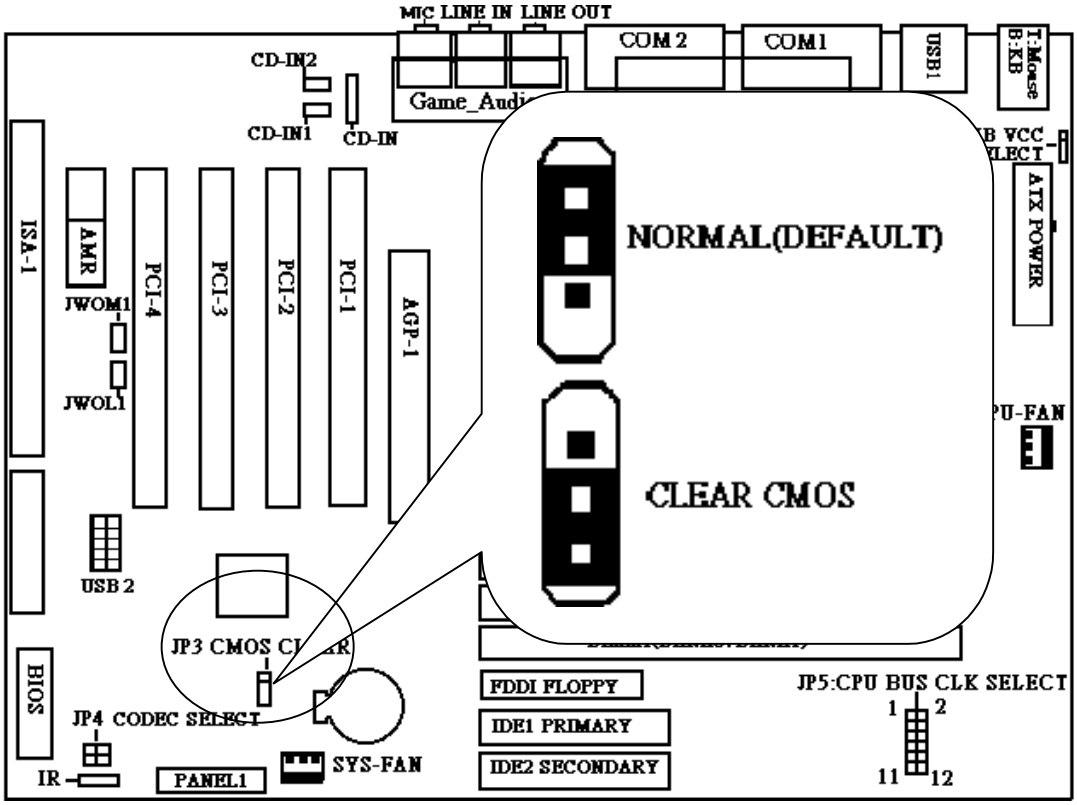
CPU-FAN: CPU FAN CONNECT
SYS-FAN : SYSTEM FAN CONNECT



USB2 : USB2 CONNECT

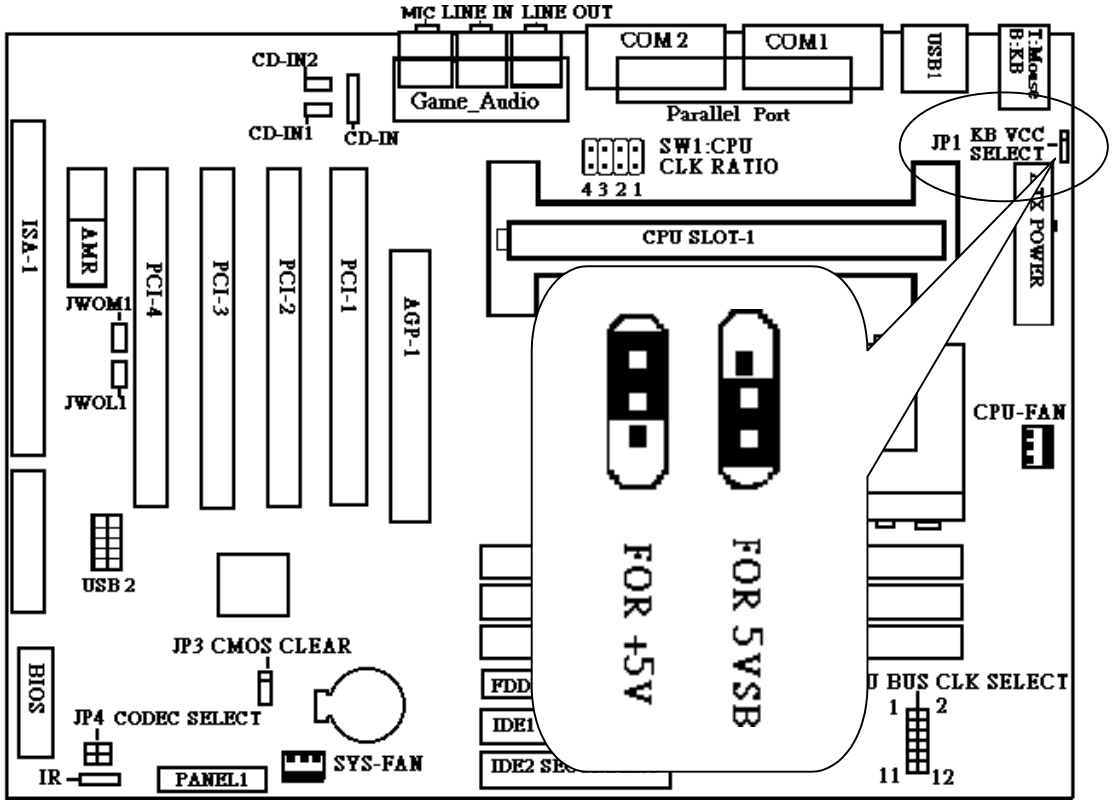


JP3: CMOS CLEAR SELECT

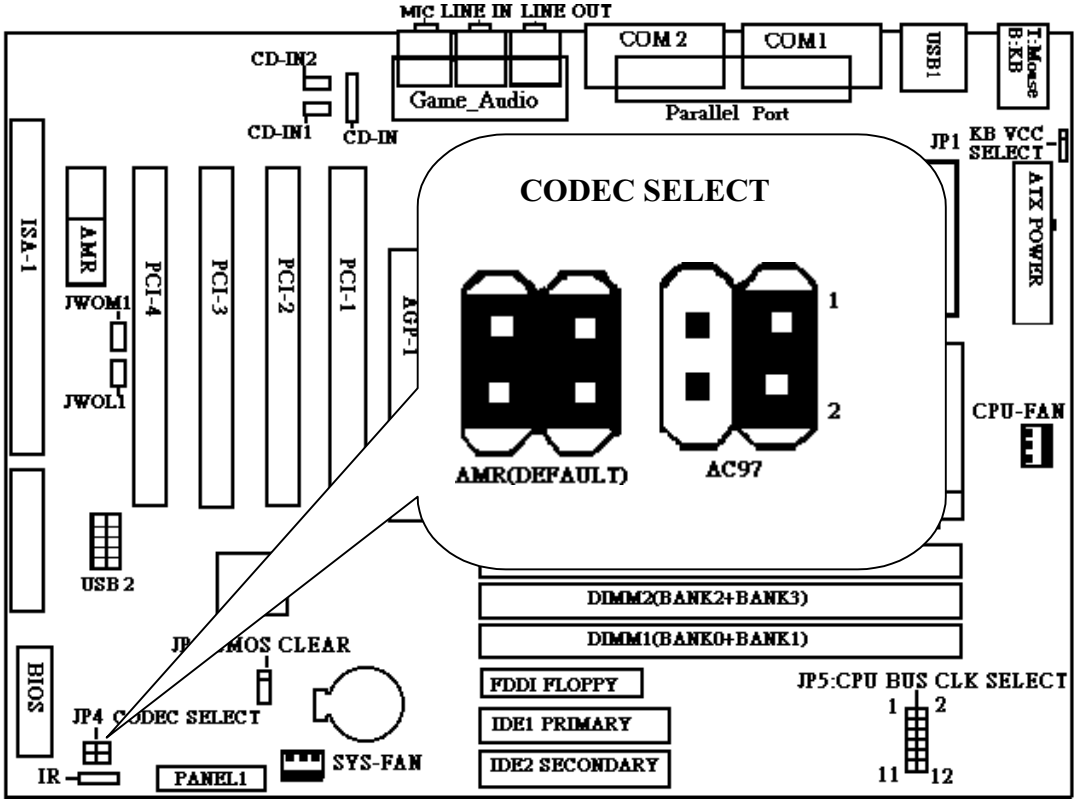


Clear CMOS: When you clear CMOS ,you got to power off(AC&DC) your computer, And clear CMOS about 5~10 secs,and you should change Back JP3 to normal(default).

JP1:KEYBOARD VCC SELECTOR



JP4: CODEC SELECT

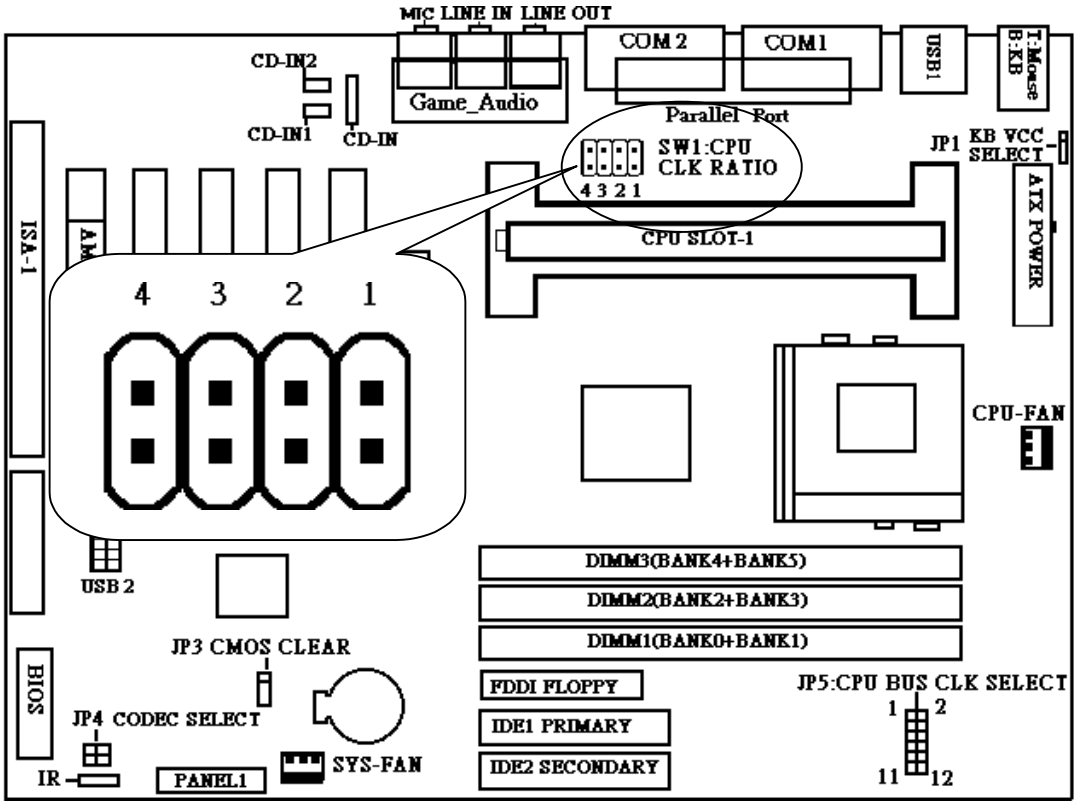


2-3 INSTALL CPU

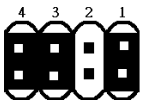
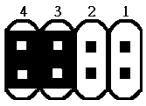
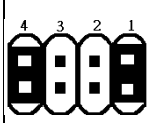
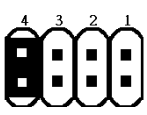
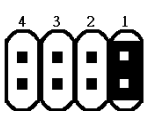
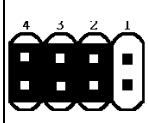
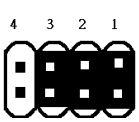
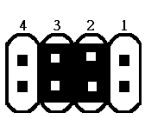
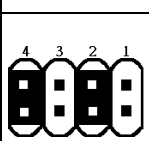
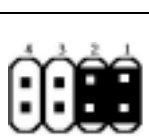
(1) NOTE: ***6XV94A CAN SUPPORT TWO KINDS OF CPU,SLOT1 AND 370 CPU, BUT YOU CAN NOT PUT IT TOGETHER., CAN SELECT ONE KIND EACH TIME, SLOT1 CPU OR FC-PGA SOCKET 370 CPU.***

INTEL PENTIUM II/III, CELERON,COPPERMINE CPU RATIO

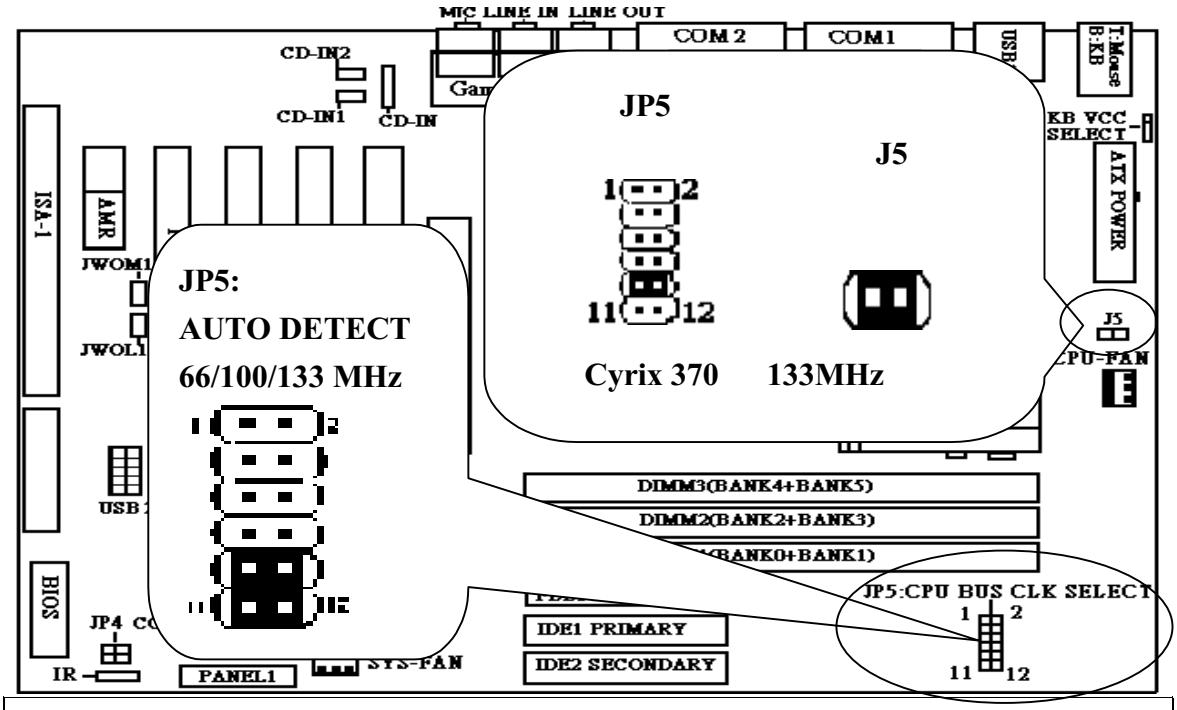
SW 1 :CPU RATIO SELECTOR

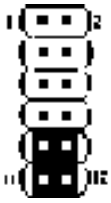
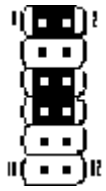
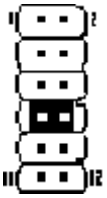
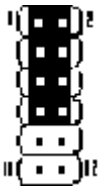


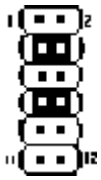
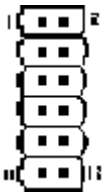
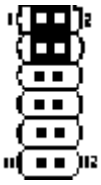
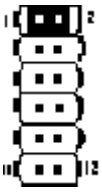
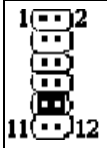
SW1 CPU RATIO (SW1) SELECTOR

CPU RATIO	SW 1 4 3 2 1	CPU RATIO	SW 1 4 3 2 1	CPU RATIO	SW 1 4 3 2 1
3X		5X		7X	
3.5X		5.5X		7. 5X	
4X		6X		8X	
4.5X		6.5X			

(2). CPU CLK SETTING FOR AUTO DETECT AND MANUAL



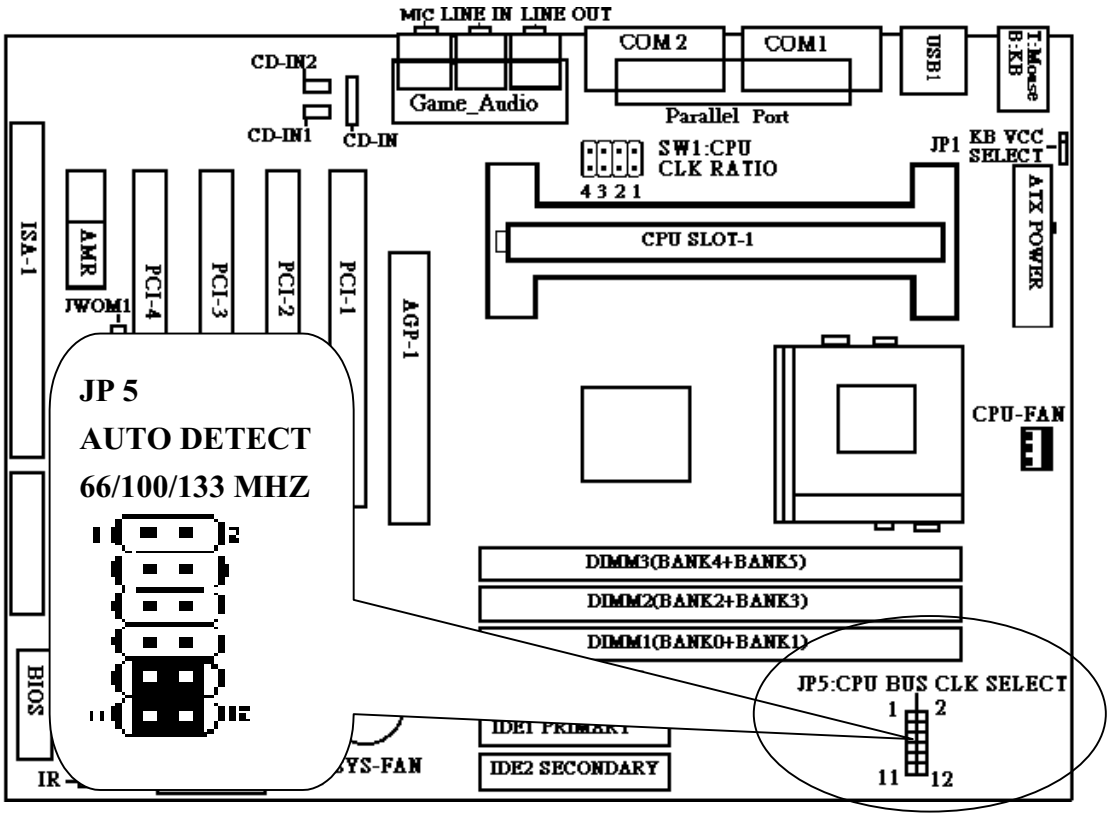
CPU CLK				
CLK TYPE	**JP5**	**BUS CLK (MHZ)**	**JP5**	**BUS CLK (MHZ)**
AUTO DETECT		**66/100/133 (default)**		**83**
MANUAL		**66**		**100**
MANUAL		**75**		**103**
MANUAL		**80**		**110**

CLK TYPE	JP5	BUS CLK (MHZ)	JP5	BUS CLK (MHZ)
MANUAL		112		133
MANUAL		115		140
MANUAL		120		150
MANUAL		124	Cyrix 370	JP5:  J5: Bus Clk: 133 MHz

Warning:

the frequency spec.of Via chipset bus clock is setted as 133MHZ
When you set the frequency of chipset over 133MHZ.We don't promise the over 133MHZ setting could keep the system continue to work stable.

(3)AUTO DETECT (66/100/133 MHZ)CLK



∗ ***The M/B Design Auto-Detect CPU BUS CLK 66 & 100 & 133 MHZ Frequency***

∗ ***No Jumper Needed For Setting .***

∗ ***For 133 MHZ BUS CLK . We Suggests Using " PC – 133 " SDRAM SPEC .***

∗ ***For Better Reliability . We Suggests Using SPD (Serial Port Data) SDRAM SPEC***

(4) QUICK INSTALL PENTIUM II/III CELERON AND COPPERMINE CPU

<1> PENTIUM II/III (REFERENCE)

Product Name	BUS CLK (MHZ)	Multiplier	SW1 4 3 2 1	Product Name	BUS CLK (MHZ)	Multiplier	SW1 4 3 2 1
Pentium II MMX-233	**66**	**3.5X**		**Pentium II/III MMX-450**	**100**	**4.5X**	
Pentium II MMX-266	**66**	**4X**		**Pentium II/III MMX-500**	**100**	**5X**	
Pentium II MMX-300	**66**	**4.5X**		**Pentium II/III MMX-550**	**100**	**5.5X**	
Pentium II MMX-333	**66**	**5X**		**Pentium II/III MMX-600**	**100**	**6X**	
Pentium II MMX-350	**100**	**3.5X**		**Pentium II/III MMX-650**	**100**	**6.5X**	
Pentium II MMX-400	**100**	**4X**		**Pentium II/III MMX-700**	**100**	**7X**	

<2>CELERON (REFERENCE)

Product Name	BUS CLK (MHZ)	Multiplier	SW1 4 3 2 1	Product Name	BUS CLK (MHZ)	Multiplier	SW1 4 3 2 1
CELERON 233	**66**	**3.5X**		**CELERON 400**	**66**	**6X**	
CELERON 266	**66**	**4X**		**CELERON 433**	**66**	**6.5X**	
CELERON 300	**66**	**4.5X**		**CELERON 466**	**66**	**7X**	
CELERON 333	**66**	**5X**		**CELERON 500**	**66**	**7.5X**	
CELERON 366	**66**	**5.5X**		**CELERON 533**	**66**	**8X**	

<3>COPPERMINE (REFERENCE)

Product Name	BUS CLK (MHZ)	Multiplier	SW1 4 3 2 1	Product Name	BUS CLK (MHZ)	Multiplier	SW1 4 3 2 1
500E	**100**	**5X**		**533EB**	**133**	**4X**	
550E	**100**	**5.5X**		**600EB**	**133**	**4.5X**	
600E	**100**	**6X**		**667B**	**133**	**5X**	
650	**100**	**6.5X**		**733B**	**133**	**5.5X**	
700	**100**	**7X**		**800B (Future)**	**133**	**6X**	
750	**100**	**7.5X**		**867B (Future)**	**133**	**6.5X**	
800 (Future)	**100**	**8X**		**933B (Future)**	**133**	**7X**	
				1GB (Future)	**133**	**7.5X**	

“B”------133MHz System Bus Frequency

“E”------Processor with “Advanced Transfer Cache

＊ The M/B Design Auto-Detect CPU BUS CLK 66 & 100 &133MHZ Frequency

＊ No Jumper Needed For Setting .

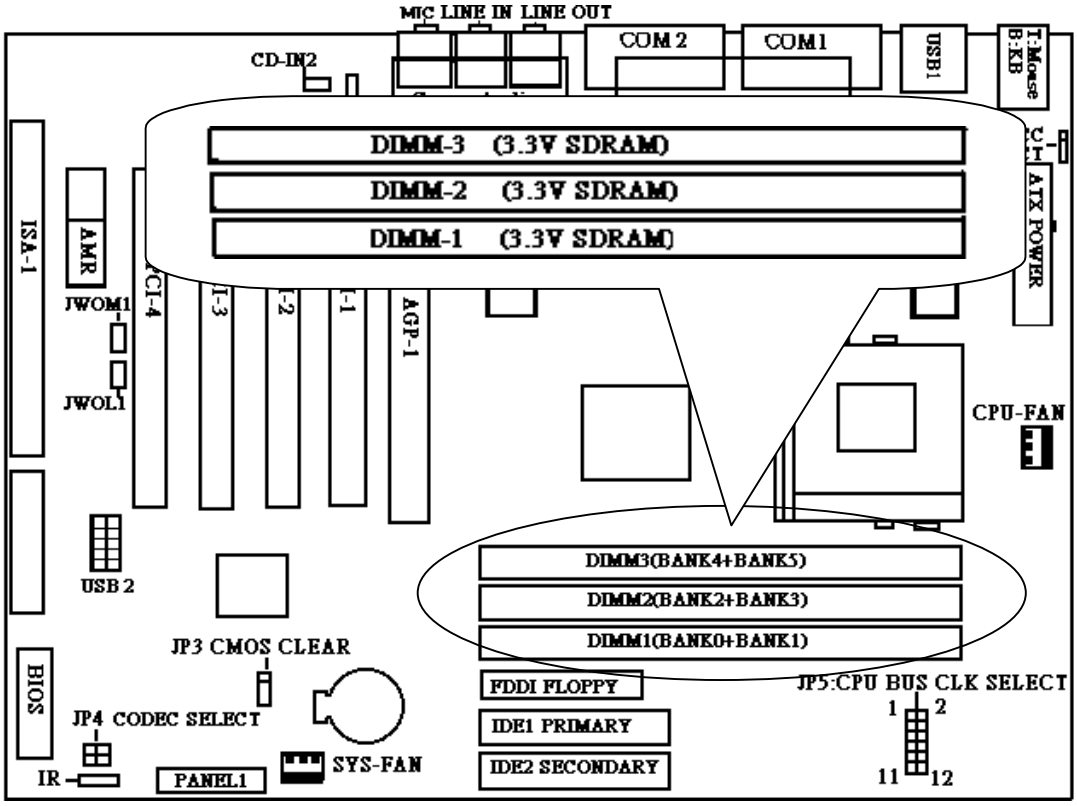
＊ For 133 MHZ BUS CLK . We Suggests Using “ PC – 133 “ SDRAM SPEC .

＊ For Better Reliability . We Suggests Using SPD (Serial Port Data) SDRAM SPEC

Note: The Above quick install CPU only for reference,our motherboard multiplier setting is not change.

2-4 INSTALL MEMORY

(1) PCB LAYOUT AND RELEVANT POSITIONS FOR DIMM X 3



(2) The Supports Different Type Of Settings For The System Memory . There Is No Jumper Nor Connect Needed For Memory Configuration . Following Figures Provides All Possible Memory Combinations .

SDRAM			STATUS
BANK0	BANK1	BANK2	
DIMM1	DIMM2	DIMM3	
INSTALLED	NONE	NONE	OK
NONE	INSTALLED	NONE	OK
NONE	NONE	INSTALLED	OK
INSTALLED	INSTALLED	NONE	OK
NONE	INSTALLED	INSTALLED	OK
INSTALLED	NONE	INSTALLED	OK
INSTALLED	INSTALLED	INSTALLED	OK

NOTE :

1 . SDRAM Module Specification : 3.3 V Only .

2 . For 133 MHZ BUS CLK . We Suggests Using " PC – 133 " SDRAM SPEC .

3 . For Better Reliability . We Suggests Using SPD (Serial Port Data) SDRAM SPEC .

2-5 The Instruction For VIA Chipset

1, VIA 4-in-1 Driver VER 4.19

The 4-in-1 driver is suitable for all VIA chipsets using Windows 95, 98, NT. This driver will install the:

IDE Busmaster.
VIA AGP
IRQ Routing Driver.
VIA ACPI Registry.

If you are using Windows 98 SE, you do not need to install the 4-in-1 driver as the IRQ Routing Driver and the ACPI Registry are already incorporated into the operating system. Users with Windows 98 SE may update the IDE Busmaster and AGP drivers by installing them individually.

The 4-in-1 driver : D:\MB_DRV\ 6XV94A\VIADRV\SETUP.EXE

If you are using Windows 2000, you do not need to install the 4-in-1 driver

2,Hardware Monitoring.

Hardware monitoring allows you to monitor various aspects of your systems operations and status. The features include CPU temperature, voltage and RPM of fan.

The Hardware Monitor Software, an application software based on Microsoft Windows 95 (98) / NT4.0, is used to control the VT82C686A Chipset System Hardware Monitor. It can monitor the temperatures, power supply voltages and fan speeds via VT82C686A Chipset and show the information on screen periodically. User can use it to specify temperature, voltage and fan speed configurations used by VT82C686A ,By the way, the alarm warning events and polling interval could also be set by this software. If there is an abnormal event happens, it will pop up a window on screen to inform the user the abnormal situation.

Installing the Hardware Monitor Software on Windows 95 (98) / NT4.0:

1.Start Windows 95 (98) / NT4.0.
2.Insert the driver CD disk
3.Choose "Run" from the "Start" menu.
4.In the "Run" dialog, type "D:\MB_DRV\6XV94A\HWM\SETUP.EXE" and click the "next" button.
5.The System Monitor setup program will start.
6.Follow the setup program's on-screen instructions.
7.The software will pop up when user click it's icon on taskbar area.

2-6 Install the Sound driver

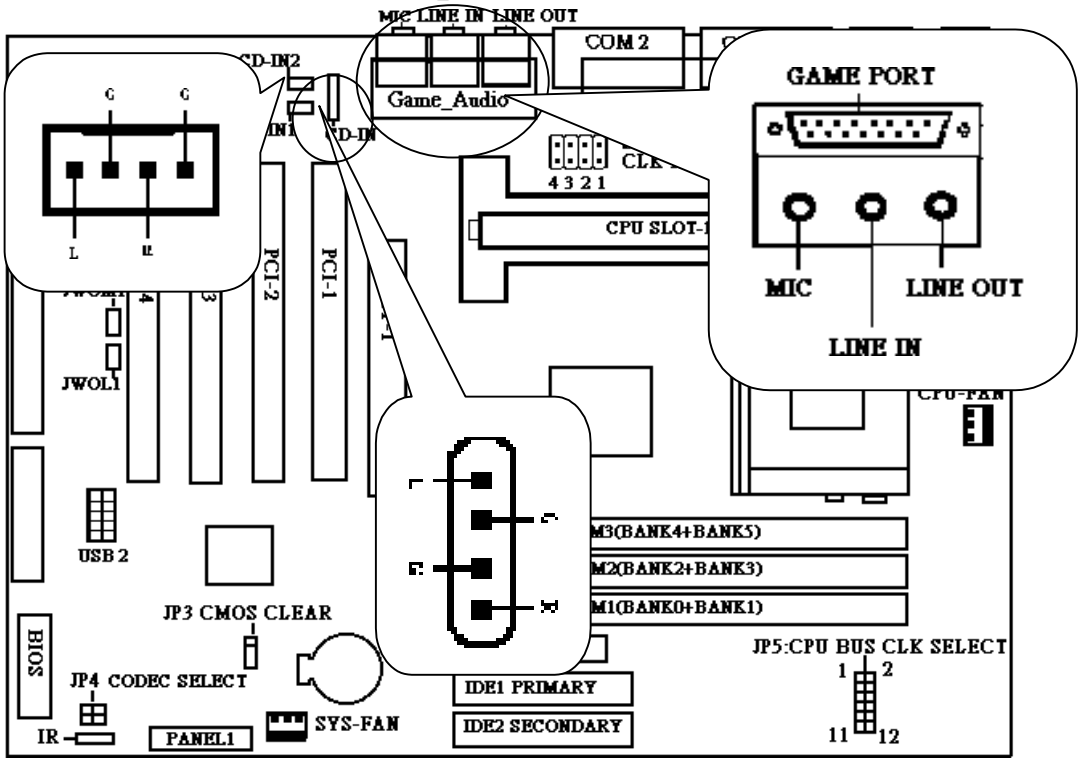
1, Installing the Onboard Sound Driver on Windows 95 (98,2000) / NT4.0:

1.Start Windows 95 (98,2000) / NT4.0.
2.Insert the driver CD disk
3.Choose "Run" from the "Start" menu.
4.In the "Run" dialog, type "D:\MB_DRV\6XV94A\SOUND\SETUP.EXE" and click the "next" button.
5.The System Monitor setup program will start.
6.Follow the setup program's on-screen instructions.
7.The software will pop up when user click it's icon on taskbar area.

Features

*16 bit stereo high quality sound
*Spatializer 3D sound
*Plug & Play Ready
*Support Full Duplex mode
*Record, compress, and playback voice, sound, music
*Mixer controlled recording, 6 channel mixer
*3-D Audio LINE Output,Stereo Input for LINE IN,
Mono Input for Microphone, GAME Port for Joystic or MIDI kit
*Builit in power amplifer
*Windows compatible and OLE complinat and OPL3 compatible
*Supports the Microsoft Windows Sound system
*Sound Blaster and Sound Blaster Pro compatible

2, Hardware Connect & Jumper



2-7 Hardware Monitoring.

Hardware monitoring allows you to monitor various aspects of your systems operations and status. The features include CPU temperature, voltage and RPM of fan.

1, PC Health Status

CMOS Setup Utility – Copyright © 1984 – 2000 Award Software
PC Health Status Setup

Current CPU Temp.	24°C/75°F	Item Help
Current System Temp	16°C/60°F	
		Menu Level ➢
Current CPU-FAN Speed	5002 RPM	
Current SYS-FAN Speed	0 RPM	
Vcore	2.01V	
2.5V	2.51V	
3.3V	3.3V	
5V	5V	
12V	12V	

↑↓←→Move Enter: Select +/-/PU/PD: Value F10:Save ESC: Exit F1:General Help
F5:Previous Values F6:Fail-safe defaults F7:Optimized Defaults

Current CPU Temperature

This is the current temperature of the CPU.

Current System Temp

This is the Current temperature of the system.

Current CPU- FAN Speed

The current CPU- fan speed in RPMs.

Current SYS- FAN Speed

The current SYS- fan speed in RPMs.

CPU(V): The voltage level of the CPU(Vio/Vcore).
+2.5V, +3.3V, +5V, +12V: The voltage level of the switch power supply..

2.Hardware Monitor for Win95/98/2000 AND WinNT.

When you install the Hardware Monitor driver and you will appear as follows: **VIA Hardware Monitor System V 1.07**

Temperature		
CPU Over-Heat Temp.	50 (Celsius)	■ Celsius □ Fahrenheit
CPU Hysterisis Temp.	40	
CPU Current Temp.	14	
System Over-Heat Temp.	50	
System Hysteresis	40	
System Current Temp.	16	

Voltage (V)	Fan Speed(RPM)
Vcore Value=2.03	CPU Fan: 5080
2.5V Value=2.49	System Fan: 0
3.3V Value=3.37	CPU Fan RPM 0
5V Value=5.03	System Fan RPM 0
12V Value=11.83	Polling Interval 5 secs
Range 125%… 75%	

UPDATE W/O SAVE

UPDATE AND SAVE

DEFAULT SETTING

USER SETTING

CLOSE

MiniMize

ALARM

□ CPU Over Heat

□ CPU Hysteresis Low

□ System Over Heat

□ System Hysteresis Low

□ Voltage Abnormal

□ CPU Fan Low

□ System Fan Low

SUBJECT : Y2K

AWARD Announcement

Award BIOS Supports Year 2000 and Beyond
Award Software International Inc. is pleased to announce that its BIOS software automatically solves The changeover to the year 2000 ,all Award BIOSes with the date code July 07,1995,and beyond can now support all dates to year 2079.
For Award BIOSes with earlier release dates,the user may either simply re-set the system date manually or use a free utility that will be available from a award at the end of this year,We will continue our best efforts to provide customers the technical support they need .if we can be of any service or if you have any further questions about this announcement,please do not hesitate to call us. Thank you so much for your support of Award.

This announcement in the
Award web-site *www.award.com.tw/news/oct1_96.htm*
If you have any Y2k problem,you can visit the Award web_site www.Award.com.tw

3.1 Main Menu

Once you enter the AwardBIOS™ CMOS Setup Utility, the Main Menu will appear on the screen. The Main Menu allows you to select from several 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.

CMOS Setup Utility - Copyright (C) 1984-2000 Award Software

Standard CMOS Feature Advanced BIOS Feature Advanced Chipset Feature Integrated Peripherals Power Management Setup PnP/PCI Configurations PC Healteh Status	Frequency/Voltage Control Load Fail-Safe Defaults Load Optimized Defaults Set Supervisor Password Set User Password Save & Exit Setup Exit Without Saving
Esc : Quit F10 : Save & Exit Setup	↑ ↓ ← → : Select Item
Time, Date, Hard Disk Type….	

Note that a brief description of each highlighted selection appears at the bottom of the screen.

Setup Items

The main menu includes the following main setup categories. Recall that some systems may not include all entries.

Standard CMOS Features

Use this menu for basic system configuration. See Section 2 for the details.

Advanced BIOS Features

Use this menu to set the Advanced Features available on your system. See Section 3 for the details.

Advanced Chipset Features

Use this menu to change the values in the chipset registers and optimize your system's performance. See section 4 for the details.

Integrated Peripherals
Use this menu to specify your settings for integrated peripherals. See section 4 for the details.

Power Management Setup
Use this menu to specify your settings for power management. See section 5 for the details.

PnP / PCI Configuration
This entry appears if your system supports PnP / PCI. See section 6 for the details.

PC Health Status
This entry appears the current system temperature,CPU temperature, Fan Speed, Shutdown temperature,and the Voltage.

Frequency/Voltage Control
Use this menu to specify your settings for frequency/voltage control. See section 7 for the details.

Load Fail-Safe Defaults
Use this menu to load the BIOS default values for the minimal/stable performance for your system to operate. See section 8 for the details.

Load Optimized Defaults
Use this menu to load the BIOS default values that are factory settings for optimal performance system operations. While Award has designed the custom BIOS to maximize performance, the factory has the right to change these defaults to meet their needs. See section 8 for the details.

Supervisor / User Password
Use this menu to set User and Supervisor Passwords. See section 9 for the details.

Save & Exit Setup
Save CMOS value changes to CMOS and exit setup. See section 10 for the details.

Exit Without Save
Abandon all CMOS value changes and exit setup. See section 10 for the details.

3.2 Standard CMOS Setup

The items in Standard CMOS Setup Menu are divided into 10 categories. Each category includes no, one or more than one setup items. Use the arrow keys to highlight the item and then use the <PgUp> or <PgDn> keys to select the value you want in each item.

. CMOS Setup Utility – Copyright © 1984 – 2000 Award Software
Standard CMOS Features

Date:	Mon, Feb 8 1999		Item Help
Time:	16 :19 :20		
			Menu Level ➢
➢ IDE Primary Master	PRESS ENTER	None	
➢ IDE Primary Slave	PRESS ENTER	None	Change the day, month, year and century
➢ IDE Secondary Master	PRESS ENTER	None	
➢ IDE Secondary Slave	PRESS ENTER	None	
Drive A	1.44M, 3.5in		
Drive B	None		
Video	EGA/VGA		
Halt On	All ,But Keyboard		
Based Memory	640K		
Extended Memory	64512K		
Total Memory	65536K		

↑↓←→Move Enter: Select +/-/PU/PD: Value F10:Save ESC: Exit F1:General Help
F5:Previous Values F6:Fail-safe defaults F7:Optimized Defaults

Main Menu Selections

This table shows the selections that you can make on the Main Menu

Item	Options	Description
Date	Month DD YYYY	Set the system date. Note that the 'Day' automatically changes when you set the date
Time	HH : MM : SS	Set the system time
IDE Primary Master	Options are in its sub menu (described in Table 3)	Press <Enter> to enter the sub menu of detailed options
IDE Primary Slave	Options are in its sub menu (described in Table 3)	Press <Enter> to enter the sub menu of detailed options
IDE Secondary Master	Options are in its sub menu (described in Table 3)	Press <Enter> to enter the sub menu of detailed options
IDE Secondary Master	Options are in its sub menu (described in Table 3)	Press <Enter> to enter the sub menu of detailed options
Drive A Drive B	None 360K, 5.25 in 1.2M, 5.25 in 720K, 3.5 in 1.44M, 3.5 in 2.88M, 3.5 in	Select the type of floppy disk drive installed in your system
Video	EGA/VGA CGA 40 CGA 80 MONO	Select the default video device
Halt On	All Errors No Errors All, but Keyboard All, but Diskette All, but Disk/Key	Select the situation in which you want the BIOS to stop the POST process and notify you
Base Memory	N/A	Displays the amount of conventional memory detected during boot up
Extended Memory	N/A	Displays the amount of extended memory detected during boot up
Total Memory	N/A	Displays the total memory available in the system

3.3 Advanced BIOS Features

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.

CMOS Setup Utility – Copyright © 1984 – 2000 Award Software
Advanced BIOS Features

Virus Warning	Disabled	Item Help
CPU Internal Cache	Enabled	_____
External Cache	Enabled	_
CPU L2 Cache ECC Checking	Enabled	
Quick Power On Self Test	Enabled	Menu Level ➢
First Boot device	HDD-0	
Second Boot device	Floppy	Allows you to choose the
Third Boot device	LS 120	VIRUS warning feature for
Boot other device	Enabled	IDE Hard Disk boot sector
Swap Floppy Drive	Disabled	protection. If this function is
Boot Up Floppy Seek	Disabled	enabled and someone attempt
Boot Up NumLock Status	Off	to write data into this area,
Gate A20 Option	Fast	BIOS will show a warning
Typematic Rate Setting	Disabled	message on screen and alarm
Typematic Rate (Chars/Sec)	6	beep
Typematic Delay (Msec)	250	
Security Option	Setup	
OS Select For DRAM > 64MB	Non-OS2	
Video BIOS Shadow	Enabled	
C8000-CBFFF shadow	Disabled	
CC000=CFFFF shadow	Disabled	
D0000-D3FFF shadow	Disabled	
D4000-D7FFF shadow	Disabled	
D8000-DBFFF shadow	Disabled	
DC000-DFFFF shadow	Disabled	

↑↓←→Move Enter: Select +/-/PU/PD: Value F10:Save ESC: Exit F1:General Help
F5:Previous Values F6:Fail-safe defaults F7:Optimized Defaults

Virus Warning

Allows you to choose the VIRUS Warning feature for IDE Hard Disk boot sector protection. If this function is enabled and someone attempt to write data into this area, BIOS will show a warning message on screen and alarm beep.

Enabled	Activates automatically when the system boots up causing a warning message to appear when anything attempts to access the boot sector or hard disk partition table.
Disabled	No warning message will appear when anything attempts to access the boot sector or hard disk partition table.

CPU Internal Cache/External Cache

These two categories speed up memory access. However, it depends on CPU/chipset design.

Enabled	Enable cache
Disabled	Disable cache

CPU L2 Cache ECC Checking

This item allows you to enable/disable CPU L2 Cache ECC checking.
The choice: Enabled, Disabled.

Quick Power On Self Test

This category speeds up Power On Self Test (POST) after you power up the computer. If it is set to Enable, BIOS will shorten or skip some check items during POST.the default value is Enabled.

Enabled	Enable quick POST
Disabled	Normal POST

First/Second/Third/Other Boot Device

The BIOS attempts to load the operating system from the devices in the sequence selected in these items.
The Choice: Floppy, LS120, HDD, SCSI, CDROM, Disabled.the default value is LS120.

Swap Floppy Drive

If the system has two floppy drives, you can swap the logical drive name assignments.
The choice: Enabled/Disabled.

Boot Up Floppy Seek
Seeks disk drives during boot up. Disabling speeds boot up.
The choice: Enabled/Disabled.

Boot Up NumLock Status
Select power on state for NumLock.
The choice: Enabled/Disabled.

Gate A20 Option
Select if chipset or keyboard controller should control GateA20.

Normal	A pin in the keyboard controller controls GateA20
Fast	Lets chipset control GateA20

Typematic Rate Setting
Key strokes repeat at a rate determined by the keyboard controller. When enabled, the typematic rate and typematic delay can be selected.
The choice: Enabled/Disabled.

Typematic Rate (Chars/Sec)
Sets the number of times a second to repeat a key stroke when you hold the key down.
The choice: 6, 8, 10, 12, 15, 20, 24, 30.

Typematic Delay (Msec)
Sets the delay time after the key is held down before it begins to repeat the keystroke.
The choice: 250, 500, 750, 1000.

Security Option
Select whether the password is required every time the system boots or only when you enter setup.

System	The system will not boot and access to Setup will be denied if the correct password is not entered at the prompt.
Setup	The system will boot, but access to Setup will be denied if the correct password is not entered at the prompt.

Note: To disable security, select PASSWORD SETTING at Main Menu and then you will be asked to enter password. Do not type anything and just press <Enter>, it will disable security. Once the security is disabled, the system will

boot and you can enter Setup freely.

OS Select For DRAM > 64MB

Select the operating system that is running with greater than 64MB of RAM on the system.

The choice: Non-OS2, OS2.

Video BIOS Shadow

Enabled copies Video BIOS to Shadow Ram improves performance.
This option allows video BIOS to be copied into RAM.
Video Shadowing will increase the video performance of your system.
The default is Enabled.
Enabled: Video shadow is enabled.
Disabled: Video shadow is disabled.
C8000 - CBFFF Shadow: **CC000 - CFFFF Shado**w:
D0000 - D3FFF Shadow: **D4000 - D7FFF Shado**w:
D8000 - DBFFF Shadow: **DC000 - DFFFF Shado**w:
These categories determine whether ROMs from option cards will be copied into
RAM. This will be in 16K byte or 32K byte units, and the size will depend on chipset of the option card.
Enabled: Optional shadow is enabled.

3.4 Advanced Chipset Features/Integrated Peripherals

CMOS Setup Utility – Copyright © 1984 – 2000 Award Software
Advanced Chipset Features

Bank 0/1 DRAM Timing	SDRAM 10ns	Item Help
Bank 2/3 DRAM Timing	SDRAM 10ns	
Bank 4/5 DRAM Timing	SDRAM 10ns	Menu Level ➢
SDRAM Cycle Length	3	
DRAM Clock	HCLK-33M	
Memory Hole	Disabled	
P2C/C2P Concurrency	Enabled	
Fast R-W Turn Around	Disabled	
System BIOS Cacheable	Disabled	
Video RAM Cacheable	Disabled	
AGP Aperture Size (MB)	64M	
AGP 4X Mode	Enabled	
AGP Driving Control	Auto	
AGP Driving Value	DA	
Onchip USB	Enabled	
USB Keyboard Support	Disabled	
Onchip Sound	Auto	
Onchip Modem	Auto	
CPU to PCI Write Buffer	Enabled	
PCI Dynamic Bursting	Enabled	
PCI Master 0 WS Write	Enabled	
PCI Delay Transaction	Disabled	
PCI #2 Access #1 Retry	Enabled	
AGP Master 1 WS Write	Disabled	
AGP Master 1 WS Read	Disabled	
Memory Parity /ECC Check	Disabled	

↑↓←→Move Enter: Select +/-/PU/PD:Value F10:Save ESC: F1:General Help
F5:Previous Values F6:Fail-safe defaults F7:Optimized Defaults

Bank 0/1 DRAM Timing

This value in this field is set by the system
board manufacturer, depending on whether the board has paged DRAMs EDO (extended data output) DRAMs.
This item allows you to select SDRAM 10 ns,8 ns,Normal,Medium,Fast,Turbo. The default is SDRAM 10 ns.

Bank 2/3 DRAM Timing

This item allows you to select SDRAM 10 ns,8 ns,Normal,Medium,Fast,Turbo. The default is SDRAM 10 ns.

Bank 4/5 DRAM Timing

This item allows you to select SDRAM 10 ns,8 ns,Normal,Medium,Fast,Turbo. The default is SDRAM 10 ns.

SDRAM Cycle Length

This item allows you to select 3,2. The default setup is 3.
This setting defines the CAS timing parameter of the
SDRAM in terms of clocks. The default is 3.
2: Provides faster memory performance.
3: Provides better memory compatibility.

DRAM Clock

This item allows you to select Host CLK,HCLK-33M, 66MHz. The default setup is HCLK-33M.

Memory Hole

Some special add-on cards require a 1MB address space between 15 and 16MB. The documentation for this type of card should prompt you if it need this. The default setting is Disabled. You can reserve this memory area for the use adaptor
ROMs. The default is Disabled.
Enabled: This field enables the main memory (15~16MB) to remap to ISA BUS.
Disabled: Normal Setting.
Note: ***If this feature is enabled you will not be able to cache this memory segment.***

P2C/C2P Concurrency

This item allows you to select Disabled,Enabled.the default setup is Enabled.

Fast R-W Turn Around

This item allows you to select Disabled,Enabled.the default setup is Disabled.

System BIOS Cacheable

This allows you to copy your BIOS code from slow
ROM to fast RAM. The default is Disabled.
Enabled: The option will improve system performance. However, if any program
writes to this memory area, a system error may result.
Disabled: System BIOS non-cacheable.
This item allows you to select Enabled, Disabled. The default is Disabled.

Video BIOS Cacheable

This option copies the video ROM BIOS to fast RAM
(C0000h to C7FFFh). The default is Enabled.
Enabled: Enables the Video BIOS Cacheable to speed up the Performance.
Disabled: Will not use the Video BIOS Cacheable function.

Video RAM Cacheable

This option allows the CPU to cache read/writes of the
video RAM. The default is Enabled.
Enabled: This option allows for faster video access.
Disabled: Reduced video performance.

AGP Aperture Size (MB)

This item sets the maximum amount of system memory that an AGP card will use to store 3D texture mapping data. The larger aperture makes the better performance of the 3D function. The settings range from 4MB to 128MB. The default setting is “64MB”.

AGP-4X Mode

This item allows you to select Enabled, Disabled. The default is Enabled.
Chipset AGP Mode support.
Options: x1 , x2 and x4.

AGP Driving Control

The default is Auto.

AGP Driving Value
The default is DA.

Onchip USB
Select Enabled if your system contains a Universal Serial Bus
(USB) controller and you have a USB peripheral.
This item allows you to select Enabled, Disabled. The default is Enabled.

USB Keyboard Support
This controls the activation status of an optional USB
keyboard that may be attached. The default is disabled.
Enabled: Enable USB keyboard support.
Disabled: Disable USB keyboard support.
If you have USB keyboard, you must be enable this item.
The default is Disabled.

Onchip Sound
Turn on/off onchip sound device.the default value is Auto.

Onchip Modem
Turn on/off onchip software modem device, the default value is Auto.

CPU to PCI Write Buffer
When enabled, up to four D words of data can be
written to the PCI bus without interruting the CPU. When disabled, a write buffer
is not used and the CPU read cycle will not be completed until the PCI bus signals
that it is ready to receive the data.
The Choice: Enabled, Disabled.

PCI Dynamic Bursting
When Enabled, data transfers on the PCI bus, where possible,
make use of the high-performance PCI bust protocol, in which graeater amounts of data are transferred at a single command.
The Choice: Enabled, Disabled.

PCI Master 0 WS Write
When Enabled, writes to the PCI bus are command
with zero wait states.

This item allows you to select Enabled, Disabled. The default is Enabled.

PCI Delay Transaction

The chipset has an embedded 32-bit posted write buffer
to support delay transactions cycles. Select Enabled to support compliance with PCI specification
This item allows you to select Enabled, Disabled. The default is Disabled.

PCI #2 Access #1 Retry

This item allows you enabled/disable the PCI #2
Access #1 Retry.
The Choice: Enabled, Disabled. The default is Enabled.

AGP Master 1 WS Write

This item allows you to select Enabled, Disabled. The default is Disabled.

AGP Master 1 WS Read

This item allows you to select Enabled, Disabled. The default is Disabled.

Memory Parity /ECC Check

This item allows you to select Enabled, Disabled. The default is Disabled.
Enabled adds a parity check to the boot-up memory tests,select Enabled only
If the system Dram contains parity.

Integrated Peripherals

CMOS Setup Utility – Copyright © 1984 – 2000 Award Software
Integrated Peripherals

OnChip IDE Channel 0	Ebabled	Item Help
OnChip IDE Channel 1	Ebabled	
IDE Prefetch Mode	Ebabled	Menu Level ➢
Primary Master PIO	Auto	
Primary Salve PIO	Auto	
Secondary Master PIO	Auto	
Primary Master UDMA	Auto	
Primary Salve UDMA	Auto	
Secondary Master UDMA	Auto	
Secondary Salve UDMA	Auto	
Init Display First	PCI Slot	
IDE HDD Block Mode	Enabled	
OnBoard FDD Controller	Enabled	
Onboard Serial Port 1	Auto	
Onboard Serial Port 2	Auto	
UART 2 Mode	Standard	
IR Function Duplex	Half	
TX.RX inverting enable	No. Yes	
Onboard Parallel Port	378/IRQ7	
Onboard Parallel Mode	Normal	
ECP Mode use DMA	3	
Parallel Port EPP Type	EPP 1.9	
Onboard Legacy Audio	Enabled	
Sound Blaster	Enabled	
SB I/O Base address	220H	
SB IRQ Select	IRQ5	
SB DMA Select	DMA1	
MPU-401	Enabled	
MPU-401 I/O Address	300-333H	
Game Port(200-207H)	Enabled	

↑↓←→ Move Enter: Select +/-/PU/PD: Value F10:Save ESC: Exit F1:General Help
F5:Previous Values F6:Fail-safe defaults F7:Optimized Defaults

OnChip IDE Channel 0

The chipset contains a PCI IDE interface with support for two IDE channels. Select Enabled to activate the primary IDE interface. Select Disabled to deactivate this interface

The choice: Enabled, Disabled.

OnChip IDE Channel 1
The chipset contains a PCI IDE interface with support for two IDE channels. Select Enabled to activate the secondary IDE interface. Select Disabled to deactivate this interface
The choice: Enabled, Disabled.

IDE Prefetch Mode
This item allows you to select Enabled, Disabled. The default is Enabled. Enable prefetching for IDE drive interfaces that support its faster drive accesses. If you are getting disk drive errors, change the setting to omit the drive interface where the errors occur. Depending on the configuration of your IDE subsystem, this field may not appear, and it does not appear when the Internal PCI/IDE field, above, is Disabled.

Primary/Secondary Master/Slave PIO
The four IDE PIO (Programmed Input/Output) fields let you set a PIO mode (0-4) for each of the four IDE devices that the onboard IDE interface supports. Modes 0 through 4 provide successively increased performance. In Auto mode, the system automatically determines the best mode for each device.
The choice: Auto, Mode 0, Mode 1, Mode 2, Mode 3, Mode 4.

Primary/Secondary Master/Slave UDMA
Ultra DMA/33 implementation is possible only if your IDE hard drive supports it and the operating environment includes a DMA driver (Windows 95 OSR2 or a third-party IDE bus master driver). If your hard drive and your system software both support Ultra DMA/33, select Auto to enable BIOS support.

The Choice: Auto, Disabled.

Init Display First
This item allows you to decide to active whether PCI Slot or Onboard first
The choice: PCI Slot, Onboard. If two video cards are used (1 AGP and 1 PCI) this specifies which one will be the primary display adapter.
The default is PCI Slot.

IDE HDD Block Mode
Block mode is also called block transfer, multiple commands, or multiple sector read/write. If your IDE hard drive supports block mode (most new drives do), select Enabled for automatic detection of the optimal number of block read/writes per sector the drive can support.
The choice: Enabled, Disabled, the default value is Enabled.

Onboard FDD Controller
This item allows you to select Enabled, Disabled. The default is Enabled. This controls the state of the onboard floppy
controller. The default value is Enabled.
Enabled: Enable the Onboard Winbond Chips's floppy drive interface controller.
Disabled: Disable the Onboard Winbond Chip's floppy drive interface controller.

Uart 2 Mode
This item allows you to determine which Infra Red (IR) function of onboard I/O chip.
The Choice: Standard, ASKIR, HPSIR.

Onboard Parallel port:
This field allows the user to configure the LPT port.
The default is 378H / IRQ7.
378H: Enable Onboard LPT port and address is 378H and IRQ7.
278H: Enable Onboard LPT port and address is 278H and IRQ5.
3BCH: Enable Onboard LPT port and address is 3BCH and IRQ7.
Disabled: Disable Onboard Winbond Chip's LPT port.

Parallel Port Mode
This field allows the user to select the parallel port mode.
The default is Normal.
Normal: Standard mode. IBM PC/AT Compatible bidirectional parallel port.
EPP: Enhanced Parallel Port mode.
ECP: Extended Capabilities Port mode.
EPP+ECP: ECP Mode & EPP Mode.

Onboard Legacy Audio: Legacy Audio enabled/disabled.
Sound Blaster: Sound Blaster compatible device enabled/disabled.the default Value is Enabled.
SB I/O Base Address: Sound Blaster I/O resource selection.
SB IRQ Select: Legacy audio device IRQ selection.

SB DMA Select: Sound Blaster DMA channel selection.
MPU-401: MPU-401 function enabled/disabled.the default value is Enabled.
MPU-401 I/O Address: Built-in MPU-401 compatible MIDI I/O port selection:
300-303H
310-313H
320-323H
330-333H (default)
Game Port (200-207H): Built-in joystick port support
disabled/enabled(default)

3.5 Power Management Setup

The Power Management Setup allows you to configure you system to most

effectively save energy while operating in a manner consistent with your own style of computer use.

CMOS Setup Utility – Copyright © 1984 – 2000 Award Software
Power Management Setup

ACPI function	Enabled	Item Help
Power Management	Press Enter	
ACPI Suspend Type	S1(POS)	Menu Level ➢
PM Control by APM	Yes	
Video off Option	Suspend>off	
Video off Method	V/H SYNC+Blank	
MODEM Use IRQ	3	
Soft-off by PWRBTN	Instant-off	
State After Power Failure	off	
Wake Up Events	Press Enter	

↑↓←→Move Enter: Select +/-/PU/PD: Value F10:Save ESC: Exit F1:General Help
F5:Previous Values F6:Fail-safe defaults F7:Optimized Defaults

ACPI Function

This item allows you to enable/disable the Advanced Configuration and Power Management (ACPI).

Enabled: Support ACPI function for new O.S

Disabled: No Support ACPI function.

You can only change the content of Doze Mode, Standby Mode, and Suspend Mode when the Power Management is set to 'User Define'.

The choice: Enabled, Disabled.

Power Management

This category allows you to select the type (or degree) of power saving and is directly related to the following modes: Press Enter

1. HDD Power Down
2. Doze Mode
3. Suspend Mode
4. There are four selections for Power Management, three of which have fixed mode settings.

Disable (default)	No power management. Disables all four modes

Min. Power Saving	Minimum power management. Doze Mode = 1 hr. Standby Mode = 1 hr., Suspend Mode = 1 hr., and HDD Power Down = 15 min.
Max. Power Saving	Maximum power management -- **ONLY AVAILABLE FOR SL CPU's**. Doze Mode = 1 min., Standby Mode = 1 min., Suspend Mode = 1 min., and HDD Power Down = 1 min.
User Defined	Allows you to set each mode individually. When not disabled, each of the ranges are from 1 min. to 1 hr. except for HDD Power Down which ranges from 1 min. to 15 min. and disable.

ACPI Suspend Type
This item allows you to select S1(POS) and S3(STR),The default value is S1(POS).

PM Control by APM
This option shows weather or not you want the Power
Management to be controlled the Advanced Power Management (APM).
The default is Yes.
Yes: APM controls your PM. **No:** APM does not control your PM

Video off Option
This item allows you to select Suspend Off and On The default value is Suspend Off..

Video Off Method
This determines the manner in which the monitor is blanked.

V/H SYNC+Blank	This selection will cause the system to turn off the vertical and horizontal synchronization ports and write blanks to the video buffer.
Blank Screen	This option only writes blanks to the video buffer.
DPMS	Initial display power management signaling.

MODEM Use IRQ
This determines the IRQ in which the MODEM can use.
The choice: 3, 4, 5, 7, 9, 10, 11, NA.

Soft-Off by PWRBTN

Pressing the power button for more than 4 seconds forces the system to enter the Soft-Off state when the system has "hung.". The choice: Delay 4 Sec, Instant-Off.,the default value is Instant-off

State After Power Failure

This field lets you determine the state that your PC returns to after a power Failure,If set to off,the pc will not boot after a power failure,if set to on,the PC Will restart after a power failure

Wake Up Events

Press Enter

VGA: Off **LPT & COM:** LPT/COM **HDD&FDD**:On **PCI Maste**r: Off

Modem Ring Resume: When set to *Enable*d, any event occurring to the Modem

Ring will awaken a system which has been powered down.

RTC Alarm Resume: When set to *Enable rtc alarm resume,* you could set the date (of month) and timer (hh:mm:ss), any event occurring at will awaken a system which has been powered down.

Primary INTR: When set to *On* (default), any event occurring at will awaken a system which has been powered down.

Resume By Alarm (For ATX POWER ONLY)

This item allows you to select Disabled ,Enabled.

Which allows the user setting date(Day/Hour/Minute)

in advance for turning on the system with a range in 30 days.

The system will be awoken on the date according to the user' setup.

IRQs Activity Monitoring: Press Enter.

- IRQ3 (COM2) Enabled
- IRQ4 (COM1) Enabled
- IRQ5 (LPT2) Enabled
- IRQ6 (Floppy Disk) Enabled
- IRQ7 (LPT1) Enabled
- IRQ8 (RTC Alarm) Disabled
- IRQ9 (IRQ2 Redir) Disabled
- IRQ10 (Reserved) Disabled
- IRQ11 (Reserved) Disabled
- IRQ12 (Reserved) Enabled
- IRQ13 (Coprocessor) Enabled
- IRQ14 (Hard Disk) Enabled
- IRQ15 (Reserved) Disabled

3.6 PnP/PCI Configuration Setup

This section describes configuring the PCI bus system. PCI, or personal computer Interconnect, is a system which allows I/O devices to operate at speeds nearing the speed the CPU itself uses when communicating with its own special components. This section covers some very technical items and it is strongly recommended that only experienced users should make any changes to the default settings.

CMOS Setup Utility – Copyright © 1984-2000 Award Software

PnP/PCI Configurations

		Item Help
PNP OS Installed	No	Menu Level ➢
Reset Configuration Data	Disabled	Default is Disabled. Select Enabled to reset Extended System Configuration Data(ESCD) when you exit Setup if you have installed a new add-on and the system reconfiguration has caused such a serious conflict that the OS cannot boot
Resources Controlled By	AUTO(ESCD)	
x IRQ Resources	Press Enter	
x DMA Resources	Press Enter	
PCI/VGA Palette Snoop	Disabled	
Assign IRQ For VGA	Enabled	
Assign IRQ For USB	Enabled	

↑↓←→Move Enter: Select +/-/PU/PD: Value F10:Save ESC: Exit F1:General Help
F5:Previous Values F6:Fail-safe defaults F7:Optimized Defaults

PNP OS Installed

Select Yes if you are using a plug and play capable operating system ,Select No if You need the BIOS to Configure non-boot device.

Reset Configuration Data

Normally, you leave this field Disabled. Select Enabled to reset Extended System Configuration Data (ESCD) when you exit Setup if you have installed a new add-on and the system reconfiguration has caused such a serious conflict that the operating system can not boot.

The choice: Enabled, Disabled .

Resource controlled by

The Award Plug and Play BIOS has the capacity to automatically configure all of the boot and Plug and Play compatible devices. However, this capability means absolutely nothing unless you are using a Plug and Play operating system such as Windows®95. If you set this field to “manual” choose specific resources by going into each of the sub menu that follows this field (a sub menu is preceded by a “➢”).

PCI/VGA Palette Snoop

Leave this field at *Disabled*. Choices are Enabled,

3.7 PC Health Status

CMOS Setup Utility – Copyright © 1984 – 2000 Award Software

PC Health Status Setup

Current CPU Temp.	24°C/75°F	Item Help
Current System Temp	16°C/60°F	
		Menu Level ➢
Current CPU-Fan Speed	5002 RPM	
Current SYS-Fan Speed	0 RPM	
Vcore	2.01V	
2.5V	2.51V	
3.3V	3.3V	
5V	5V	
12V	12V	

↑↓←→Move Enter: Select +/-/PU/PD: Value F10:Save ESC: Exit F1:General Help

F5:Previous Values F6:Fail-safe defaults F7:Optimized Defaults

Current CPU Temperature

This is the current temperature of the CPU.

Current System Temp

This is the Current temperature of the system.

Current CPU FAN Speed

The current CPU fan speed in RPMs.

Current SYS FAN Speed

The current SYS fan speed in RPMs.

CPU(V): The voltage level of the CPU(Vio/Vcore).

+2.5V, +3.3V, +5V, +12V: The voltage level of the switch power supply..

3.8 Frequency/Voltage Control

CMOS Setup Utility – Copyright © 1984-2000 Award Software
Frequency/Voltage Control

		Item Help
Auto Detect DIMM/PCI CLK	Enabled	----------
Spread Spectrum	Disabled	Menu Level ➢
CPU Host /PCI Clock	Default	
↑↓←→ Move Enter: Select +/-/PU/PD: Value F10:Save ESC: Exit F1:General Help F5:Previous Values F6:Fail-safe defaults F7:Optimized Defaults		

Auto Detect DIMM/PCI CLK
This item allows you to select Disabled,Enabled.the default setup is Enabled. When enabled the motherboard will automatically
disable the clock source for a DIMM socket which does not have a module in it. Same applies for PCI slots.

Spread Spectrum
This item allows you to select Disabled,Enabled.the default setup is Disabled,

CPU Host /PCI Clock
Allows the external clock to be modified
depending upon what FSB has been selected. Should not be used to clock proces-sor faster than it was designed for. The default is Default.

Defaults Menu

Selecting “Defaults” from the main menu shows you two options which are described below

Load Fail-Safe Defaults
When you press <Enter> on this item you get a confirmation dialog box with a message similar to:

Load Fail-Safe Defaults (Y/N) ? N

Pressing ‘Y’ loads the BIOS default values for the most stable, minimal-performance system operations.

Load Optimized Defaults
When you press <Enter> on this item you get a confirmation dialog box with a message similar to:

Load Optimized Defaults (Y/N) ? N

Pressing ‘Y’ loads the default values that are factory settings for optimal performance system operations.

3.9 Supervisor/User Password Setting

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

supervisor password : can enter and change the options of the setup menus.

user password : just can only enter but do not have the right to 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 password typed now will clear any 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 abort the selection and not enter a password.

To disable a password, just press <Enter> when you are prompted to enter the password. A message will confirm the password will be disabled. Once the password is disabled, the system will boot and you can enter Setup freely.

PASSWORD DISABLED.

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

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

You determine when the password is required within the BIOS Features Setup Menu and its Security option (see Section 3). If the Security option is set to “System”, the password will be required both at boot and at entry to Setup. If set to “Setup”, prompting only occurs when trying to enter Setup.

Exit Selecting

Save & Exit Setup

Pressing <Enter> on this item asks for confirmation:

Save to CMOS and EXIT (Y/N)? Y

Pressing "Y" stores the selections made in the menus in CMOS – a special section of memory that stays on after you turn your system off. The next time you boot your computer, the BIOS configures your system according to the Setup selections stored in CMOS. After saving the values the system is restarted again.

Exit Without Saving

Pressing <Enter> on this item asks for confirmation:

Quit without saving (Y/N)? Y

This allows you to exit Setup without storing in CMOS any change. The previous selections remain in effect. This exits the Setup utility and restarts your computer.