

The author assumes no responsibility for any errors or omissions that may appear in this document nor does the author make a commitment to update the information contained herein.

- Third-party brands and names are the property of their respective owners.
- Please do not remove any labels on motherboard, this may void the warranty of this motherboard.
- Due to rapid change in technology, some of the specifications might be out of date before publication of this booklet.



WARNING: Never run the processor without the heatsink properly and firmly attached. PERMANENT DAMAGE WILL RESULT!

Mise en garde : Ne faites jamais tourner le processeur sans que le dissipateur de chaleur soit fix correctement et fermement. UN DOMMAGE PERMANENT EN RÉSULTERA !

Achtung: Der Prozessor darf nur in Betrieb genommen werden, wenn der W rmeableiter ordnungsgem β und fest angebracht ist. DIES HAT EINEN PERMANENTEN SCHADEN ZUR FOLGE!

Advertencia: Nunca haga funcionar el procesador sin el disipador de calor instalado correcta y firmemente. ¡SE PRODUCIRÁ UN DAÑO PERMANENTE!

Aviso: Nunca execute o processador sem o dissipador de calor estar adequado e firmemente conectado. O RESULTADO SERÁ UM DANO PERMANENTE!

警告: 将散热板牢固地安装到处理器上之前,不要运行处理器。过热将永远损坏处理器!

警告: 將散熱器牢固地安裝到處理器上之前,不要運行處理器。過熱將永遠損壞處理器!

경고: 히트싱크를 제대로 또 단단히 부착시키지 않은 채 프로세서를 구동시키지 마십시오. 영구적 고장이 발생합니다!

警告: 永久的な損傷を防ぐため、ヒートシンクを正しくしっかりと取り付けるまでは、プロセ ッサを動作させないようにしてください。

Declaration of Conformity We, Manufacturer/Importer (full address)

G.B.T. Technology Träding GMbH Ausschlager Weg 41, 1F, 20537 Hamburg, Germany

declare that the product

(description of the apparatus, system, installation to which it refers)

Mother Board GA-6IWMT is in conformity with

(reference to the specification under which conformity is declared) in accordance with 89/336 EEC-EMC Directive

□ EN 55011	Limits and methods of measurement of radio disturbance characteristics of industrial, scientific and medical (ISM high frequency equipment	☐ EN 61000-3-2* ⊠ EN 60555-2	Disturbances in supply systems cause by household appliances and similar electrical equipment "Harmonics"	
EN 55013	Limits and methods of measurement of radio disturbance characteristics of broadcast receivers and associated equipment	EN 61000-3-3*	Disturbances in supply systems cause by household appliances and similar electrical equipment "Voltage fluctuations"	
EN 55014	Limits and methods of measurement of radio disturbance characteristics of household electrical appliances,	🛛 EN 50081-1	Generic emission standard Part 1: Residual commercial and light industry	
	portable tools and similar electrical apparatus	X EN 50082-1	Generic immunity standard Part 1: Residual commercial and light industry	
EN 55015	Limits and methods of measurement of radio disturbance characteristics of fluorescent lamps and luminaries	EN 55081-2	Generic emission standard Part 2: Industrial environment	
EN 55020	Immunity from radio interference of broadcast receivers and associated equipment	EN 55082-2	Generic emission standard Part 2: Industrial environment	
EN 55022	Limits and methods of measurement of radio disturbance characteristics of information technology equipment	ENV 55104	Immunity requirements for household appliances tools and similar apparatus	
 DIN VDE 0855 part 10 part 12 	Cabled distribution systems; Equipment for receiving and/or distribution from sound and television signals	EN50091-2	EMC requirements for uninterruptible power systems (UPS)	
🛛 CE marking		CE (EC conformity	r marking)	
The manufacturer also declares the conformity of above mentioned product with the actual required safety standards in accordance with LVD 73/23 EEC				
EN 60065	Safety requirements for mains operated electronic and related apparatus for household and similar general use	🗖 EN 60950		
EN 60335	Safety of household and similar electrical appliances	EN 50091-1		
		Manufacturer/Importer		
			Signature: Timmy Huang	
	(m.)	Date : December 31, 2002	Name: Timmy Huang	
	(Stamp)		Tinning Hutting	

Timmy Huang

DECLARATION OF CONFORMITY		
Per FCC Part 2 Section 2.1077(a)		
FC		
Responsible Party Name: G.B.T. INC. (U.S.A.)		
Address: 17358 Railroad Street		
City of Industry, CA 91748		
Phone/Fax No: (818) 854-9338/ (818) 854-9339		
hereby declares that the product		
Product Name: Motherboard		
Model Number: GA-6IWMT		
Conforms to the following specifications:		
FCC Part 15, Subpart B, Section 15.107(a) and Section 15.109(a), Class B Digital Device		
Supplementary Information:		
This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful and (2) this device must accept any inference received, including that may cause undesired operation.		
Representative Person's Name: <u>ERIC LU</u>		
Signature: <u>Eric Lu</u>		
Date: <u>December 31, 2002</u>		

GA-6IWMT(-C) Socket 370 Processor Motherboard

USER'S MANUAL

Socket 370 Processor Motherboard Rev. 1101 12ME-6IWMT-1101

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ltem Checklist

☑ The GA-6IWMT(-C) motherboard

- ☑ IDE cable x 1/ Floppy cable x 1
- ☑ CD for motherboard driver & utility
- GA-6IWMT(-C) user's manual

☑ I/O Shield *



Computer motherboards and expansion cards contain very delicate Integrated Circuit (IC) chips. To protect them against damage from static electricity, you should follow some precautions whenever you work on your computer.

- 1. Unplug your computer when working on the inside.
- 2. Use a grounded wrist strap before handling computer components. If you do not have one, touch both of your hands to a safely grounded object or to a metal object, such as the power supply case.
- Hold components by the edges and try not touch the IC chips, leads or connectors, or other components.
- 4. Place components on a grounded antistatic pad or on the bag that came with the components whenever the components are separated from the system.
- 5. Ensure that the ATX power supply is switched off before you plug in or remove the ATX power connector on the motherboard.

Installing the motherboard to the chassis...

If the motherboard has mounting holes, but they don't line up with the holes on the base and there are no slots to attach the spacers, do not become alarmed you can still attach the spacers to the mounting holes. Just cut the bottom portion of the spacers (the spacer may be a little hard to cut off, so be careful of your hands). In this way you can still attach the motherboard to the base without worrying about short circuits. Sometimes you may need to use the plastic springs to isolate the screw from the motherboard PCB surface, because the circuit wire may be near by the hole. Be careful, don't let the screw contact any printed circuit write or parts on the PCB that are near the fixing hole, otherwise it may damage the board or cause board malfunctioning.

* For GA-6IWMT only

Chapter 1 Introduction

Features Summary

Form Factor	• 19.0cm x 23.0cm Micro ATX size form factor, 4 layers PCB.
Motherboard	GA-6IWMT Series:
	GA-6IWMT / 6IWMT-C
СРИ	Socket 370 processor
	supports all new Pentium®III processors (FC-PGA & FC-PGA2
	package)
	supports Celeron processors in FC-PGA & FC-PGA2 package
	supports 66/100/133MHz system bus frequency
	2nd cache depend on CPU
Chipset	Intel 82810E HOST/AGP/SDRAM Controller
	• FW82801BA (ICH2)
Memory	2 168-pin DIMM sockets
	Supports PC-100 SDRAM
	Supports only 3.3V SDRAM DIMM
	Supports up to 512MB SDRAM (Max)
I/O Control	• W83627HF
Slots	3 PCI slot supports 33MHz & PCI 2.2 compliant
On-Board IDE	• 2 IDE bus master (DMA33/ATA66/ATA100) IDE ports for up to 4
	ATAPI devices
	Supports PIO mode3,4 (UDMA 33/ATA66/ATA100) IDE & ATAI
	CD-ROM
On-Board Peripherals	• 1 Floppy port supports 2 FDD with 360K, 720K, 1.2M, 1.44M
	and 2.88M bytes.
	 1 Parallel port supports Normal/EPP/ECP mode
	2 Serial port (COMA, COMB on board)
	1 VGA port
	• 4 USB ports (Rear USB x 2, Front USB x 2)
	• 1 IrDA connector for IR
	to be continued

to be continued.....

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Introduction

Hardware Monitor	are Monitor • CPU/System Fan Revolution detect	
	CPU temperature detect	
	System Voltage Detect	
On-Board Sound	AC97 CODEC	
	Line In/Line Out/Mic In/CD In/Game Port	
On-Board LAN*	Build in RTL8101L Chipset	
PS/2 Connector	PS/2 Keyboard interface and PS/2 Mouse interface	
BIOS	Licensed AWARD BIOS, 2M bit Flash ROM	
Additional Features	STR(Suspend-To-RAM)	
	AC Recovery	
	USB KB/Mouse wake up from S3~S5	
	 Supports @BIOS[™] 	
	Supports Easy Tune 4 [™]	

Please set the CPU host frequency in accordance with your processor's specifications. We don't recommend you to set the system bus frequency over the CPU's specification because these specific bus frequencies are not the standard specifications for CPU, chipset and most of the peripherals. Whether your system can run under these specific bus frequencies properly will depend on your hardware configurations, including CPU, Chipsets,SDRAM,Cards....etc.

* For GA-6IWMT only

English

CPU_FAN KB_MS LAN* USB FLOPPY COMA ATX POWWR Ř LPT SOCKET 370 GA-6IWMT VGA ... LINE_OUT 82810E W83627HF LINE_IN GAME F_AUDIO *** MIC_IN DIMM1 MODEM RTL8101L* BATTERY DE2 IDE1 PCI2 CODEC ICH2 PCI3 F_PANEL СОМВ BIOS CNR F_USB 1000 0000000 101 1010000000 WOL* T SYS_FAN PWR_LED

GA-6IWMT(-C) Motherboard Layout

* For GA-6IWMT only

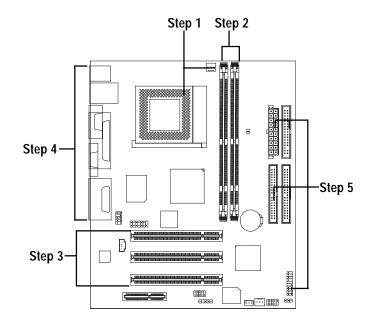
- 7 -

Introduction

Chapter 2 Hardware Installation Process

To set up your computer, you must complete the following steps:

- Step 1- Install the Central Processing Unit (CPU)
 - Step 2- Install memory modules
- Step 3- Install expansion cards
- Step 4- Connect ribbon cables, cabinet wires, and power supply



Congratulations! You have accomplished the hardware installation! Turn on the power supply or connect the power cable to the power outlet. Continue with the BIOS/software installation.

English

Step 1: Install the Central Processing Unit (CPU) Step 1-1: CPU Installation

For example: The newest Pentium III processor (FC-PGA2 package).



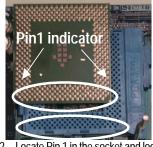
CPU Top View



1. Pull up the CPU socket level and up to 90-degree angle.



CPU Bottom View



2. Locate Pin 1 in the socket and look for a (golden) cut edge on the CPU upper corner. Then insert the CPU into the socket.

- Flease make sure the CPU type is supported by the motherboard.
- If you do not match the CPU socket Pin 1 and CPU cut edge well, it will cause improper installation. Please change the insert orientation.

Step 1-2: CPU Heat Sink Installation



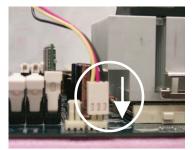
1. Press down the CPU socket lever and finish CPU installation.



 Fasten the heatsink supporting-base onto the CPU socket on the mainboard.



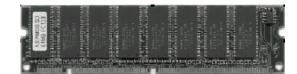
2. Use qualified fan approved by Intel.



- 4. Make sure the CPU fan is plugged to the CPU fan connector, than install complete.
- Please use Intel approved cooling fan.
- ●[∞] We recommend you to apply the thermal paste to provide better heat conduction between your CPU and heatsink.
- ●[∞] Make sure the CPU fan power cable is plugged in to the CPU fan connector, this completes the installation.
- ●[∞] Please refer to CPU heat sink user's manual for more detail installation procedure.

Step 2: Install memory modules

The motherboard has 2 dual in-line memory module (DIMM) sockets support 4 banks. The BIOS will automatically detects memory type and size. To install the memory module, just push it vertically into the DIMM Slot .The DIMM module can only fit in one direction due to the two notch. Memory size can vary between sockets.



SDRAM

1. The DIMM slot has two notch, so the DIMM memory module can only fit in one direction.

- 2. Insert the DIMM memory module vertically into the DIMM slot. Then push it down.
- Close the plastic clip at both edges of the DIMM slots to lock the DIMM module. Reverse the installation steps when you wish to remove the DIMM module.
- When STR/DIMM LED is ON, do not install/remove SDRAM from socket.
- Please note that the DIMM module can only fit in one direction due to the two notches. Wrong orientation will cause improper installation. Please change the insert orientation.

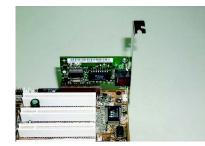
Step 3: Install expansion cards

- 1. Read the related expansion card's instruction document before install the expansion card into the computer.
- 2. Remove your computer's chassis cover, necessary screws and slot bracket from the computer.
- 3. Press the expansion card firmly into expansion slot in motherboard.
- 4. Be sure the metal contacts on the card are indeed seated in the slot.
- 5. Replace the screw to secure the slot bracket of the expansion card.
- 6. Replace your computer's chassis cover.
- 7. Power on the computer, if necessary, setup BIOS utility of expansion card from BIOS.
- 8. Install related driver from the operating system.



Issues To Beware Of When Installing CNR

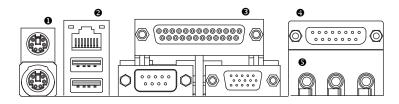
Please use standard CNR card like the one in order to avoid mechanical problem.



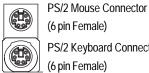
Standard CNR Card

Step 4: Connect ribbon cables, cabinet wires, and power supply

Step 4-1: I/O Back Panel Introduction



PS/2 Keyboard and PS/2 Mouse Connector

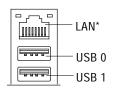


(6 pin Female)

PS/2 Keyboard Connector (6 pin Female)

≻This connector supports standard PS/2 keyboard and PS/2 mouse.

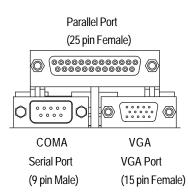
O USB & LAN Connector



≻Before you connect your device(s) into USB connector(s), please make sure your device(s) such as USB keyboard, mouse, scanner, zip, speaker..etc. Have a standard USB interface. Also make sure your OS supports USB controller. If your OS does not support USB controller, please contact OS vendor for possible patch or driver upgrade. For more information please contact your OS or device(s) vendors.

* For GA-6IWMT Only

Parallel Port , Serial Port and VGA Port (LPT/COMA/VGA)



This connector supports 1 standard COM port ,1 Parallel port and 1 VGA port. Device like printer can be connected to Parallel port; mouse and modem etc can be connected to Serial ports.

Game /MIDI Ports

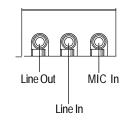
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Joystick/ MIDI (15 pin Female)

and other relate audio devices.

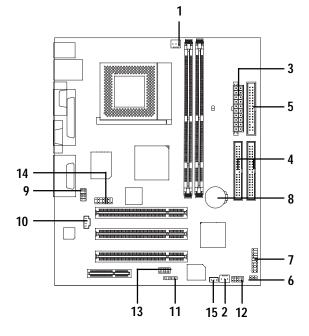
≻This connector supports joystick, MIDI keyboard

Audio Connectors



After install onboard audio driver, you may connect speaker to Line Out jack, micro phone to MIC In jack. Device like CD-ROM, walkman etc can be connected to Line-In jack.

Step 4-2: Connectors Introduction



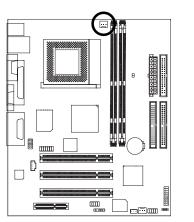
1) CPU_FAN	9) F_AUDIO	
2) SYS_FAN	10) CD_IN	
3) ATX	11) IR	
4) IDE1/IDE2	12) F_USB	
5) FDD	13) COMB	
6) PWR_LED	14) MODEM	
7) F_PANEL	15) WOL*	
8) BATTERY		

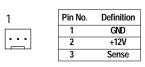
* For GA-6IWMT Only

Hardware Installation Process

1) CPU_FAN (CPU FAN Connector)

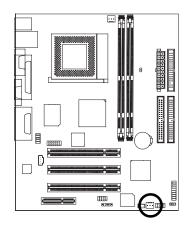
Please note, a proper installation of the CPU cooler is essential to prevent the CPU from running under abnormal condition or damaged by overheating. The CPU fan connector supports Max. current up to 600 mA.

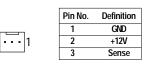




2) SYS_FAN (System FAN Connector)

This connector allows you to link with the cooling fan on the system case to lower the system temperature.



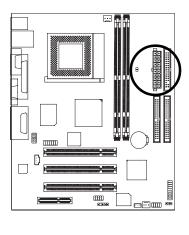


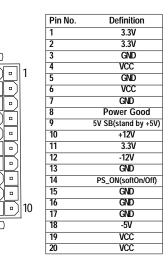
3) ATX_POWER (ATX Power)

AC power cord should only be connected to your power supply unit after ATX power cable and other related devices are firmly connected to the mainboard.

11

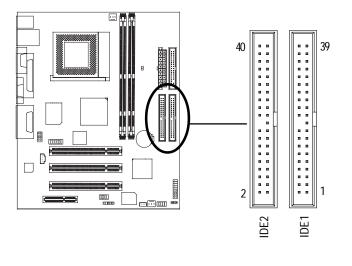
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4) IDE1/ IDE2(IDE1/IDE2 Connector)

Please connect first harddisk to IDE1 and connect CDROM to IDE2. The red stripe of the ribbon cable must be the same side with the Pin1.



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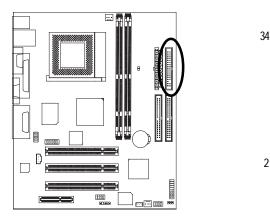
Hardware Installation Process

5) FDD (Floppy Connector)

Please connect the floppy drive ribbon cables to FDD. It supports 360K,720K,1.2M,1.44M and 2.88Mbytes floppy disk types. The red stripe of the ribbon cable must be the same side with the Pin1.

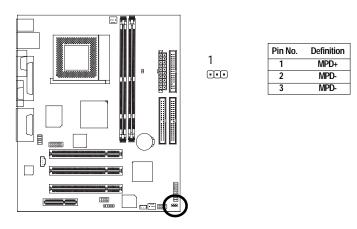
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1



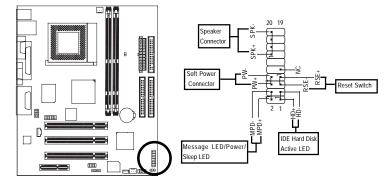
6) PWR_LED

PWR_LED is connect with the system power indicator to indicate whether the system is on/off. It will blink when the system enters suspend mode. If you use dual color LED, power LED will turn to another color.



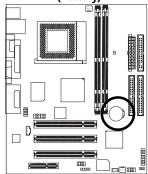
7) F_PANEL (2x10 pins connector)

Please connect the power LED, PC peaker, reset switch and power switch etc of your chassis front panel to the F_PANEL connector according to the pin assignment above.



HD (IDE Hard Disk Active LED)	Pin 1: LED anode(+)
(Blue)	Pin 2: LED cathode(-)
SPK (Speaker Connector)	Pin 1: VCC(+)
(Amber)	Pin 2- Pin 3: NC
	Pin 4: Data(-)
RES (Reset Switch)	Open: Normal Operation
(Green)	Close: Reset Hardware System
PW (Soft Power Connector)	Open: Normal Operation
(Red)	Close: Power On/Off
MSG(Message LED/Power/	Pin 1: LED anode(+)
Sleep LED)(Yellow)	Pin 2: LED cathode(-)
NC(Purple)	NC

8) BATTERY (Battery)



If you want to erase CMOS ...

1. Turn OFF the computer and unplug the power cord. manufacturer's instructions.

2.Remove the battery, wait for 30 second.

3.Re-install the battery.

4. Plug the power cord and turn ON the computer.

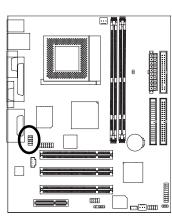


CAUTION

- Danger of explosion if battery is incorrectly replaced.
- Replace only with the same or equivalent type recommended by the manufacturer.
- Dispose of used batteries according to the

9) F_AUDIO (F_AUDIO Connector)

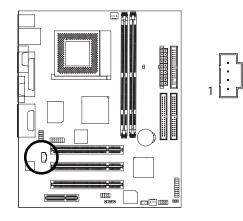
If you want to use Front Audio connector, you must remove 5-6, 9-10 Jumper. In order to utilize the front audio header, your chassis must have front audio connector. Also please make sure the pin assigment on the cable is the same as the pin assigment on the MB header. To find out if the chassis you are buying support front audio connector, please contact your dealer.



Pin No.	Definition
1	MIC
2	GND
3	REF
4	POWER
5	FrontAudio(R)
6	RearAudio(R)
7	Reserved
8	No Pin
9	FrontAudio (L)
10	RearAudio(L)

10) CD_IN (CD IN, Blank)

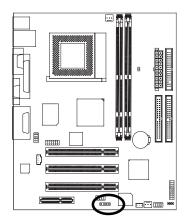
Connect CD-ROM or DVD-ROM audio out to the connector.



Pin No.	Definition
1	CD-L
2	GND
3	GND
4	CD_R

11)IR

Be careful with the polarity of the IR connectorwhile you connect the IR. Please contact you nearest dealer for optional IR device.



 Pin No.
 Definition

 1
 VCC(+5V)

 2
 NC

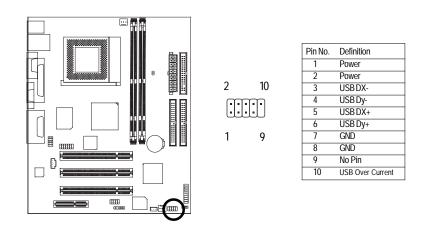
 3
 IR Data Input

 4
 GND

 5
 IR DAta Output

12)F_ USB(Front USB Connector, Yellow)

Be careful with the polarity of the front USB connector. Check the pin assignment while you connect the front USB cable. Please contact your nearest dealer for optional front USB cable.

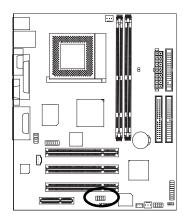


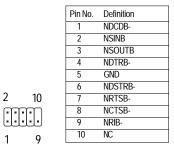
13) COM B(COM B Connector)

Be careful with the polarity of the COMB connector. Check the pin assignment while you connect the COMB cable. Please contact your nearest dealer for optional COMB cable.

2

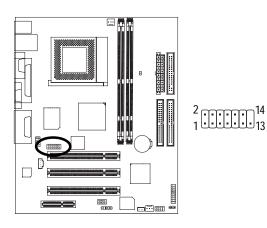
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14) MODEM

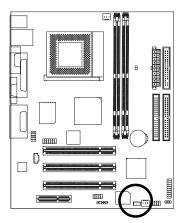
Please contact your nearest dealer for optional Modem card.



Pin No.	Definition
1	GND
2	VDD33
3	AC OUT
4	VCC
5	ACBCK
6	+12V
7	ACDIN
8	VAUX33
9	AC DOUT
10	NC
11	ACSYNC
12	NC
13	AC RSTB
14	No pin

15)WOL (Wake On Lan) *

This connector allows the remove servers to manage the system that installed this mainboard via your network adapter which also supports WOL.



	Pin No.	Definition
11	1	+5V SB
	2	GND
	3	Signal

* For GA-6IWMT Only

Hardware Installation Process

Chapter 3 BIOS Setup

BIOS Setup is an overview of the BIOS Setup Program. The program that allows users to modify the basic system configuration. This type of information is stored in battery-backed CMOS RAM so that it retains the Setup information when the power is turned off.

ENTERINGSETUP

Power ON the computer and press immediately will allow you to enter Setup. If the message disappears before you respond and you still wish to enter Setup, restart the system to try again by turning it OFF then ON or pressing the "RESET" bottom on the system case. You may also restart by simultaneously press <Ctrl> - <Alt>- keys.

CONTROLKEYS

< ^ >	Move to previous item
<↓>	Move to next item
< ← >	Move to the item in the left hand
< > >	Move to the item in the right hand
<esc></esc>	Main Menu - Quit and not save changes into CMOS Status Page Setup Menu and
	Option Page Setup Menu - Exit current page and return to Main Menu
<+/PgUp>	Increase the numeric value or make changes
<-/PgDn>	Decrease the numeric value or make changes
<f1></f1>	General help, only for Status Page Setup Menu and Option Page Setup Menu
<f2></f2>	Item help
<f3></f3>	Reserved
<f4></f4>	Reserved
<f5></f5>	Restore the previous CMOS value from CMOS, only for Option Page Setup Menu
<f6></f6>	Load the default CMOS value from BIOS default table, only for Option Page Setup
	Menu
<f7></f7>	Load the Setup Defaults
<f8></f8>	Reserved
<f9></f9>	Reserved
<f10></f10>	Save all the CMOS changes, only for Main Menu

GETTINGHELP

Main Menu

The on-line description of the highlighted setup function is displayed at the bottom of the screen.

Status Page Setup Menu / Option Page Setup Menu

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>.

The Main Menu (For example: BIOS Ver. :F2)

Once you enter AWARD BIOS CMOS Setup Utility, the Main Menu (Figure 1) will appear on the screen. The Main Menu allows you to select from eight setup functions and two exit choices. Use arrow keys to select among the items and press <Enter> to accept or enter the sub-menu.

Civics Setup Utility-Copyright (C) 1904-2005 Award Software		
► Standard CMOS Features	► Frequency/Voltage Control	
Advanced BIOS Features	Load Fail-Safe Defaults	
Advanced Chipset Features	Load Optimized Defaults	
▶ Integrated Peripherals	Set Supervisor Password	
▶ Power Management Setup	Set User Password	
▶ PnP/PCI Configurations	Save & Exit Setup	
► PC Health Status	Exit Without Saving	
ESC:Quit	$\uparrow \downarrow \rightarrow \leftarrow$:Select Itect	
F8:Q-Flash	F10:Save & Exit Setup	
Time, Date, Hard Disk Type		

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Figure 1: Main Menu

• Standard CMOS Features

This setup page includes all the items in standard compatible BIOS.

• Advanced BIOS Features

This setup page includes all the items of Award special enhanced features.

• Advanced Chipset Features

This setup page includes all the items of chipset special features.

Iı	ntegrated Peripherals
TI	his setup page includes all onboard peripherals.
P	ower Management Setup
TI	his setup page includes all the items of Green function features.
P	nP/PCI Configurations
TI	his setup page includes all the configurations of PCI & PnP ISA resources.
P	C Health Status
TI	his setup page is the System auto detect Temperature, voltage, fan, speed.
F	'requency/Voltage Control
TI	his setup page is control CPU's clock and frequency ratio.
L	oad Fail-Safe Defaults
Fa	ail-Safe Defaults indicates the value of the system parameters which the system would
b	e in safe configuration.
L	oad Optimized Defaults
0	ptimized Defaults indicates the value of the system parameters which the system would
b	e in best performance configuration.
S	et Supervisor password
С	hange, set, or disable password. It allows you to limit access to the system and Setup,
01	r just to Setup.
S	et User password
\sim	hange, set or disable password. It allows you to limit access to the system

Change, set, or disable password. It allows you to limit access to the system.

Save & Exit Setup

Save CMOS value settings to CMOS and exit setup.

Exit Without Saving

Abandon all CMOS value changes and exit setup.

Standard CMOS Features

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Standa	rd CMOS Features	
Date (mm:dd:yy)	Thu, Aug 21 2003	Item Help
Time (hh:mm:ss)	22:31:24	Menu Level 🕨
► IDE Primary Master	[Press Enter None]	Change the day,
► IDE Primary Slave	[Press Enter None]	month,year
► IDE Secondary Master	[Press Enter None]	<week></week>
► IDE Secondary Slave	[Press Enter None]	Sun. to Sat.
Drive A	[1.44M, 3.5"]	<month></month>
Drive B	[None]	Jan. to Dec.
Floppy 3 Mode Support	[Disabled]	<day></day>
		1 to 31(or maximun
Halt On	[All, But Keyboard]	allowed in the month.)
Base Memory	640K	<year></year>
Extended Memory	126M	1999 to 2098
Total Memory	127M	
↑↓→←: Move Enter:Select +/-/PU/PD:Value F10:Save ESC:Exit F1:General Help		
F5:Previous Values F6:Fail-Sa	fe Defaults F7:Optimized Defaults	6

Figure 2: Standard CMOS Features

T Date

- Day The day, from 1 to 31 (or the maximum allowed in the month)
- → Year The year, from 1990 through 2099

☞Time

The times format in <hour> <minute> <second>. The time is calculated base on the 24-hour military-time clock. For example, 1 p.m. is 13:00:00.

Trimary Master, Slave / Secondary Master, Slave

The category identifies the types of hard disk from drive C to F that has been installed in the computer. There are two types: auto type, and manual type. Manual type is user-definable; Auto type which will automatically detect HDD type.

Note that the specifications of your drive must match with the drive table. The hard disk will not work properly if you enter improper information for this category.

If you select User Type, related information will be asked to enter to the following items. Enter the information directly from the keyboard and press <Enter>. Such information should be provided in the documentation form your hard disk vendor or the system manufacturer.

► CYLS.	Number of cylinders
► HEADS	number of heads
▶ PRECOMP	write precomp
► LANDZONE	Landing zone
➡ SECTORS	number of sectors
PRECOMP ► LANDZONE	write precomp Landing zone

If a hard disk has not been installed select NONE and press <Enter>.

Floppy Drive A / Drive B

The category identifies the types of floppy disk drive A or drive B that has been installed in the computer.

► None	No floppy drive installed
▶ 360K, 5.25 ".	5.25 inch PC-type standard drive; 360K byte capacity.
▶1.2M, 5.25 ".	5.25 inch AT-type high-density drive; 1.2M byte capacity
	(3.5 inch when 3 Mode is Enabled).
₱ 720K, 3.5 ".	3.5 inch double-sided drive; 720K byte capacity
▶ 1.44M, 3.5 ".	3.5 inch double-sided drive; 1.44M byte capacity.
▶ 2.88M, 3.5 ".	3.5 inch double-sided drive; 2.88M byte capacity.

C Floppy 3 Mode Support (for Japan Area)

➡ Disabled	Normal Floppy Drive. (Default value)
► Drive A	Drive A is 3 mode Floppy Drive.

- Drive B Drive B is 3 mode Floppy Drive.
- Both
 Drive A & B are 3 mode Floppy Drives.

ਾHalt on

The category determines whether the computer will stop if an error is detected during power up.

NO Errors	The system boot will not stop for any error that may be detected and you will be prompted.
► All Errors	Whenever the BIOS detects a non-fatal error the system will be stopped.
➡ All, But Keyboar	The system boot will not stop for a keyboard error; it will stop for
	all other errors. (Default value)
► All, But Diskette	The system boot will not stop for a disk error; it will stop for all
	other errors.
➡ All, But Disk/Key	The system boot will not stop for a keyboard or disk error; it will
	stop for all other errors.

∽ Memory

The category is display-only which is determined by POST (Power On Self Test) of the BIOS.

Base Memory

The POST of the BIOS will determine the amount of base (or conventional) memory installed in the system.

The value of the base memory is typically 512 K for systems with 512 K memory installed on the motherboard, or 640 K for systems with 640 K or more memory installed on the motherboard.

ExtendedMemory

The BIOS determines how much extended memory is present during the POST. This is the amount of memory located above 1 MB in the CPU's memory address map.

Advanced BIOS Features

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Advanced BIOS Features

Auvance		
BIOS Flash Protection	[Auto]	Item Help
#Processor Serial Number	[Disabled]	Menu Level 🕨
First Boot Device	[Floppy]	[Auto]
Second Boot Device	[HDD-0]	Allows BIOS to updte
Third Boot Device	[CDROM]	flash data during POST.
Boot Up Floppy Seek	[Disabled]	It Still Prevents other
Boot Up Num-Lock	[On]	unauthorized utilities to update flash
Password Check	[Setup]	[Enable]
Interrupt Mode	[APIC]	Always prevent BIOS
HDD S.M.A.R.T. Capability	[Disabled]	and unauthorized
Delay For HDD (Secs)	[0]	utilities to update flash
$\uparrow \downarrow \rightarrow \leftarrow$: Move Enter:Select +/-/PU/PD:	Value F10:Save ESC:Exit F1:	General Help
F5:Previous Values F6:Fail-Safe De	efaults F7:Optimized Defaults	

Figure 3: Advanced BIOS Features

#System will detect automatically and show up when you install the Pentium R !!! processor.

Protection

This field lets you determine the states that flash BIOS.

► Auto	BIOS enables flash write access automatically when updating BIOS data/
	DMI/ESCD. (Default Value)
• Enabled	During POST_DMI/ESCD would not be undated. But flash tools can undate

Enabled During POST, DMI/ESCD would not be updated. But flash tools can update BIOS always.

CProcessor Serial Number

This item will show up when you install the PentiumR !!! processor.

- ► Enabled PentiumR !!! Processor Number Feature. (Default value)
- ➡ Disabled Disabled this function.

∽ First / Second / Third Boot device

➡ Floppy	Select your boot device priority by Floppy.
▶ LS120	Select your boot device priority by LS120.
► HDD-0~3	Select your boot device priority by HDD-0~3.
➡ SCSI	Select your boot device priority by SCSI.
► CDROM	Select your boot device priority by CDROM.
➡ ZIP	Select your boot device priority by ZIP.
➡ USB-FDD	Select your boot device priority by USB-FDD.
► USB-ZIP	Select your boot device priority by USB-ZIP.
► USB-CDROM	Select your boot device priority by USB-CDROM.
► USB-HDD	Select your boot device priority by USB-HDD.
► LAN	Select your boot device priority by LAN.
➡ Disabled	Select your boot device priority by Disabled

∽ Boot Up Floppy Seek

During POST, BIOS will determine the floppy disk drive installed is 40 or 80 tracks. 360 K type is 40 tracks 720 K, 1.2 M and 1.44 M are all 80 tracks.

➡ Enabled	BIOS searches for floppy disk drive to determine it is 40 or 80 tracks. Note
	that BIOS can not tell from 720 K, 1.2 M or 1.44 M drive type as they are
	all 80tracks.

Disabled BIOS will not search for the type of floppy disk drive by track number. Note that there will not be any warning message if the drive installed is 360 K. (Default value)

C Boot UpNumLock

➡ On	Keypad is number keys. (Default value)
▶ Off	Keypad is arrow keys.

∽ Password Check

This category allows you to limit access to the system and Setup, or just to Setup.

➡ System	The system can not boot and can not access to Setup page 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. (Default value)

APIC Through IOAPIC generate more IRQ for system use.(Default value)
 PIC Use AT stantard IRQ controlles to generate IRQ.

When you already have IOAPIC enable system and want to upgrade the system please note, since running an IOAPIC enabled OS (like Windows NT, Windows 2000, Windows XP...) system with none IOAPIC HW support will cause the system to hang. Following are some situations users might run into: 1.An IOAPIC enabled OS and change the BIOS setting from IOAPIC to PIC, this will cause your system to hang.

2.An IOAPIC enabled OS and change a processor from IOAPIC supported to none IOAPIC support (like VIA C3, Cyrix[®] MII, Cyrix[®] III), and some Intel Pentium[®] *!!!*, Celeron[™] Processor(certain lot number), this will disable the IOAPIC in the BIOS and cause the system to hang.

When above situation happened you will have to reinstall the OS.

∽HDDS.M.A.R.T. Capability

➡ Enabled	Enabled HDD S.M.A.R.T. Capability.
➡ Disabled	Disabled HDD S.M.A.R.T. Capability. (Default value)

C-Delay For HDD (Secs)

▶ 0~15 Set Delay Time For HDD.

Advanced Chipset Features

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Advanced Chipset Features		
SDRAM CAS Latency Time	[Auto]	Item Help
SDRAM Cycle Time Trac/Trc	[Auto]	Menu Level
SDRAM RAS-to-CAS Delay	[Auto]	
SDRAM RAS Precharge Time	[Auto]	
CPU Latency Timer	[Disabled]	
Delay Transaction	[Enable]	
AGP Graphics Aperture Size	[64MB]	
SDRAM Buffer Strength	[Auto]	
↑↓→←: Move Enter:Select +/-/PU/PD:Value F10:Save ESC:Exit F1:General Help		
F5:Previous Values F6:Fail-Safe De		
Figure A: Ac	Ivanced Chinset Features	

Figure 4: Advanced Chipset Features

SDRAM CAS latency Time

₩3	For Slower	SUBAW	ымм	module
PP 3	I UI SIUWEI	JUKAW		mouule.

- ▶ 2 For Fastest SDRAM DIMM module.
- → Auto Set SDRAM CAS latency to Auto.(Default value)

∽SDRAM Cycle Time Trac/Trc

- ➡ 5/7 Set SDRAM Cycle Time Trac/Trc to 5/7SCLKs.
- ➡ 6/8 Set SDRAM Cycle Time Trac/Trc to 6/8SCLKs.
- ➤ Auto Set SDRAM Cycle Time Trac/Trc to Auto.(Default value)

SDRAM RAS- to-CAS Delay

- ➡ 3 Set SDRAM RAS-to-CAS delay 3 SCLKs.
- ▶ 2 Set SDRAM RAS-to-CAS delay 2 SCLKs.
- ➡ Auto Set SDRAM RAS-to-CAS delay to Auto.(Default value)

SDRAM RAS Precharge Time

- ➡ 3 Set SDRAM RAS Precharge Time to 3.
- ▶ 2 Set SDRAM RAS Precharge Time to 2.
- → Auto Set SDRAM RAS Precharge to Auto.(Default value)

🗢 CPU Latency Timer

➡ Disanled	Disabled CPU Latency Timer. (Default value)
➡ Enabled	Enabled CPU Latency Timer.

Transaction

➡ Enabled	Enabled PCI Delay Transaction. (Default Value)
➡ Disabled	Disabled PCI Delay Transaction.

FAGPGraphics Aperture Size (MB)

▶ 64	Set AGP Graphics Aperture Size to 64 MB. (Default Value)
➡ Disabled	Disable this function.

∽ SDRAM Buffer Strength

- ➡ 4X Set SDRAM Buffer Strength to 4X.
- ➡ 3X Set SDRAM Buffer Strength to 3X.
- ➡ 2X Set SDRAM Buffer Strength to 2X.
- ► 1X Set SDRAM Buffer Strength to 1X.

Integrated Peripherals

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Integrated Peripherals

IDE1 Conductor Cable	[Auto]	Item Help
IDE2 Conductor Cable	[Auto]	Menu Level 🕨
On-Chip Primary PCI IDE	[Enabled]	[Auto]
On-Chip Secondary PCI IDE	[Enabled]	Auto-detect IDE cable
IDE Primary Master PIO	[Auto]	type
IDE Primary Slave PIO	[Auto]	[ATA 66/100]
IDE Secondary Master PIO	[Auto]	Set Conductor cable
IDE Secondary Slave PIO	[Auto]	to ATA66/100(80
IDE Primary Master UDMA	[Auto]	PINS) [ATA 33]
IDE Primary Slave UDMA	[Auto]	Set Conductor cable
IDE Secondary Master UDMA	[Auto]	to ATA33(40PINS)
IDE Secondary Slave UDMA	[Auto]	
USB Controller	[Enabled]	
USB Keyboard Support	[Disabled]	
USB Mouse Support	[Disabled]	
Init Display First	[PCI Slot]	
AC97 Audio	[Auto]	
AC97 Modem	[Auto]	
Onboard LAN Device	[Enabled]	
Onboard LAN Boot ROM	[Disabled]	
Onboard Modem Function	[Disabled]	
Mouse power on	[Disabled]	
Keyboard power on	[Disabled]	
	Enter	
Onboard FDC Controller	[Enabled]	
Onboard Serial Port 1	[3F8/IRQ4]	
Onboard Serial Port 2	[2F8/IRQ3]	
UART Mode Select	[Normal]	
×RxD,TxD Active	Hi,Lo	
×IR Transaction Delay	Enabled	
× UR2 Duplex Mode	Half	
×Use IR Pins	IR-Rx2Tx2	

GA-6IWMT(-C) Motherboard

Onboard Parallel Port	[378/IRQ7]	
Parallel Port Mode	[SPP]	
*EPP Mode Select	EPP1.7	
*ECP Mode Use DMA	3	
AC BACK Function	[Soft-Off]	
Game Port Address	[201]	
Midi Port Address	[330]	
Midi Port IRQ	[10]	
$\uparrow \downarrow \rightarrow \leftarrow$: Move Enter:Select +/-/PU/PD	2:Value F10:Save ESC:Exit F1:Genera	l Help

F5:Previous Values F6:Fail-Safe Defaults F7:Optimized Defaults

Figure 5: Integrated Peripherals

∽ IDE 1 Conductor Cable

► Auto	Set IDE 1 Conductor cable to auto.(Default value)
➡ ATA66/100	Set IDE 1 Conductor cable to ATA66/100.
► ATA33	IDE 1 Conductor cable to ATA33.

∽ IDE 2 Conductor Cable

► Auto	Set IDE 2 Conductor cable to auto.(Default value)
➡ ATA66/100	Set IDE 2 Conductor cable to ATA66/100.
► ATA33	IDE 2 Conductor cable to ATA33.

∽On-Chip Primary PCI IDE

➡ Enabled	Enable onboard 1st channel IDE port. (Default value)
➡ Disabled	Disable onboard 1st channel IDE port.

∽On-Chip Secondary PCI IDE

- ➡ Enabled Enable onboard 2nd channel IDE port. (Default value)
- Disable Disable onboard 2nd channel IDE port.

C-IDE Primary Master PIO (for onboard IDE 1st channel)

► Auto	BIOS will automatically detect the IDE HDD Accessing mode.
	(Default value)

Mode0~4 Manually set the IDE Accessing mode.

CriDE Primary Slave PIO (for onboard IDE 1st channel)

► Auto	BIOS will automatically detect the IDE HDD Accessing mode.
	(Default value)
Mode0~4	Manually set the IDE Accessing mode.

CTIDE Secondary Master PIO (for onboard IDE 2nd channel)

► Auto	\ensuremath{BIOS} will automatically detect the IDE HDD Accessing mode.
	(Default value)
Mode0~4	Manually set the IDE Accessing mode.

CIDE Primary Master UDMA

► Auto	BIOS will automatically detect the IDE HDD Accessing mode.
	(Default value)
➡ Disabled	Disable UDMA function.

C-IDE Primary Slave UDMA

► Auto	BIOS will automatically detect the IDE HDD Accessing mode.
	(Default value)
➡ Disabled	Disable UDMA function.

CTIDE Secondary Master UDMA

► Auto	BIOS will automatically detect the IDE HDD Accessing mode. (Default value)
➡ Disabled	Disable UDMA function.

C-IDE Secondary Slave UDMA

► Auto	BIOS will automatically detect the IDE HDD Accessing mode. (Default value)
➡ Disabled	Disable UDMA function.

Controller

- ➡ Enabled Enabled USB Controller. (Default value)
- Disabled Disabled USB Controller.

CUSB Keyboard Support

➡ Enabled	Enabled USB Keyboard Support.
➡ Disabled	Disabled USB Keyboard Support. (Default value)

CUSB Mouse Support

➡ Enabled	Enabled USB Mouse Support.
➡ Disabled	Disabled USB Mouse Support. (Default value)

CInit Display First

►PCI Slot	Set Init Display First to PCI Slot.(Default value)
► Onboard	Set Init Display First to Onboard VGA.

∽AC97 Audio

➡ Auto	BIOS will automatically detect onboard AC97 Audio or Creative CT5880
	audio. (Default value)
Disabled	Disabled AC97 Audio.

∽AC97 Modem

► Auto	Bios will automatically detect onboard AC97 Modem. (Default value)
➡ Disabled	Disabled AC97 Modem.

∽ Onboard LANDevice

- ► Enabled Enable Onboard LAN function. (Default value)
- ➡ Disabled Disable this function.

CONBOARD LAN BOOT ROM

This function decide whether to invoke the boot ROM of the onboard LAN chip.

- ➡ Disabled Disable this function. (Default Value)
- ► Enabled Enable this function.

COnboard Modem Function

- ► Enabled Enable integrated modem device.
- Disabled Disable integrated modem device.(Default value)

CMouse Power On

- Disabled Disabled this function. (Default value)
- Double Left Set mouse double click left botton to power on system.
- Double Right Set mouse double click right botton to power on system.

BIOS Setup

CKeyboard Power On

This feature allows you to set the method for powering-on the system.

- → Password Allows you to set up to 5 alphanumeric characters to power-on the system.
- Any Key allows you to touch the keyboard to power on the system.
- ➡ Disabled Disabled this function. (Default value)
- → Keyboard 98 If your keyboard have "POWER Key" button, you can press the key to power on your system.

**** KB Power ON Password**

➤ Enter Input password (from 1 to 5 characters) and press Enter to set the Key board Power On Password.

Conboard FDC Controller

- ➡ Enabled Activate onboard floppy controller.(Default value)
- Disabled Disable floppy function.

Conboard Serial Port 1

- → Auto BIOS will automatically setup the port 1 address.
- → 3F8/IRQ4 Enable onboard Serial port 1 and address is 3F8. (Default value)
- ▶ 2F8/IRQ3 Enable onboard Serial port 1 and address is 2F8.
- ➡ 3E8/IRQ4 Enable onboard Serial port 1 and address is 3E8.
- ▶ 2E8/IRQ3 Enable onboard Serial port 1 and address is 2E8.
- ➡ Disabled Disable onboard Serial port 1.

Conboard Serial Port 2

- ➤ Auto BIOS will automatically setup the port 2 address.
- ➡ 3F8/IRQ4 Enable onboard Serial port 2 and address is 3F8.
- ▶ 2F8/IRQ3 Enable onboard Serial port 2 and address is 2F8. (Default Value)
- ➡ 3E8/IRQ4 Enable onboard Serial port 2 and address is 3E8.
- ▶ 2E8/IRQ3 Enable onboard Serial port 2 and address is 2E8.
- Disabled Disable onboard Serial port 2.

CUART Mode Select

(This item allows you to determine which Infra Red(IR) function of Onboard I/O chip)

- ► ASKIR Set onboard I/O chip UART to ASKIR Mode.
- ▶ IrDA Set onboard I/O chip UART to IrDA Mode.
- SCR Set onboard I/O chip UART to SCR Mode.
- ➤ Normal Set onboard I/O chip UART to Normal Mode. (Default Value)

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English

∽ RxD, TxDActive

→ Hi, Hi	Set RxD,TxD Active to Hi, Hi.
₩Hi, Lo	Set RxD,TxD Active to Hi, Lo. (Default Value)
➡Lo, Hi	Set RxD,TxD Active to Lo, Hi.
₩Lo, Lo	Set RxD,TxD Active to Lo, Lo.

∽ IR Transmission Delay

➡ Enabled	Enabled IR Transmission delay. (Default Value)
➡ Disabled	Enabled IR Transmission delay.

∽ UR2Duplex Mode

► Full	IR Function Duplex Full.
Half	IR Function Duplex Half. (Default Value)

∽ Use IR Pins

► IR-Rx2Tx2	Enable On Board LPT port and address is 378.(Default Value)
➡ RxD2,TxD2	Enable On Board LPT port and address is 278.

∽ Onboard Parallel port

→ 378/IRQ7 Enable onboard LPT	port and address is 378/IRQ7. (Default Value)
-------------------------------	---------------------------------	----------------

- ▶ 278/IRQ5 Enable onboard LPT port and address is 278/IRQ5.
- ⇒ 3BC/IRQ7 Enable onboard LPT port and address is 3BC/IRQ7.
- ➡ Disabled Disable onboard LPT port.

🗢 Onboard Parallel Mode

➡ Normal	Using Parallel port as Normal.
➡ EPP	Using Parallel port as Enhanced Parallel Port.
➡ ECP	Using Parallel port as Extended Capabilities Port.
➡ ECP/EPP	Using Parallel port as ECP & EPP mode.
➡ SPP	Using Parallel port as SPP mode. (Default Value)

🗢 Parallel Port EPP Type

- ➡ EPP 1.9 EPP Version is 1.9. (Default Value)
- ► EPP 1.7 EPP Version is 1.7.

${\tt \bigcirc ECPMode UseDMA}$

- ➡ 3 ECP Mode Use DMA 3 (Default Value)
- ▶ 1 ECP Mode Use DMA 1

C AC Back Function

➡ Memory	System power on depends on the status before AC lost.
Soft-Off	Always in Off state when AC back. (Default value)
▶ Full-On	Always power on the system when AC back.

🖙 Game Port Address

➡ Disabled	Disabled this function.
₩201	Set Game Port Address to 201.(Default Value)
₩209	Set Game Port Address to 209.

🗢 Midi Port Address

➡ Disabled	Disabled this function.
₩330	Set Game Port Address to 330.(Default Value)
₩300	Set Game Port Address to 300.
₩290	Set Game Port Address to 290.

🗢 Midi Port IRQ

₩5	Set 5 for Midi Port IRQ.
▶ 10	Set 10 for Midi Port IRQ. (Default Value)

Power Management Setup

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Power Management S	etup	
ACPI Suspend Type	[S1(POS)]	Item Help
*USB Device Wake-Up From S3	Disabled	Menu Level 🕨
Power Management	[User Define]	
Video Off Method	[DPMS]	
Video Off In Suspend	[Yes]	
Suspend Type	[Stop Grant]	
MODEM Use IRQ	[NA]	
Suspend Mode	[Disabled]	
HDD Power Down	[Disabled]	
Soft-Off by PWR-BTTN	[Instant-off]	
PME Event Wake Up	[Enabled]	
ModemRingOn/WakeOnLan *	[Enabled]	
CPU Thermal-Throttling	[50%]	
Resume by Alarm	[Disabled]	
* Date(of Month) Alarm	0	
* Time(hh:mm:ss) Alarm	0 0 0	
** Reload Global Timer Events **		
Primary IDE 0	[Disabled]	
Primary IDE 1	[Disabled]	
Secondary IDE 0	[Disabled]	
Secondary IDE 1	[Disabled]	
FDD,COM,LPT Port	[Disabled]	
PCI PIRQ[A-D]#	[Disabled]	
Power LED in S1/S3 State	[Blinking]	
$\uparrow \downarrow \rightarrow \leftarrow$: Move Enter:Select +/-/PU/PD:Value F10:Sav	e ESC:Exit F1:Genera	al Help
F5:Previous Values F6:Fail-Safe Defaults F7:Opt	imized Defaults	

Figure 6: Power Management Setup

* For GA-6IWMT only

∽ ACPI Suspend Type

➡S1(POS)	Set ACPI suspend type is S1. (Default Value)
S3(STR)	Set ACPI suspend type is S3.

∽ USB Device Wake-Up from S3

- Disabled USB Device Wake-Up from S3. (Default Value) ➡ Disabled
- ➡ Enabled Enabled USB Device Wake-Up from S3.

Power Management

- ➡ User Define For configuring our own power management features. (Default Value)
- ➡ Min Saving Enable Green function. ➡ Man Saving Disable Green function.

∽ Video off Method

►V/H SYNC+Blank	BIOS will turn off V/H-SYNC when gets into Green mode for
	Green monitor power saving.
➡Blank Screen	BIOS will only black monitor when gets into Green mode.
► DPMS	BIOS will use DPMS Standard to control VGA card. (The Green
	type VGA card will turn off V/H-SYNC automatically.)
	(Default value)

🖙 Video Off In Suspend

→ Yes	Set Suspend type is stop grant. (Default value)
▶ No	SuspendSet Suspend type is Power on Suspend.

∽ Suspend Type

➡ Stop Grant	Set Suspend type is stop grant. (Default value)
PwrOn Suspend	Set Suspend type is Power on Suspend.

∽ MODEMUseIRQ

► NA	Set MODEM Use IRQ to NA. (Default Value)	
₩3	Set MODEM Use IRQ to 3.	
▶ 4	Set MODEM Use IRQ to 4.	
₩5	Set MODEM Use IRQ to 5.	
₩7	Set MODEM Use IRQ to 7.	
₩9	Set MODEM Use IRQ to 9.	
▶ 10	Set MODEM Use IRQ to 10.	
▶ 11	Set MODEM Use IRQ to 11.	
GA-6IWMT(-C) Motherboard	- 44 -	

${}^{\curvearrowleft} \mathbf{Suspend\,Mode}$

Disabled Disabled Suspend Mode. (Default Value)1 min - 1 Hour Setup the timer to enter Suspend Mode.

C HDD Power Down

➡ Disabled	Disabled HDD Power	Down mode function.	(Default Value)

 \blacktriangleright 1-15 mins. Enabled HDD Power Down mode between 1 to 15 mins.

Soft-off by Power Button

- ► Instant off Soft switch ON/OFF for Power Button. (Default Value)
- ➡ Delay-4Sec Soft switch ON 4 Sec for Power off.

PME Event Wake UP

➡ Disabled	Disabled this function.
➡ Enabled	Enabled PME Event Wake up. (Default Value)

∽ Modem Ring On/Wake On LAN *

➡ Disabled	Disabled Modem Ring on/wake on Lan function.
➡ Enabled	Enabled Modem Ring on/wake on Lan. (Default Value)

∽ CPU Thermal-Throttling

▶ 50.0%	Monitor CPU Temp. will cause system slow down CPU Duty Cycle to 50.0%.
	(Default Value)
▶ 37.5%	Monitor CPU Temp. will cause system slow down CPU Duty Cycle to 37.5%.
▶ 25.0%	Monitor CPU Temp. will cause system slow down CPU Duty Cycle to 25.0%.
▶ 12.5%	Monitor CPU Temp. will cause system slow down CPU Duty Cycle to 12.5%.
▶ 87.5%	Monitor CPU Temp. will cause system slow down CPU Duty Cycle to 87.5%.
▶ 75.0%	Monitor CPU Temp. will cause system slow down CPU Duty Cycle to 75.0%.
▶ 62.5%	Monitor CPU Temp. will cause system slow down CPU Duty Cycle to 62.5%.

∽ Resume by Alarm

You can set "RTC Alarm Resume" item to enabled and key in Data/time to power on

system.

Disabled	Disable this function.	(Default Value)
----------	------------------------	-----------------

Enabled Enable alarm function to POWER ON system.

* For GA-6IWMT only

BIOS Setup

If RTC Alarm Lead To Power On is Enabled. Date (of Month) Alarm : Everyday, 1~31 Time (hh: mm: ss) Alarm : (0~23) : (0~59) : (0~59)

∽ Primary/Secondary IDE 0/1

➡ Disabled	Disabled this function. (Default value)
► Enabled	Enabled monitor Primary/Secondary IDE 0/1 for Green event.

∽FDD,COM,LPT Port

► Disabled	Disabled this function. (Default value)
➡Enabled	Enabled monitor FDC,COM,LPT for Green event.

∽ PCI PIRQ[A-D]

► Enabled	Monitor PCI PIRQ[A-D]# IRQ Active.
➡ Disabled	Ignore PCI PIRQ[A-D]# IRQ Active. (Default value)

Power LED in S1/S3 state

➡ Blinking	In standby mode(S1), power LED will blink. (Default Value)
Duel/Off	la standharmada (C1)

Dual/Off In standby mode(S1):

a. If use single color LED, power LED will turn off.

b. If use dual color LED, power LED will turn to another color.

PNP/PCI Configuration

CMOS Setup Utility-Copyright (C) 1984-2001 Award Software

PnP/PCI Configurations			
PNP OS Installed	[No]	Item Help	
		Menu Level 🕨	
Resources Controlled By	[Auto]	Select Yes if you	
×IRQ Resources	Press Enter	are using a Plug	
PCI1 IRQ Assignment	[Auto]	and Play capable	
PCI2 IRQ Assignment	[Auto]	operating system	
PCI3 IRQ Assignment	[Auto]	Select No if you	
		need the BIOS to	
		configure non-Boot	
		device.	
↑↓→←: Move Enter:Select +/-/PU/PI	↑↓→←: Move Enter:Select +/-/PU/PD:Value F10:Save ESC:Exit F1:General Help		
F5:Previous Values F6:Fail-Safe	Defaults F7:Optimized Defaults		

Figure 7: PnP/PCI Configurations

PNP OS Install

► No	Disable this function. (Default Value)
→ Yes	Enabled PNP OS install.

☞ Resources Controlled by

➡ Manual	User can set the PnP resource (I/O Address, IRQ & DMA
	channels) used by legacy ISA DEVICE.

► Auto BIOS automatically use these PnP rescuers. (Default value)

· IRQ Resources (3,4,5,7,9,10,11,12,14,15)

▶ Reserved Set the resource to reserved.

PCI Slot1, 2, 3 IRQ Priority

➡ Auto	The system will reserved a free IRQ for PCI slot 1, 2, 3, device.
	(Default Value)
₩3	The system will reserved IRQ3 for PCI slot 1, 2, 3 device if no legacy ISA
	device using IRQ3.
▶ 4	The system will reserved IRQ for PCI slot 1, 2, 3 device if no legacy ISA
	device using IRQ4.
₩5	The system will reserved IRQ5 for PCI slot 1, 2, 3 device if no legacy ISA
	device using IRQ5.
₩7	The system will reserved IRQ7 for PCI slot 1, 2, 3 device if no legacy ISA
	device using IRQ7.
₩9	The system will reserved IRQ9 for PCI slot 1, 2, 3 device if no legacy ISA

- device using IRQ9.
- ▶ 10 The system will reserved IRQ10 for PCI slot 1, 2, 3 device if no legacy ISA device using IRQ10.
- ▶ 11 The system will reserved IRQ11 for PCI slot 1, 2, 3 device if no legacy ISA device using IRQ11.

PC Health Status

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PC Health Status			
Reset Case Open Status	[Disabled]	Item Help	
Case Opened	No	Menu Level 🕨	
VCORE	1.792 V	[Disabled]	
+3.3V	3.360V	Do'nt reset case	
+ 5V	5.053 V	open status	
+12V	12.096V	[Enabled]	
Current CPU Temperature	43°C/109°F	Clear case open	
Current CPU FAN Speed	5443 RPM	status at next boot	
Current SYSTEM FAN speed	0 RPM		
CPU Warning Temperature	Disabled		
CPU FAN Fail Warning	Disabled		
SYSTEM FAN Fail Warning	Disabled		
$\uparrow \downarrow \rightarrow \leftarrow$: Move Enter:Select +/-/	$\uparrow \downarrow \rightarrow \leftarrow$: Move Enter:Select +/-/PU/PD:Value F10:Save ESC:Exit F1:General Help		
F5:Previous Values F6:Fail-	-Safe Defaults F7:Optimized Defaults		

Figure8: PC Health Status

*****Reset Case Open Status

Case Opened

If the case is closed, "Case Opened" will show "No".

If the case have been opened, "Case Opened" will show "Yes".

If you want to reset "Case Opened" value, set "Reset Case Open Status" to

"Enabled" and save CMOS, your computer will restart.

${}^{\mbox{\tiny GP}}Current Voltage (V) VCORE / +3.3V / +5V / +12V$

► Detect system's voltage status automatically.

\mathcal{P} Current CPU Temperature (°C / °F)

► Detect CPU Temp. automatically.

∽ Current CPU / SYSTEM FAN Speed (RPM)

→ Detect Fan speed status automatically.

CPU Warning Temperature

Alarm when current temperature over than selected temperature.

₩ 60°С / 140°F	Monitor CPU Temp. at 60°C / 140°F.
▶70°C / 158°F	Monitor CPU Temp. at 70°C / 158°F.
₩80°C / 176°F	Monitor CPU Temp. at 80°C / 176°F.
▶90°C / 194°F	Monitor CPU Temp. at 90°C / 194°F.
► Disabled	Do'nt monitor current temperature.(Default value)

[©]Fan Fail Warning (CPU/ SYSTEM)

➡ Disabled	Fan Fail Alarm Function Disabled. (Default value)
► Enabled	Alarm when fan stops.

Frequency/Voltage Control

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Frequency/Voltage Control		
Host CPU /DIMM PCI clock	Default	Item Help
		Menu Level 🕨
$\uparrow \downarrow \rightarrow \leftarrow$: Move Enter:Select +/-/PU/PE	D:Value F10:Save ESC:Exit F1:Gen	eral Help
F5:Previous Values F6:Fail-Safe D	efaults F7:Optimized Defaults	
Figure 9.	Frequency/Voltage Control	

Figure 9: Frequency/Voltage Control

***Host CPU/DIMM PCI clock**

► Default It's depends on CPU Clock Ratio.

Load Fail-Safe Defaults

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► Standard CMOS Features		▶ Frequency/Voltage Control
Advanced BIOS Features		Load Fail-Safe Defaults
Advanced Chips	set Features	Load Optimized Defaults
Integrated Peripherals		Set Supervisor Password
▶Power Manager	ant Catur	Cat Hoar Decomand
▶ PnP/PCI Confi	Load Fail-Safe De	efaults? (Y/N)?Y
▶PC Health Status	5	Exit witnout Saving
ESC:Quit		$\uparrow \downarrow \rightarrow \leftarrow$:Select Itect
F8:Q-Flash		F10:Save & Exit Setup
Load Fail-Safe Defaults		

Figure 10: Load Fail-Safe Defaults

Load Fail-Safe Defaults

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

Load Optimized Defaults

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Standard CMOS Features		► Frequency/Voltage Control
Advanced BIOS Features		Load Fail-Safe Defaults
► Advanced Chipset Features		Load Optimized Defaults
►Integrated Peripherals		Set Supervisor Password
► Power Management Setup		Set User Password
▶PnP/PCI Configu	Load Ontimized	Defaults? (V/NI)?V
►PC Health Statu	Load Optimized Defaults? (Y/N)?Y	
ESC:Quit		$\uparrow \downarrow \rightarrow \leftarrow$:Select Itect
F8:Q-Flash		F10:Save & Exit Setup
Load Optimized Defaults		

Figure 11: Load Optimized Defaults

Load Optimized Defaults

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

Set Supervisor/User Password

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► Standard CMOS Features	Frequency/Voltage Control	
Advanced BIOS Features	Load Fail-Safe Defaults	
Advanced Chipset Features	Load Optimized Defaults	
►Integrated Peripherals	pherals Set Supervisor Password	
► Power Management Setup	Power Management Setup Set User Password	
▶ PnP/PCI Config Enter Password:		
►PC Health Statu	LAN THEORY CUTING	
ESC:Quit	↑↓→←:Select Itect	
F8:Q-Flash	F10:Save & Exit Setup	
Change/Set/Dis	sable Password	

Figure 12: Password Setting

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>. 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 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.

The BIOS Setup program allows you to specify two separate passwords: a SUPERVISOR PASS-WORD and a USER PASSWORD. When disabled, anyone may access all BIOS Setup program function. When enabled, the Supervisor password is required for entering the BIOS Setup program and having full configuration fields, the User password is required to access only basic items.

If you select "System" at "Security Option" in Advance BIOS Features Menu, you will be prompted for the password every time the system is rebooted or any time you try to enter Setup Menu.

If you select "Setup" at "Security Option" in Advance BIOS Features Menu, you will be prompted only when you try to enter Setup.

Save & Exit Setup

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Standard CMOS F	eatures	► Frequency/Voltage Control
► Advanced BIOS F	IOS Features Load Fail-Safe Defaults	
Advanced Chipset Features Load Optimized Defaults		Load Optimized Defaults
►Integrated Peripher	d Peripherals Set Supervisor Password	
►Power Management	wer Management Setur	
▶PnP/PCI Confi	PnP/PCI Confi Save to CMOS and EXIT (Y/N)? Y	
▶PC Health Status		Exit without Saving
ESC:Quit		$\uparrow \downarrow \rightarrow \leftarrow$:Select Itect
F8:Q-Flash	h F10:Save & Exit Setup	
	Save Datat to	CMOS

Figure 13: 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

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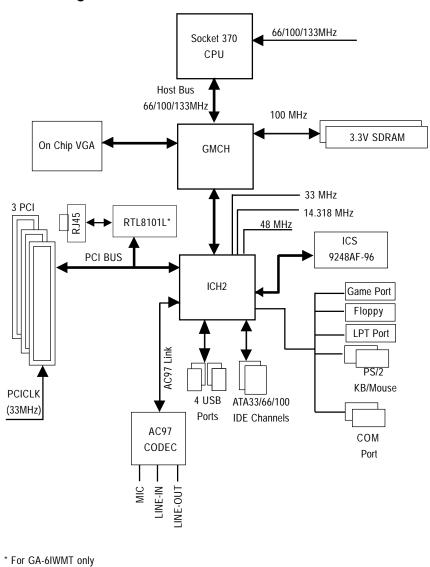
Standard CMOS Features	► Frequency/Voltage Control	
Advanced BIOS Features	eatures Load Fail-Safe Defaults	
Advanced Chipset Features	t Features Load Optimized Defaults	
►Integrated Peripherals	rals Set Supervisor Password	
Power Management Sotup	nont Satur Sat User Dessword	
▶ PnP/PCI Confi Quit Without Sa	Quit Without Saving (Y/N)? N	
►PC Health Status		
ESC:Quit	$\uparrow \downarrow \rightarrow \leftarrow$:Select Itect	
F8:Q-Flash	F10:Save & Exit Setup	
Abandon all	Data	

Figure 14: Exit Without Saving

Type "Y" will quit the Setup Utility without saving to RTC CMOS. Type "N" will return to Setup Utility.

Chapter 4 Technical Reference

Block Diagram



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BIOS update procedure Method 1:

Q-Flash Introduction

A. What is Q-Flash Utility?

Q-Flash utility is a pre-O.S. BIOS flash utility enables users to update its BIOS within BIOS mode, no more fooling around any OS.

B. How to use Q-Flash?

a. After power on the computer, pressing immediately during POST (Power On Self Test) it will allow you to enter AWARD BIOS CMOS SETUP, then press <F8> to enter Q-Flash utility.

► Standard CMOS Features Load Fail-Safe Defaults	
Advanced BIOS Features	Load Optimized Defaults
►Integrated Perinherals Set Supervisor Password	
Power Enter Q-Flash Utility (Y/N)? Y PnP/Pt	
► Frequency/Voltage Control Exit Without Saving	
Top Performance	
ESC-Quit	↑↓→←:Select Item
F8: Q-Flash	F10:Save & Exit Setup
Time, Date	e, Hard Disk Type

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b. Q-Flash Utility

	Q-Flash Utility V3.05	
Flash Type/Size : Keep DMI Data :	SST 39SF020 / 256K Yes	
	Load BIOS from Floppy Save BIOS to Floppy	
Enter: Run	Space Bar:Change Value ESC: Reset	1/↓: Select Item

English

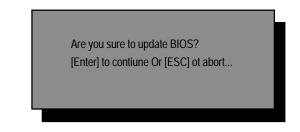
Load BIOS From Floppy

 \mathscr{I} In the A:drive, insert the "BIOS" diskette, then Press Enter to Run.

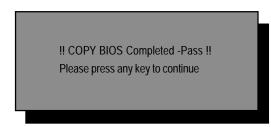
	1 File(s) found	
×xxxx.xx		256К
Total Size: 1.39M F5: Refresh	Free S DEL: Delete	Size: 1.14M ESC: Return Main

Where XXXX.XX is name of the BIOS file.

Press Enter to Run.



Press Enter to Run.



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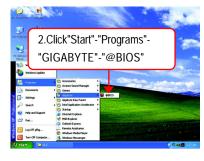
Congratulation! You have completed the flashed and now can restart system.

Method 2:

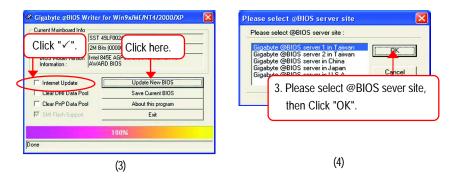
If you don't have DOS boot disk, we recommend that you used Gigabyte @BIOS[™] program to flash BIOS.

Follow the setup that showing on the scween to install the Utility.









Methods and steps:

I. Update BIOS through Internet

- a. Click "Internet Update" icon
- b. Click "Update New BIOS" icon
- c. Select @BIOS™ sever
- d. Select the exact model name on your motherboard
- e. System will automatically download and update the BIOS.

II. Update BIOS NOT through Internet:

- a. Do not click "Internet Update" icon
- b. Click "Update New BIOS"
- c. Please select "All Files" in dialog box while opening the old file.
- d. Please search for BIOS unzip file, downloading from internet or any other methods (such as: 6IWMT.F1).
- e. Complete update process following the instruction.

III. Save BIOS

In the very beginning, there is "Save Current BIOS" icon shown in dialog box. It means to save the current BIOS version.

IV. Check out supported motherboard and Flash ROM:

In the very beginning, there is "About this program" icon shown in dialog box. It can help you check out which kind of motherboard and which brand of Flash ROM are supported.

Note:

a. In method I, if it shows two or more motherboard's model names to be selected, please make sure your motherboard's model name again. Selecting wrong model name will cause the system unbooted.

b. In method II, be sure that motherboard's model name in BIOS unzip file are the same as your motherboard's. Otherwise, your system won't boot.

c. In method I, if the BIOS file you need cannot be found in @BIOS[™] server, please go onto Gigabyte's web site for downloading and updating it according to method II.

d. Please note that any interruption during updating will cause system unbooted

@ BIOS IntroductionGigabyte announces @ BIOSWindows BIOS live update utility



Have you ever updated BIOS by yourself? Or like many other people, you just know what BIOS is, but always hesitate to update it? Because you think updating newest BIOS is unnecessary and actually you don't know how to update it.

Maybe not like others, you are very experienced in BIOS updating and spend quite a lot of time to do it. But of course you don't like to do it too much. First, download different BIOS from website and then switch the operating system to DOS mode. Secondly, use different flash utility to update BIOS. The above process is not a interesting job. Besides, always be carefully to store the BIOS source code correctly in your disks as if you update the wrong BIOS, it will be a nightmare.

Certainly, you wonder why motherboard vendors could not just do something right to save your time and effort and save you from the lousy BIOS updating work? Here it comes! Now Gigabyte announces @BIOS—the first Windows BIOS live update utility. This is a smart BIOS update software. It could help you to download the BIOS from internetand update it. Not like the other BIOS update software, it's a Windows utility. With the help of "@BIOS', BIOS updating is no more than a click.

Besides, no matter which mainboard you are using, if it's a Gigabyte's product*, @BIOS help you to maintain the BIOS. This utility could detect your correct mainboard model and help you to choose the BIOS accordingly. It then downloads the BIOS from the nearest Gigabyte ftp site automatically. There are several different choices; you could use "Internet Update" to download and update your BIOS directly. Or you may want to keep a backup for your current BIOS, just choose "Save Current BIOS" to save it first. You make a wise choice to use Gigabyte, and @BIOS update your BIOS smartly. You are now worry free from updating wrong BIOS, and capable to maintain and manage your BIOS easily. Again, Gigabyte's innovative product erects a milestone in mainboard industries.

For such a wonderful software, how much it costs? Impossible! It's free! Now, if you buy a Gigabyte's motherboard, you could find this amazing software in the attached driver CD. But please remember, connected to internet at first, then you could have a internet BIOS update from your Gigabyte @BIOS.

Easy Tune[™] 4 Introduction

Gigabyte announces *EasyTune*[™] *4* Windows based Overclocking utility

EasyTune 4 carries on the heritage so as to pave the way for future generations.



Overclock" might be one of the most common issues in computer field. But have many users ever tried it? The answer is probably "no". Because "Overclock" is thought to be very difficult and includes a lot of technical know-how, sometimes "Overclock" is even considered as special skills found only in some enthusiasts. But as to the experts in "Overclock", what's the truth? They may spend quite a lot of time and money to study, try and use many different hard-

ware or BIOS tools to do "Overclock". And even with these technologies, they still learn that it's quite a risk because the safety and stability of an "Overclock" system is unknown. Now everything is different because of a Windows based overclocking utility "EasyTune 4" --announced by Gigabyte. This windows based utility has totally changed the gaming rule of "Overclock". This is the first windows based overclocking utility is suitable for both normal and power users. Users can choose either "Easy Mode" or "Advanced Mode" for overclocking at their convenience. For users who choose "Easy Mode", they just need to click "Auto Optimize" to have autoed and immediate CPU overclocking. This software will then overdrive CPU speed automatically with the result being shown in the control panel. If users prefer "Overclock" by them, there is also another choice. Click "Advanced Mode" to enjoy "sport drive" class Overclocking user interface. "Advanced Mode", allows users to change the system bus / AGP / Memory working frequency in small increments to get ultimate system performance. It operates in coordination with Gigabyte motherboards. Besides, it is different from other traditional over-clocking methods, EasyTune 4 doesn't require users to change neither BIOS nor hardware switch/ jumper setting; on the other hand, they can do "Overclock" at easy step. Therefore, this is a safer way for "Overclock" as nothing is changed on software or hardware. If user runs EasyTune 4 over system's limitation, the biggest lost is only to restart the computer again and the side effect is then well controlled. Moreover, if one well-performed system speed has been tested in EasyTune 4, user can "Save" this setting and "Load" it in next time. Obviously, Gigabyte EasyTune 4 has already turned the "Overclock" technology toward to a newer generation. This wonderful software is now free bundled in Gigabyte motherboard attached in driver CD. Users may make a test drive of "EasyTune 4" to find out more amazing features by themselves.

*Some Gigabyte products are not fully supported by EasyTune 4. Please find the products supported list in the web site.

*Any "Overclocking action" is at user's risk, Gigabyte Technology will not be responsible for any damage or instability to your processor, motherboard, or any other components.

GA-6IWMT(-C) Motherboard

Chapter 5 Appendix

Install Drivers



Picture below are shown in Windows XP (IUCD ver 2.22)

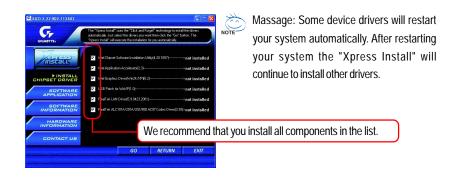
Insert the driver CD-title that came with your motherboard into your CD-ROM drive, the driver CD-title will auto start and show the installation guide. If not, please double click the CD-ROM device icon in "My computer", and execute the setup.exe.

INSTALL CHIPSET DRIVER

This page shows the drivers that need to be installed for the system. Click each item to install the driver manually or switch to the *manually* to install the drivers automatically.



The "Xpress Install" uses the "Click and Forget" technology to install the drivers automatically. Just select the drivers you want then click the "GO" button. The will finish the installation for you automatically.



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Appendix



Driver install finished ! You have to reboot system !

Item Description

- Intel Chipset Software Installation Utility
 Tell the operating system how the chipset components will be configured
- Intel Application Accelerator
 Designed to improve performance of the storage sub-system and overall system performance
- Intel Extreme Graphics Driver
 For Intel[®] 810E Chipsets
- USB Patch for WinXP
 This patch driver can help you to resolve the USB device wake up S3 hang up issue in XP
- RealTek LAN Driver
 Promise 10/100 LAN driver for 81XX series chips
- RealTek ALC101A/201A/202/650 AC97 Codec Driver For Intel® ICH/ICH2/ICH4 AC97 audio

SOFTWARE APPLICATION

This page reveals the value-added software developed by Gigabyte and its worldwide partners.

	sage reveals the value-added software developed by Gigabyte ts worldwide partners.
	Gigabyte Windows Utilities Manager(GWUM)
TANJETET !!	Gigabyte Management Tool(GMT)
Installs	EasyTune4
	DMI Viewer
INSTALL	FaceWcard
HIPSET DRIVER	@BIDS
SOFTWARE	Acrobat e-Book
APPLICATION	Acrobat Reader
	Noton Internet Security(NIS)
SOFTWARE	
HARDWARE	
INFORMATION	
CONTACT US	
	EXI

- Gigabyte Windows Utilities Manager (GWUM)
 This utility can integrate the Gigabyte's applications in the system tray
- Gigabyte Management Tool (GMT)
 A useful tool which can manage the computer via the network
- EasyTune 4

Powerful utility that integrates the overclocking and hardware monitoring functions

DMI Viewer

Windows based utility which is used to browse the DMI/SMBIOS information of the system

- Face-Wizard
 New utility for adding BIOS logo
- @BIOS

Gigabyte windows flash BIOS utility

- Acrobat e-Book
 Useful utility from Adobe
- Acrobat Reader
 Popular utility from Adobe for reading .PDF file format documents
- Norton Internet Security (NIS) Integrated utility which includes anti-virus, ads, etc.

SOFTWARE INFORMATION

This page list the contects of softwares and drivers in this CD title.



HARDWARE INFORMATION

This page lists all device you have for this motherboard.



CONTACT US

Contact us via the information in this page all over the world.

APPESS INSTALL HIPSET DRIVER SOFTWARE APPLICATION SOFTWARE INFORMATION HARDWARE	GLEVETT THOMSONY CO. ITT: More than the second line form the constraints from the second line more second line form more second lin	- 0.11 (H-1)(5.6) - 0.11 (H-1)(5.6) (H-1)(5.6)(5.6) (H-1)(-0.6)(4.5) (H-1)(5.6)(5.6) (H-1)(-0.6)(1.6) (H-1)(-0.6)(1.6)(1.6)(1.6)(1.6)(1.6)(1.6)(1.6)(1
INFORMATION	- GUANGZHOU OFFICE (China) Tel: +86-20-67 595273 Tex: +86-20-6754406	 - GKG-BYTE TECHNOLOGY 8.3: (The Netherlands) Tel: +31-40-290-2088. Fee: +35-40-290-2089. http://doi.org/get/syte.nl
▶ CONTACT US	- CHENGDU CHTICE (China) Tel: +66-29-65236300 Tel: +66-26-65256832	HIPON GIGA-BYTE CORPORATION (Japane) Fac: +01-0-37915439 http://doi.org/jp.byte.co.jp

Gigabyte Technology Co., Ltd. Address: No.6, Bau Chiang Road, Hsin-Tien, Taipei Hsien, Taiwan, R.O.C. TEL: 886 (2) 8912-4888 (50 lines) FAX: 886 (2) 8912-4004 E-mail:english@gigabyte.com.tw Web Address: http://www.gigabyte.com.tw • USA G.B.T. INC. Address: 17358 Railroad St, City of Industry, CA 91748. Tel: 1 (626) 854-9338 Fax: 1 (626) 854-9339 E-mail:sales@giga-byte.com support@giga-byte.com Web Address: www.giga-byte.com • Germany G.B.T. Technology Trading GmbH Tel: 49-40-2533040 Fax: 49-40-25492343 (Sales) Tel: 49-01803-428468 (Tech.) Fax: 49-01803-428329 (Tech.) E-mail:support@gigabyte.de Web Address: www.gigabyte.de • JAPAN

Nippon Giga-Byte Corporation Fax: 81-3-5791-5439 Web Address: www.gigabyte.co.jp

• U.K G.B.T. TECH. CO. LTD. Tel: 44-1908-362700 Fax: 44-1908-362709 E-mail:support@gbt-tech.co.uk Web Address: www.gbt-tech.co.uk • The Netherlands Giga-Byte Technology B.V. Address: Postbus 1385, 5602 BJ, Eindhoven, The Netherlands Tel: +31 40 290 2088 Fax: +31 40 290 2089 E-mail:info@giga-byte.nl Web Address: http://www.giga-byte.nl • China Shanghai Office Tel: 86-21-64737410 Fax: 86-21-64453227 Web Address: www.gigabyte.com.cn GuangZhou Office Tel: 86-20-87586273 Fax: 86-20-87544306 Web Address: www.gigabyte.com.cn Beijing Office Tel: 86-10-82856054 86-10-82856064 86-10-82856094 Fax: 86-10-82856575 Web Address: www.gigabyte.com.cn E-mail:bjsupport@gigabyte.com.cn Chengdu Office Tel: 86-28-85236930 Fax: 86-28-85256822 Web Address: www.gigabyte.com.cn

Acronyms

Acronyms	Meaning
ACPI	Advanced Configuration and Power Interface
APM	Advanced Power Management
AGP	Accelerated Graphics Port
AMR	Audio Modem Riser
ACR	Advanced Communications Riser
BIOS	Basic Input / Output System
CPU	Central Processing Unit
CMOS	Complementary Metal Oxide Semiconductor
CRIMM	Continuity RIMM
CNR	Communication and Networking Riser
DMA	Direct Memory Access
DMI	Desktop Management Interface
DIMM	Dual Inline Memory Module
DRM	Dual Retention Mechanism
DRAM	Dynamic Random Access Memory
DDR	Double Data Rate
ECP	Extended Capabilities Port
ESCD	Extended System Configuration Data
ECC	Error Checking and Correcting
ЕМС	Electromagnetic Compatibility
EPP	Enhanced Parallel Port
ESD	Electrostatic Discharge
FDD	Floppy Disk Device
FSB	Front Side Bus
HDD	Hard Disk Device
IDE	Integrated Dual Channel Enhanced
IRQ	Interrupt Request
I/O	Input / Output
IOAPIC	Input Output Advanced Programmable Input Controller
ISA	Industry Standard Architecture
LAN	Local Area Network

to be continued.....

GA-6IWMT(-C) Motherboard

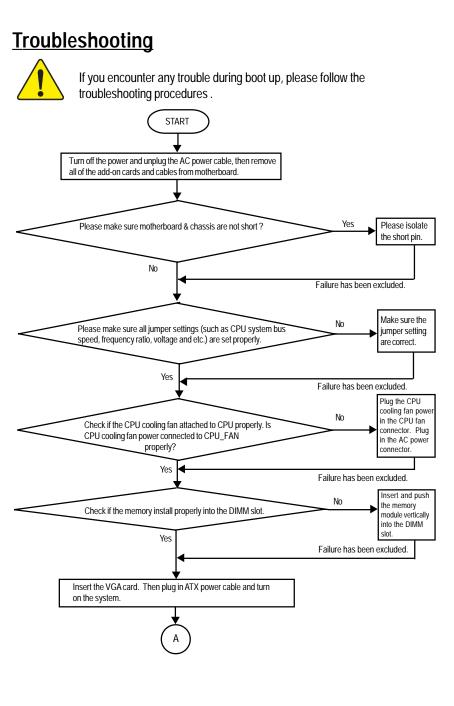
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Acronyms	Meaning
LBA	Logical Block Addressing
LED	Light Emitting Diode
MHz	Megahertz
MIDI	Musical Instrument Digital Interface
MTH	Memory Translator Hub
MPT	Memory Protocol Translator
NIC	Network Interface Card
OS	Operating System
OEM	Original Equipment Manufacturer
PAC	PCI A.G.P. Controller
POST	Power-On Self Test
PCI	Peripheral Component Interconnect
RIMM	Rambus in-line Memory Module
SCI	Special Circumstance Instructions
SECC	Single Edge Contact Cartridge
SRAM	Static Random Access Memory
SMP	Symmetric Multi-Processing
SMI	System Management Interrupt
USB	Universal Serial Bus
VID	Voltage ID

Technical Support/RMA Sheet

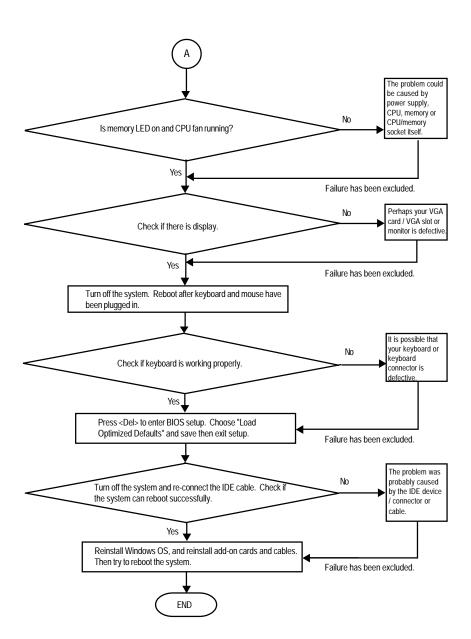
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Keyboard					
Mouse					
Power supply					
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GA-6IWMT(-C) Motherboard



English

Appendix



If the above procedure unable to solve your problem, please contact with your local retailer or national distributor for help. Or, you could submit your question to the service mail via Gigabyte website technical support zone

(http://www.gigabyte.com.tw). The appropriate response will be provided ASAP.

GA-6IWMT(-C) Motherboard

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Appendix

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GA-6IWMT(-C) Motherboard