### 4. **BIOS CONFIGURATION**

Award's BIOS ROM has a built-in Setup program that allows users to modify the basic system configuration. This type of information is stored in batterybacked CMOS SRAM so that it retains the Setup information when the power is turned off.

#### 4.1. ENTERING SETUP

Power ON the computer and press <Del> 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>, and <Del> keys.

#### 4.2. CONTROL KEYS

Up arrow	Move to previous item
Down arrow	Move to next item
Left arrow	Move to the item in the left hand
Right arrow	Move to the item in the right hand
Esc key	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 key	Increase the numeric value or make changes
PgDn key	Decrease the numeric value or make changes
F1 key	General help, only for Status Page Setup Menu and Option
	Page Setup Menu
F2 key	Change color from total 16 colors
F3 key	Reserved
F4 key	Reserved
F5 key	Restore the previous CMOS value from CMOS, only for
	Option Page Setup Menu
F6 key	Load the default CMOS value from BIOS default table, only
	for Option Page Setup Menu
F7 key	Load the default
F8 key	Reserved
F9 key	Reserved

F10 key	Save all the CMOS changes, only for Main Menu			
4.3. GETTING HELP				

## 4.3.1. Main Menu

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

#### 4.3.2. 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>.

#### 4.4. THE MAIN MENU

Once you enter Award BIOS CMOS Setup Utility, the Main Menu (Figure 4.1) will appear on the screen. The Main Menu allows you to select from nine setup functions and two exit choices. Use arrow keys to select among the items and

ROM PCI/ISA BIOS (2A69J60N) CMOS SETUP UTILITY AWARD SOFTWARE, INC.		
STANDARD CHOS SETUP BIOS FEATURES SETUP CHIPSET FEATURES SETUP POWER MANAGEMENT SETUP PNP/PCI CONFIGURATION INTEGRATED PERIPHERALS LOAD SETUP DEFAULTS	USER PASSWORD IDE HDD AUTO DETECTION SAVE & EXIT SETUP EXIT WITHOUT SAVING	
Esc : Quit F10 : Save & Exit Setup	† 4 → ← : Select Item (Shift)F2 : Change Color	



#### 6EX

Standard CMOS setup

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

BIOS features setup

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

• Chipset features setup

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

Power management setup

This setup page includes all the items of Green function features.

PNP/PCI configuration

This setup page includes all the configurations of PCI & PnP ISA resources.

Integrated peripherals

This setup page includes all onboard peripherals.

Load setup defaults

Setup Defaults indicates the most appropriate value of the system parameters which the system would be in safe configuration.

User password

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

IDE HDD auto detection

Automatically configure hard disk parameters.

Save & exit setup

Save CMOS value settings to CMOS and exit setup.

Exit without saving

Abandon all CMOS value changes and exit setup.

4.5. STANDARD CMOS SETUP MENU

The items in Standard CMOS Setup Menu (Figure 4.2) are divided into 9 categories. Each category includes no, one or more than one setup items. Use the arrows to highlight the item and then use the <PgUp> or <PgDn> keys to

		M PCI/IS. STANDARD AWARD SO:	CMOS	SETUP					
Date (nom:dd:yy) : 1 Time (hh:nom:ss) : 1 HARD DISKS	11 : 11	: 38		HE AD	PRECOMP	LANDZ	SECTOR	MODE	
	Batto	0	0	0	0	0	0	Auto	lis
Primary Slave :		ŏ		ŏ				Auto	
Secondary Master :		ŏ		ŏ	-	-	-	Auto	
Secondary Slave :		0	0	0	0	0	0	Auto	nonth)
Drive & : 1.44M, 3.5 i	nÅ								
Drive B : None					Base	Memory:	640	ĸ	
Floppy 3 Mode Suppo	ort : D	isabled		Ex	tended Other		15360 384		
Video : EGA/VGA							1 200	-	
Halt On : No Errors					Total	Memory:	16384	K	
ESC : Quit Fl : Help		→ ← : ift)F2 :				PU/PD/	/+/- : !	Modify	culate

• Primary HDDs / Secondary HDDs

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 user definable type. User 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

**BIOS Configuation** 

PRECOMP	write precomp
LANDZONE	Landing zone
SECTORS	number of sectors

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

#### • Drive A type / Drive B type

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 in.	5.25 inch PC-type standard drive; 360K byte capacity.		
1.2M, 5.25 in.	5.25 inch AT-type high-density drive; 1.2M byte		
	capacity (3.5 inch when 3 Mode is Enabled).		
720K, 3.5 in.	3.5 inch double-sided drive; 720K byte capacity		
1.44M, 3.5 in.	3.5 inch double-sided drive; 1.44M byte capacity.		
2.88M, 3.5 in.	3.5 inch double-sided drive; 2.88M byte capacity.		

#### • Floppy 3 Mode Support (for Japan Area)

Disabled	Normal Floppy Drive.
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.

#### Video

The category detects the type of adapter used for the primary system monitor that must match your video display card and monitor. Although secondary monitors are supported, you do not have to select the type in setup.

EGA/VGAEnhanced Graphics Adapter/Video Graphics Array. For<br/>EGA, VGA, SVGA, or PGA monitor adaptersCGA 40Color Graphics Adapter, power up in 40 column modeCGA 80Color Graphics Adapter, power up in 80 column modeMONOMonochrome adapter, includes high resolution<br/>monochrome adapters

#### 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
All Errors	Whenever the BIOS detects a non-fatal error the system will be stopped and you will be prompted
All, But Keyboard	The system boot will not stop for a keyboard error; it will stop for all other errors
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.

#### **Extended Memory**

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.

#### **Expanded Memory**

Expanded Memory in memory defined by the Lotus / Intel / Microsoft (LIM) standard as EMS.

Many standard DOS applications can not utilize memory above 640 K; the Expanded Memory Specification (EMS) swaps memory, which not utilized by DOS with a section, or frame, so these applications, can access all of the system memory.

Memory can be swapped by EMS is usually 64 K within 1 MB or memory above 1 MB, depends on the chipset design.

Expanded memory device driver is required to use memory as Expanded Memory.

#### **Other Memory**

This refers to the memory located in the 640 K to 1024 K address space. This is memory that can be used for different applications.

DOS uses this area to load device drivers to keep as much base memory free for application programs. Most use for this area is Shadow RAM.

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I	ROM PCI/ISA H BIOS FEATUR AWARD SOFTU		
Virus Warning CPU Internal Cache External Cache CPU L2 Cache ECC Checking Quick Power On Self Test CPU Update Data Boot Sequence Swap Floppy Drive VGA Boot Prom Boot Up Floppy Seek Boot Up NumLock Status Typematic Rate Setting Typematic Rate (Chars/Sec) Typematic Delay (Msec) Security Option	: Enabled : Enabled : Disabled : Enabled : Enabled : A,C,SCSI : Disabled : AGP : Enabled : On : Disabled : 6 : 250	Video BIOS Shadow : Enabled	∍ is any k drive r in the sing a to
	: Disabled	$\begin{array}{llllllllllllllllllllllllllllllllllll$	pts to

CPU Internal Cache / External Cache

These two categories speed up memory access. However, it depends on CPU / chipset design. The default value is Enabled.

Enabled	Enable cache
Disabled	Disable cache

CPU L2 Cache ECC Checking

The default value is Disabled.

Enabled	Enable CPU L2 Cache ECC Checking
Disabled	Disable CPU L2 Cache ECC Checking

Quick Power On Self Test

This category speeds up Power On Self Test (POST) after you power on 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

CPU Update Data

The default value is Enabled.

Enabled	Enable CPU Update Data
Disabled	Normal CPU Update Data

Boot Sequence

This category determines which drive computer searches first for the disk operating system (i.e., DOS). Default value is A, C, SCSI.

X1, X2, X3	System will first search for X1 disk drive then X2 disk
	drive and then X3 disk drive.

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Swap Floppy Drive

The default value is Disabled.

Enabled	Floppy A & B will be swapped under DOS
Disabled	Floppy A & B will be normal definition

VGA Boot From

The default value is AGP

AGP	System will boot from AGP Display Card
PCI	System will boot from PCI VGA Card

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. The default value is Enabled.

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 80 tracks
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

Boot Up NumLock Status

The default value is On.

On	Keypad is number keys
Off	Keypad is arrow keys

• Typematic Rate Setting

The default value is Disabled.

Enabled	Enable Keyboard Typematic rate setting.
Disabled	Disable Keyboard Typematic rate setting.

• Typematic Rate (Chars / Sec.)

The default value is 6.

6-30	Set the maximum Typematic rate from 6 chars. Per second
	to 30 characters. Per second.

• Typematic Delay (Msec.)

The default value is 250.

250-1000	Set the time delay from first key to repeat the same key in
	to computer.

Security Option

This category allows you to limit access to the system and Setup, or just to Setup. The default value is 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

- 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 page freely.
- PCI/VGA Palette Snoop

The default value is Disabled.

Enabled	For having Video Card on ISA Bus and VGA Card on PCI Bus.
	For VGA Card only.

• OS Select For DRAM>64MB

The default value is Non-OS2.

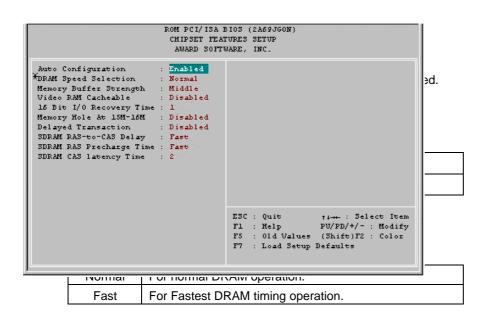
Non-OS2	Using non-OS2 operating system.
OS2	Using OS2 operating system and DRAM>64MB.

• Video BIOS Shadow

It determines whether video BIOS is able to copy to RAM, however, it is optional from chipset design. Video Shadow will increase the video speed. The default value is Enabled.

Enabled	Video shadow is enabled
Disabled	Video shadow is disabled

**BIOS** Configuation



#### Memory Buffer Strength

The default value is Middle.

Middle	For Middle Memory Buffer strength.	
Low	For Low Memory Buffer strength.	
High	For High Memory Buffer strength.	

#### Video RAM Cacheable

The default value is Disabled.

Disabled	Disable this function.
Enabled	Enable this function to get better VGA performance; while
	some brands of VGA must be disabled this function

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(e.g.ET4000W32P).

• 16 Bit I/O Recovery Time

The default value is 1.

1-4	Set 16 Bit I/O recovery time from 1 to 4.
NA	None.

• Memory Hole At 15M-16M

The default value is Disabled.

Disabled	Normal Setting.
Enabled	Set Address=15~16MB remap to ISA BUS.

#### Delayed Transaction

The default value is Disabled.

Disabled	Normal operation.
Enabled	For slow speed ISA device in system.

SDRAM RAS-to-CAS Delay

The default value is Fast

Slow	For 67 / 83 MHz SDRAM DIMM module.
Fast	For 100 MHz SDRAM DIMM module.

SDRAM RAS Precharge Time

The default value is Fast.

Slow	For 67 / 83 MHz SDRAM DIMM module.
Fast	For 100 MHz SDRAM DIMM module.

## SDRAM CAS latency Time

The default value is 2.

3	For 67 / 83 MHz SDRAM DIMM module.
2	For 100 MHz SDRAM DIMM module.

	ROM PCI/ISA E POWER MANAGE AWARD SOFTU		
Power Management PM Control by APM Suspend Mode HDD Power Down Suspend Mode Option VGA Active Monitor Soft-Off by PWR-BTTW Resume by Alarm Date (of Month ) Alarm Time (hhumn:ss) Alarm	: PowerOn Suspend : Disabled : Instant-Off	** Reload Global Timer Event IRQ[3-7,9-15],MMI : Enabl Primary IDE 0 : Disal Secondary IDE 1 : Disal Secondary IDE 1 : Disal Floppy Disk : Enabl Serial Port : Enabl Parallel Port : Disal	ed bled bled bled bled ed
		ESC : Quit +4++ : Sel F1 : Help PU/PD/+/- F5 : Old Values (Shift)F2 F7 : Load Setup Defaults	: Modify
No	Disable software	APM function.	1

Suspend Mode

The default value is Disable.

Disabled	Disable Suspend Mode.
1 min - 1 Hour	Setup the timer to enter Suspend Mode.

HDD Power Down

The default value is Disable.

Disable	Disable HDD Power Down mode function.
1-15 mins.	Enable HDD Power Down mode between 1 to 15 mins.

Suspend Mode Option

The default value is PowerOn Suspend

PowerOn Suspend	Set the system to PowerOn Suspend mode
Suspend to Disk	Set the system to Suspend to Disk mode

VGA Active Monitor

The default value is Disabled.

Disabled	Disable monitor VGA activity.
Enabled	Enable monitor VGA activity.

• Soft-off by PWR-BTTN

The default value is Instant-Off.

Instant-off	Soft switch ON/OFF for POWER ON/OFF
Delay 4 Sec.	Soft switch ON 4sec. for POWER OFF.

Resume by Alarm

The default value is Disabled.

Disabled	Disable this function.
Enabled	Enable alarm function to POWER ON system.

If the default value is Enabled.

Date ( of Month) Alarm :	0~31
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Time ( hh: mm: ss) Alarm : (0~23)	: (0~59) : (0~59)
-----------------------------------	-------------------

• IRQ [3-7,9-15], NMI

The default value is Enabled.

Disabled	Disable this function.
Enabled	Enable monitor IRQ [3-7,9-15] for Green event.

• Primary IDE 0 / 1

The default value is Disabled.

Disabled	Disable this function.
Enabled	Enable monitor Primary IDE 0 / 1 for Green event.

• Secondary IDE 0 / 1

The default value is Disabled.

Disabled	Disable this function.
Enabled	Enable monitor Secondary IDE 0 / 1 for Green event.

Floppy Disk

The default value is Enabled.

Disabled	Disable this function.
Enabled	Enable monitor Floppy Disk for Green event.

Serial Port

The default value is Enabled.

Disabled	Disable this function.
Enabled	Enable monitor Serial Port for Green event.

Parallel Port

The default value is Disabled.

Disabled	Disable this function.
Enabled	Enable monitor Parallel Port for Green event.

PMP/PCI COM	BIOS (2A69JGON) (FIGURATION WARE, INC.
PMP 05 Installed : No Resources Controlled By : Manual Reset Configuration Data : Disabled	Used MEM base addr : N/A *Used MEM Length : 8K Assign IRQ For USB : Enabled
IRQ-3 assigned to : Legacy ISA IRQ-4 assigned to : Legacy ISA IRQ-5 assigned to : PCI/ISA PnP IRQ-7 assigned to : PCI/ISA PnP IRQ-9 assigned to : PCI/ISA PnP IRQ-10 assigned to : PCI/ISA PnP IRQ-11 assigned to : PCI/ISA PnP IRQ-12 assigned to : Legacy ISA IRQ-14 assigned to : Legacy ISA IRQ-15 assigned to : Legacy ISA IRQ-15 assigned to : Legacy ISA	
DMA-1 assigned to : PCI/ISA PnP DMA-3 assigned to : PCI/ISA PnP DMA-5 assigned to : PCI/ISA PnP DMA-6 assigned to : PCI/ISA PnP DMA-7 assigned to : PCI/ISA PnP	ESC : Quit +1++ : Select Item F1 : Help PU/PD/+/- : Modify F5 : Old Values (Shift)F2 : Color F7 : Load Setup Defaults DMA
· · · · · · · · · · · · · · · · · · ·	by legacy ISA DEVICE.

• Reset Configuration Data

The default value is Disabled.

Disabled	Disable this function.
Enabled	Enable clear PnP information in ESCD.

• IRQ (3,4,5,7,9,10,11,12,14,15), DMA(0,1,3,5,6,7) assigned to

The default value is "Legacy ISA" or "PCI/ISA PnP".

Legacy ISA	The resource is used by Legacy ISA device.
PCI/ISA PnP	The resource is used by PCI/ISA PnP device (PCI or ISA).

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• Used MEM base addr

The default value is N/A.

N/A	Disable the MEM. block using.
C800 ~ DC00	Select the MEM. block starting address.

Used MEM Length

The default value is 8K.

8K ~ 64K	Select the MEM. block size.
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Assign IRQ For USB

The default value is Enabled.

Enabled	Assign a specific IRQ for USB
Disabled	No IRQ is assigned for USB

**BIOS Configuation** 

		ROM PCI/ISA I INTEGRATED I AWARD SOFT			
IDE HDD Block Mode : Enabled IDE Primary Master PIO : Auto IDE Primary Slave PIO : Auto IDE Secondary Master PIO : Auto IDE Secondary Slave PIO : Auto IDE Primary Master UDMA : Auto IDE Primary Master UDMA : Auto IDE Secondary Master UDMA: Auto IDE Secondary Slave UDMA: Auto IDE Secondary Slave UDMA: Auto On-Chip Frimary PCI IDE: Enabled On-Chip Secondary PCI IDE: Enabled USB Keyboard Support : Disabled Onboard FDC Controller : Enabled Onboard Serial Port 1 : 378/IRQ4		P3/2 Mouse Power On Keyboard Power On ¥KB Power On Multikey	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	xted.	
Onboard				D/+/- : Modify ift)F2 : Color	
		mode.			sing
	Mode0~4	Manually set t	he IDE Accessing mo	ode.	

• IDE Primary Slave PIO (for onboard IDE 1st channel).

The default value is Auto.

Auto	BIOS will automatically detect the IDE HDD Accessing
	mode.
Mode0~4	Manually set the IDE Accessing mode.

• IDE Secondary Master PIO (for onboard IDE 2nd channel).

The default value is Auto.

Auto	BIOS will automatically detect the IDE HDD Accessing mode.
Mode0~4	Manually set the IDE Accessing mode.

• IDE Secondary Slave PIO (for onboard IDE 2nd channel).

The default value is Auto.

Auto	BIOS will automatically detect the IDE HDD Accessing mode.
Mode0~4	Manually set the IDE Accessing mode.

• IDE Primary Master UDMA.

The default value is Auto.

Auto	BIOS will automatically detect the IDE HDD Accessing
	mode.
Disabled	Disable UDMA function.

• IDE Primary Slave UDMA.

The default value is Auto.

Auto	BIOS will automatically detect the IDE HDD Accessing mode.
Disabled	Disable UDMA function.

#### • IDE Secondary Master UDMA.

The default value is Auto.

Auto	BIOS will automatically detect the IDE HDD Accessing
	mode.
Disabled	Disable UDMA function.

IDE Secondary Slave UDMA.

The default value is Auto.

Auto	BIOS will automatically detect the IDE HDD Accessing
	mode.
Disabled	Disable UDMA function.

On-Chip Primary PCI IDE

The default value is Enabled.

Enabled	Enable onboard 1st channel IDE port.
Disabled	Disable onboard 1st channel IDE port.

On-Chip Secondary PCI IDE

The default value is Enabled.

Enabled	Enable onboard 2nd channel IDE port.
Disabled	Disable onboard 2nd channel IDE port.

USB Keyboard Support

The default value is Disabled.

Enabled	Enable USB Keyboard Support.
Disabled	Disable USB Keyboard Support.

Onboard FDC Controller

The default value is Enabled.

Enabled	Enable onboard FDD port.
Disabled	Disable onboard FDD port.

Onboard Serial Port 1

The default value is 3F8/IRQ4.

Auto	BIOS will automatically setup the port 1 address.
3F8/IRQ4	Enable onboard Serial port 1 and address is 3F8.
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.

Onboard Serial Port 2

The default value is 2F8/IRQ3.

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.
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.

Onboard Parallel port

The default value is 378/IRQ7.

378/IRQ7	Enable onboard LPT port and address is 378/IRQ7.
278/IRQ5	Enable onboard LPT port and address is 278/IRQ5.
Disabled	Disable onboard LPT port.
3BC/IRQ7	Enable onboard LPT port and address is 3BC/IRQ7.

Parallel Port Mode

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The default value is SPP.

SPP	Using Parallel port as Standard Printer Port.
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.

• PS/2 Mouse Power on

The default value is Disabled.

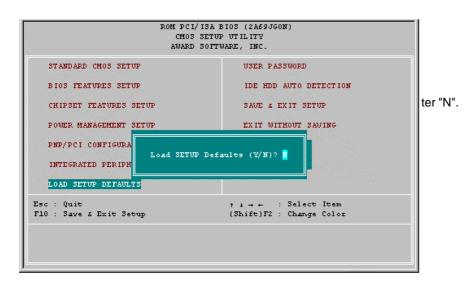
Disabled	Disable PS/2 Mouse Power on .
DblClick	Click twice on PS/2 mouse any button to Power on system.

Keyboard Power on

The default value is Disabled.

Disabled	Disable Keyboard Power on .
Multikey	Enter multikey combination to Power on system.

you can choose to power on your system by entering password and then pressing the ENTER key from your keyboard.



BIOS	Configuation
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#### 4.12. USER PASSWORD

When you select this function, the following message will appear at the center



			IDE HD	D AUI	BIOS (23 TO DECETI WARE, IN	ION	•			
HARD D: 	ISKS	TYPE	SIZ	E (	YLS HEAI	PRECO	MP LAND:	SECTOR	MODE	
			ct Primar	y Maste	r Option (N	≔Skip):	и			isk cylir R mode
	OPTION	3 I Z E	CYLS	HE AD	PRECOMP	LANDZ	SECTOR	MODE		
	1 (Y)	521	530	32	0	1059	63	LBA		
	1 (V) 2	521 521		32 16	0 65535	1059 1059		LBA NORMAL		

6EX

CM03	/ISA BIOS (2A69JGON) SETUP UTILITY SOFTWARE, INC.	
STANDARD CMOS SETUP BIOS FEATURES SETUP CHIPSET FEATURES SETUP POWER MANAGEMENT SETUP PNP/PCI CONFIGURA	USER PASSWORD IDE HDD AUTO DETECTION SAVE & EXIT SETUP EXIT WITHOUT SAVING	СМО
INTEGRATED PERIPH LOAD SETUP DEFAULTS Esc : Quit F10 : Save & Exit Setup	† ↓ → ← : Select Item (Shift)F2 : Change Color	

**BIOS Configuation** 

CM03	ISA BIOS (2A69JGON) SETUP UTILITY SOFTWARE, INC.
STANDARD CMOS SETUP BIOS FEATURES SETUP CHIPSET FEATURES SETUP POWER MANAGEMENT SETUP PMP/PCI CONFIGURA INTEGRATED PERIPH LOAD SETUP DEFAULTS	USER PASSWORD IDE HDD AUTO DETECTION SAVE & EXIT SETUP EXIT WITHOUT SAVING
Sac : Quit FlO : Save & Exit Setup	t ↓ → ← : Select Item (Shift)F2 : Change Color

#### FCC Compliance Statement:

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

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

-Reorient or relocate the receiving antenna

-Move the equipment away from the receiver

-Plug the equipment into an outlet on a circuit different from that to which the receiver is connected

-Consult the dealer or an experienced radio/television technician for additional suggestions

You are cautioned that any change or modifications to the equipment not expressly approve by the party responsible for compliance could void Your authority to operate such equipment.

This device complies with Part 15 of the FCC Rules. Operation is subjected to the following two conditions 1) this device may not cause harmful interference and 2) this device must accept any interference received, including interference that may cause undesired operation.

# 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-6EX

## 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* ⊠ EN60555-2	Disturbances in supply systems caused by household appliances and similar electrical equipment "Harmonics"				
EN55013	Limits and methods of measurement of radio disturbance characteristics of broadcast receivers and associated equipment	EN61000-3-3* EN60555-3	Disturbances in supply systems caused 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	I 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 immunity 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 <b>distribution</b> from sound and television signals	□ EN 50091-2	EMC requirements for uninterruptible power systems (UPS)				
CE marking		(EC conformi	ty 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	Safety for information technology equipment including electrical business equipment				
EN 60335	Safety of household and similar electrical appliances	EN 50091-1	General and Safety requirements for uninterruptible power systems (UPS)				
Manufacturer/Importer							
			Signature : Rex Lin				
	(Stamp)	Date : Apr. 02, 1998	Name : <u>Rex Lin</u>				