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Chapter 1

Motherboard Feature

SPECIFICATIONS

System Chipset	Cyrix Cx5530, AT compatibility logic
CPU Clock	Cyrix Media Gxm Processor speed up to 300 MHz 16KByte unified L1 cache
Clock Generator	MicroClock MK1491-06, support power down mode and PCI clock stop mode
Memory Subsystem	2 x 168 pin DIMM modules support SDRAM, up to 256MB
Integrated I / O	NS97317 Super I/O Chipset Built-in RTC(Real-Time Clock) and Keyboard Controller
BIOS	2M bits Flash ROM Award PCI BIOS with Green ,Plug & Play Feature
Expansion slot	3 x 32-bit PCI slots & 2 x 16-bit ISA slots 2 x Bus Master IDE port support 4 IDE devices 1 x Floppy port support 2 floppy devices 2 x 168 pin DIMM modules Sockets
On-Board VGA and Audio	Cyrix XpressGraphic Video using VSA Technology Video controller with 2D graphics acceleration for BitBLTs. MPEG 1 hardware accelerator Display Resolution 640 x 480 256/16-bit High Color 60Hz 800 x 600 256/16-bit High Color 60Hz 1024 x 768 256/16-bit High Color 60Hz 1280 x 1024 256 Color 60Hz Cyrix XpressAudio, Sound Blaster compatible Virtual Audio, 16 bit industry standard AC97 compliant Audio Codec Stereo Amplifier (Output power 250mW for each channel)

EXTRA Function	PC98 compliant Power Management Supporting Compatible with PnP requirement Compliant with ACPI spec Rev 1.0
External Connectors	1 x IrDA Port (IrDA 1.0-SIR/ on UART 2) 1 x Parallel Port Connect Support ECP/EPP/SPP mode 2 x PS/2 Port for PS/2 Keyboard and Mouse 2 x USB Ports with Open HCI compliant 2 x High Speed Serial Port (COM2 have to connect through a loop-back cable) 1 x Line-Out, 1 x Line-In, 1x Microphone connector 1 x VGA connector 1 x Game Port
Dimension	Micro ATX size 244mm(L) x 244mm(w) x 4 layers PCB

What is B598 Motherboard?

With the availability of new IC packing technology, Cyrix Cx5530 which provides highly efficient bus transaction, highly concurrent architecture, USB, PS/2 KBC, 2 channel dedicated Ultra-33 IDE Master, with the best power management, ACPI and Super I/O.

The Cyrix Cx5530 consists only one chip which give the 586 class system a complete solution with the most up-to-date features and architecture for the new multimedia/multithreading OS.

Cyrix Cx5530 provides a highly integrated system solution and a most up-to-date architecture, flexible 32/64-bit memory bus and concurrent multi-bus with highly efficient, deep FIFO between the buses, such as the HOST/PCI/ISA/IDE bus.

B598 only supports Cyrix Media GXm CPUs but it has perfect performance when you use the Cyrix Media GXm CPU.

PACKAGING CHECK LIST

The motherboard comes securely packed in a durable box and shipping carton. If any of the above items are missing or damaged , please contact your supplier.

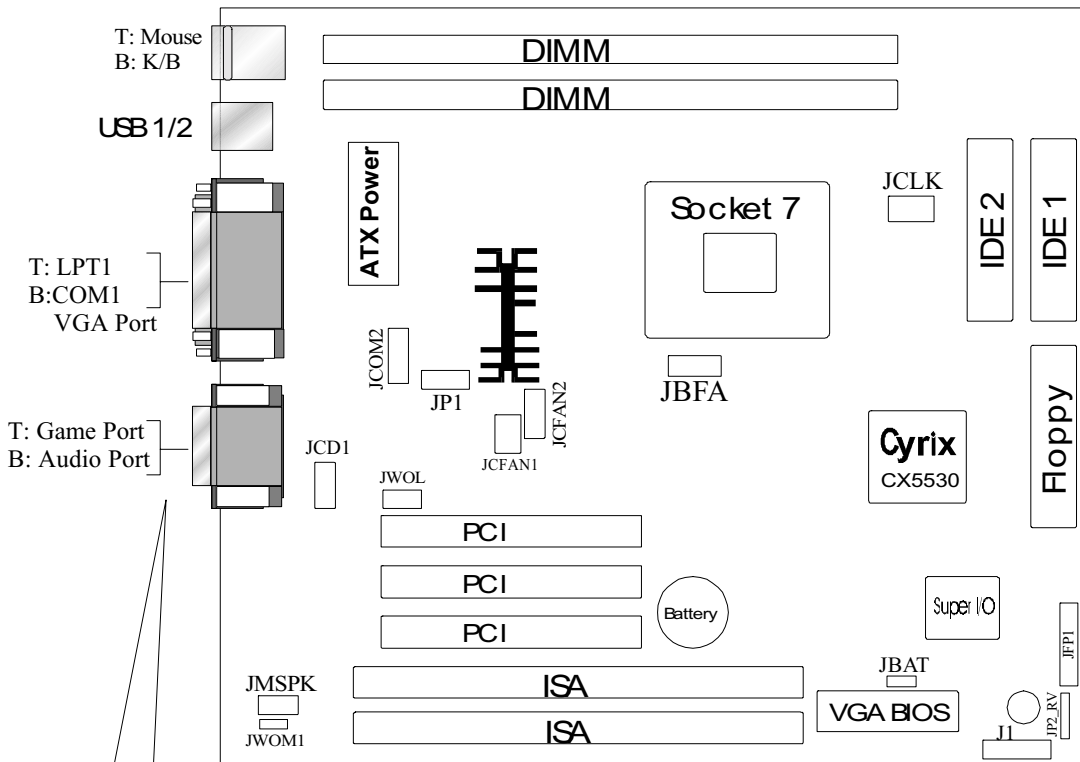
The motherboard contains:

Q' TY	Description
1	motherboard : B598
1	Driver : Driver for Audio & Video
1	Cable : Enhanced IDE connector
1	Cable : F.D.D connector
1	Manual : User' s manual
1	Cable : COM2 Cable

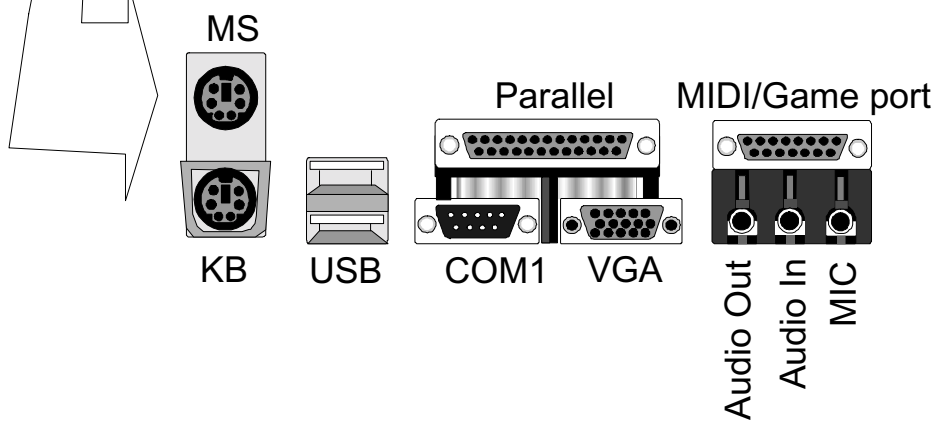
Chapter 2

SETUP GUIDE

B598 Motherboard Layout Drawing



Connector Front View



JUMPER & CONNECTOR SETTING

Connector Setting

JBAT - CMOS RAM operation mode

Shorted	Function	Remark
1-2	Normal operating	Default setting
2-3	Clear CMOS RAM	Removed VCC5VSB

J1 - External speaker for PC-BEEP

Pin	Function	Remark
1-2	On board beeper	Default
Remove short-cap insert speaker connector	External speaker	

JCD1 - Audio CD output connector

Pin	Function	Remark
1	Channel Right	
2	CD Ground	
3	Channel Left	
4	CD Ground	

JCOM2 - COM2

UART2 is shared by COM2, MIDI and SIR. To select COM2 item in BIOS set-up menu while system boot-up

Pin	Signal name	Pin	Signal name
1	DCD	2	RXD
3	TXD	4	DTR
5	GND	6	DSR
7	RTS	8	CTS
9	RI	10	NC

JFP1 - MicroATX front end connector

Pin	Signal name	Pin	Signal name
1	HDD LED Anode (+)	2	PWR_SUSP LED Anode (+)
3	HDD LED Cathode (-)	4	PRW_SUSP LED Cathode (-)
5	Reset switch (GND)	6	PWR_ON switch
7	Reset switch	8	PWR_ON switch (GND)
9	+5V	10	Suspend switch
11	IRRX	12	Suspend switch (GND)
13	GND	14	KEY
15	IRTX	16	+5V
17	Reserved	18	Reserved

JWOL - WOL connector for Wake-On-LAN

Pin	Signal name	Remark
1	VCC5VSB	
2	GND	
3	PMEX	

JWOM - Wake on MODEM card

Pin	Signal name	Remark
1	Modem card ring-in	Photo coupler type
2	GND	

JMSPK - Modem card speaker connector

Pin	Signal name	Remark
1	Microphone input (MICIN)	
2	GND	
3	GND	
4	Modem speaker (MSPK)	

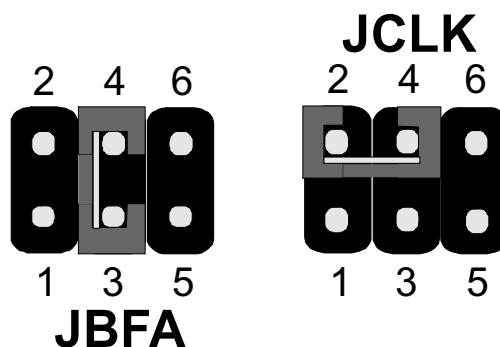
Pin	Name	Description
1 - 3	HDD_LED	HDD LED
5 - 7	Reset	Reset switch
9 - 15	IRTX	IRTX
2 - 4	PWR_SUSP LED	Power Suspend LED
6 - 8	PWR_ON	Power Button
10 - 12	Suspend	Suspend switch

CPU TYPE Select

This motherboard is only designed for Cyrix CPU, and you will get high performance in it!

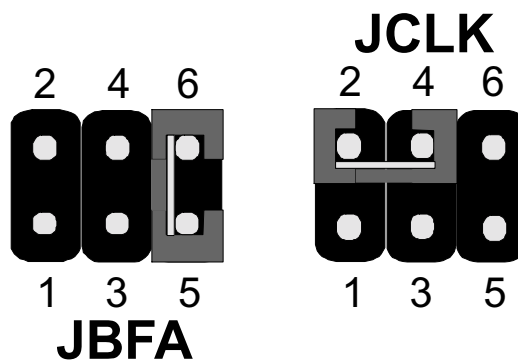
1. Gxm 200MHz

CPU speed	JCLK	JBFA
Gxm 200MHz	2-4	3-4



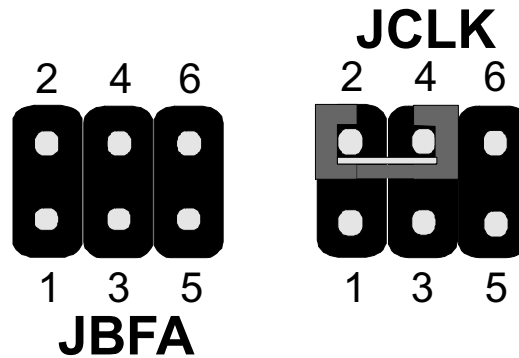
Gxm 233MHz

CPU speed	JCLK	JBFA
Gxm 233MHz	2-4	5-6



2. Gxm 266MHz

CPU speed	JCLK	JBFA
Gxm 266MHz	2-4	None



CPU TYPE SELECT LIST

Combination of JCLK and JBFA for Cyrix Mwdia GX CPU speed setting

CPU speed	JCLK	JBFA
Gxm 200MHz	2-4	3-4
Gxm 233MHz	2-4	5-6
Gxm 266MHz	2-4	None

JBFA – Gxm CPU clock-multiple mode selection

Shorted	Function	Remark
1-2, 3-4, 5-6	4x	Test Only
1-2	5x	
3-4	6x	
5-6	7x	
None	8x	
1-2, 5-6	9x	
1-2, 3-4	10x	
3-4, 5-6	Reserved	

JCLK – Bus frequency selection

Shorted	Function	Remark
1-3, 2-4	Reserved	
1-3, 4-6	Reserved	
2-4	33MHz	
4-6	30MHz	
3-5, 2-4	Reserved	
3-5, 4-6	Tristate all clocks	

JP1 – Gxm CPU V-core voltage selection

Shorted	Function	Remark
None	Shutdown	
1-2	2.1 V	
3-4	2.3 V	
1-2, 3-4	2.3 V	
5-6	2.4 V	
1-2, 5-6	2.5 V	
3-4, 5-6	2.6 V	
1-2, 3-4, 5-6	2.7 V	
7-8	2.8 V	
1-2, 7-8	2.9 V	Default setting
3-4, 7-8	3.0 V	
1-2, 3-4, 7-8	3.1 V	
5-6, 7-8	3.2 V	
1-2, 5-6, 7-8	3.3 V	
3-4, 5-6, 7-8	3.4 V	
1-2, 3-4, 5-6, 7-8	3.5 V	

FAN CONNECTOR**JCFAN1,JCFAN2 – CPU fan connector****JCFAN1:**

Pin	Function	Remark
2	Fan positive	No key protection
1,3	Fan negative	

JCFAN2:

Pin	Function	Remark
1,4	Fan positive	With holder
2,3	Fan negative	

MEMORY INSTALLATION

No jumper setting is necessary for DRAM setting, BIOS will check DRAM type and size automatically. B598 motherboard contains 2 by 168-pin DIMM sockets(DIMM1,DIMM2). B598 motherboard has table-free (or auto-bank) feature and user can install DIMM into any bank. The Two DIMMs Sockets for system memory expansion from 8MB to 256 MB. Each bank provides 64-bit wide data path.

NOTE: Samples of System Memory Combinations Options

DIMM1	DIMM2	TOTAL
8MB	---	8MBytes
---	8MB	8MBytes
8MB	8MB	16MBytes
16MB	---	16MBytes
---	16MB	16MBytes
16MB	8MB	24MBytes
8MB	16MB	24MBytes
16MB	16MB	32MBytes
---	32MB	32MBytes
32MB	---	32MBytes
32MB	32MB	64MBytes
64MB	---	64MBytes
64MB	64MB	128MBytes
:	:	:
:	:	:
128MB	128MB	256MBytes

Chapter 3

AWARD BIOS SETUP

Award BIOS ROM has a built-in Setup program that allows users to modify the basic system configuration. This type information is stored in battery-backed RAM so that it retains the Setup information when the power is turned off.

ENTERING SETUP

Power on the computer and press immediately will allow you to enter Setup. The other way to enter Setup is to power on the computer, when the below message appears briefly at the bottom of the screen during the POST (Power On Self Test), press key or simultaneously press <Ctrl>, <Alt>, and <Esc> keys.

TO ENTER SETUP BEFORE BOOT PRESS CTRL-ALT-ESC OR DEL KEY

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" button on the system case. You may also restart by simultaneously press <Ctrl>, <Alt> and keys. If you do not press the keys at the correct time and the system does not boot, an error message will be displayed and you will again be asked to,

PRESS F1 TO CONTINUE, CTRL-ALT-ESC OR DEL TO ENTER SETUP

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 to save changes to 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 Setup Menu
F2 Key	Change color from total 16 colors
F3 Key	Calendar, only for Status Page Setup Menu
F4 Key	Reserved
F5 Key	Restore the previous CMOS value from BIOS, 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

Getting Help

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

Once you enter Award BIOS CMOS Setup Utility, the Main Menu will appear on the Screen.. Use arrow keys to select among the items and press to accept or enter the **sub-menu**.

ROM PC/ISA BIOS (2A434PNA)
CMOS SETUP UTILITY
AWARD SOFTWARE, INC.

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

Standard CMOS Setup

This setup page includes all the items in a 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 menu provides functions for Green products by allowing users to set the timeout value for monitor and HDD.

PNP / PCI CONFIGURATION SETUP

This menu allows the user to modify PNP / PCI configuration function.

Load BIOS Defaults

BIOS defaults indicates the most appropriate value of the system parameter which the system would be in minimum performance.

Load Setup Defaults

Chipset defaults indicates the values required by the system for the maximum performance.

INTEGRATED PERIPHERALS

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

Supervisor / User Password Setting

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.

HDD Low Level Format

If supported by your system, this provides a hard disk low level format utility.

Save & Exit Setup

Save CMOS value changes to CMOS and exit setup.

Exit Without Saving

Abandon all CMOS value changes and exit setup.

Standard CMOS Setup

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

ROM PCI/ISA BIOS (2A434PN9)									
STANDARD CMOS SETUP									
AWARD SOFTWARE, INC.									
Date (mm:dd:yy) : Wed, Dec 28 1994									
Time (hh:mm:ss) : 12:35:50									
HARD DISKS	TYPE	SIZE	CYLS	HEAD	PRECOMP	LANDZ	SECTOR	MODE	
Primary Master	: Auto	0	0	0	0	0	0	----	
Primary Slave	: Auto	0	0	0	0	0	0	----	
Secondary Master	: Auto	0	0	0	0	0	0	----	
Secondary Slave	: Auto	0	0	0	0	0	0	----	
Drive A : 1.44M, 3.5 in.						Base Memory : 640K Extended Memory : 7168K Other Memory : 384K Total Memory : 8192K			
Drive B : None									
Video : EGA/VGA									
Halt On : All Errors									
ESC : Quit					↑↓→← : Select Item			PU/PD/+/-:Modify	
F1 : Help					(Shift) F2 : Change Color				

BIOS Features Setup

ROM PCI/ISA BIOS (2A434PN9)
 BIOS FEATURE SETUP
 AWARD SOFTWARE, INC

Virus Warning	: Disabled	Video BIOS Shadow	: Enabled
CPU Internal Cache	: Enabled	C8000-CBFFF Shadow	: Disabled
Quick Power On Self Test	: Disabled	CC000-CFFFF Shadow	: Disabled
Boot Sequence	: A, C ,SCSI	D0000-D3FFF Shadow	: Disabled
Swap Floppy Drive	: Disabled	D4000-D7FFF Shadow	: Disabled
Boot Up Floppy Seek	: Enabled	D8000-DBFFF Shadow	: Disabled
Boot Up NumLock Status	: On	DC000-DFFFF Shadow	: Disabled
Boot Up System Speed	: High		
Gate A20 Option	: Fast		
Memory Parity Check	: Enabled		
Typematic Rate Setting	: Disabled		
Typematic Rate (Chars/Sec)	: 6		
Typematic Delay (Msec)	: 250		
Security Option	: Setup		
PCI/VGA Palette Snoop	: Disabled	Esc : Quit	↑↓→← : Selection Item
OS Select For DRAM > 64MB	: Non-OS2	F1 : Help	PU/PD/+/- : Modify
Report No FDD For WIN95	: No	F5 : Old Values (Shift) F2 : Color	
		F6 : Load BIOS Default	
		F7 : Load Setup Default	

Virus Warning

This category flashes on the screen. During and after system boots up, any attempt to write to the boot sector or partition table of the hard disk drive will halt the system and the following error message will appear, in the mean time , you can run anti-virus programs to locate the problem.

!WARNING!
Disk boot sector is to be modified
Type "Y" to accept write or "N" to abort write
Award Software, Inc.

Enabled Activate automatically when the system boots up causing a warning message to appear when anything attempts to access the boot sector or hard disk partition table.

Disabled No warning message to appear when anything attempt to access the boot sector or hard disk partition table.

CPU Internal Cache/External Cache

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

Enabled: Enabled cache

Disabled: Disabled cache

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.

Enabled: Enable quick POST

Disabled: Normal POST

Boot Sequence

This category determines which drive computer searches first for the hard disk operation system (i.e., DOS).

A, C,SCSI: System will first search for floppy disk drive then second search hard disk driver, then SCSI driver.

C,A,SCSI/ D,A,SCSI/ E,A,SCSI/ F,A,SCSI:

System will first search for IDE hard disk driver (C: D: or E: or F:) then second search floppy disk driver then SCSI hard disk driver.

SCSI,A,C: System will first search SCSI hard disk driver then second search for floppy disk driver then IDE hard disk driver.

CDROM,C,A:

System will first search for the CDROM driver (If the CDROM has a bootable CD title.)and second search hard disk driver then floppy disk driver .

C,CDROM,A:

System will first search for the hard disk driver and second search for CDROM driver (If the CDROM has a bootable CD title,) then search floppy disk driver.

LS120,C: System will first search LS120 disk driver and second search for IDE hard disk driver.

Swap Floppy Drive

Users can enable this item so that the BIOS will see the hardware "Drive A:" as "Drive B:", and hardware "Drive B:" as "Drive A:".

Boot Up Floppy Seek

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

Enabled: BIOS searches for floppy disk drive to determine if it is 40 or 80 tracks. Note that BIOS can not tell from 720K, 1.2M or 1.44M 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 360K.

Boot Up NumLock Status

The default value is On.

On: Keypad is number keys

Off: Keypad is arrow keys

Boot Up System Speed

It selects the default system speed - the speed that the system will run at immediately after power up.

High: Set the speed to high

Low: Set the speed to low

Gate A20 Option

The Gate A20 Option default setting is fast.”. This is the optimum setting for this motherboard.

Typematic Rate Setting

This determines the typematic rate.

Enabled: Enable typematic rate

Disabled: Disable typematic rate

Typematic Rate (Chars/Sec)

6 : 6 characters per second

8 : 8 characters per second

10 : 10 characters per second

12 : 12 characters per second

15 : 15 characters per second

- 20** : 20 characters per second
- 24** : 24 characters per second
- 30** : 30 characters per second

Typematic Delay (Msec)

When holding the a key, the time between the first and second character will be displayed.

- 250** : 250 msec
- 500** : 500 msec
- 750** : 750 msec
- 1000** : 1000 msec

Security Option

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

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

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

Video BIOS Shadow

It determines whether video BIOS will be copied to RAM, however, it is optional from chipset design. Video shadow will increase the video speed.

Enabled: Video shadow is enabled

Disabled: Video shadow is disabled

C8000-CBFFF Shadow/DC000-DFFFF Shadow

These categories determine whether optional ROM will be copied to RAM by 16K byte.

Enabled: Optional shadow is enabled

Disabled: Optional shadow is disabled

Chipset Features Setup

ROM PCI/ISA BIOS (2A434PN9)
 CHIPSET FEATURE SETUP
 AWARD SOFTWARE, INC

SDRAM CAS latency Time	: 3 T	
SDRAM Clock Ratio Div By	: 4	
16-bit I/O Recovery (CLK)	: 5	
8-bit I/O Recovery (CLK)	: 5	
USB Controller	: Disabled	
		Esc : Quit ↑↓→← : Selection Item F1 : Help PU/PD/+/- : Modify F5 : Old Values (Shift) F2 : Color F6 : Load BIOS Default F7 : Load Setup Default

This setup menu is optimized for this mainboard by your computer vendor. Unless you are a qualified engineer & know the items, functions you are going to modify. We do not recommend you to change the default setting.

USB Controller

Set USB Controller to “Enabled” if you want use any USB devices.

Power Management

ROM PCI/ISA BIOS (2A434PN9)
POWER MANAGEMENT SETUP
AWARD SOFTWARE, INC.

Power Management	: User Define	IRQ1 (KeyBoard)	: ON
		IRQ3 (COM 2)	: ON
		IRQ4 (COM 1)	: ON
** PM Timers **		IRQ5 (LPT 1)	: OFF
Doze Mode	: Disabled	IRQ6 (Floppy Disk)	: OFF
Standby Mode	: Disabled	IRQ7 (LPT 1)	: OFF
HDD Power Down	: Disabled	IRQ9 (IRQ2 Redir)	: OFF
MODEM Use IRQ	: NA	IRQ10 (Reserved)	: OFF
		IRQ11 (Reserved)	: OFF
Throttle Duty Cycle	: 33.3 %	IRQ12 (PS/2 Mouse)	: OFF
		IRQ13 (Coprocessor)	: OFF
RING POWER ON Controller	: Enabled	IRQ14 (Hard Disk)	: OFF
Net POWER ON Controller	: Disabled	IRQ15 (Reserved)	: OFF
RTC Alram Function	: Disabled		
		ESC: Quit	↑↓→←: Select Item
		F1 : Help	PU / PD / + / - : Modify
		F5 : Old Values	(Shift)F2 : Color
		F6 : Load BIOS Defaults	
		F7 : Load Setup Defaults	

This category determines the power consumption for the system after selecting below items. Default value is Disabled. The following pages tell you the options of each item & describe the meanings of each options.

Note:

Suspend function doesn't work if the Power Management item is set to disabled. Please enable the Power Management item before you can run the suspend mode.

Item	Options	Descriptions
A. Power Management	1. Disable	Global Power Management will be disabled
	2. User Define	Users can configure their own power management
	3. Min Saving	Pre-defined timer values are used such that all timers are in their MAX value
	4. Max Saving	Pre-defined timer values are used such that all timers MIN value

Item	Options	Descriptions
B. HDD Power Down (#) Remark 2	1. Disable	HDD' s motor will not off
	2. 1. Min 2. Min 3. Min 4. Min 5. Min 6. Min 7. Min 8. Min 9. Min 10. Min 11. Min 12. Min 13. Min 14. Min 15. Min	Defines the continuous HDD idle time before the HDD entering power saving mode (motor off)
	3. When Suspend	BIOS will turn the HDD' s motor off when system is in SUSPEND mode
Note: – (2) & (3) can' t be selected at the same time – When HDD is in power saving mode, any access to the HDD will wake the HDD up		

PNP / PCI Configuration Setup

ROM PCI/ISA BIOS(2A434PN9)
PNP/PCI CONFIGURATION
AWARD SOFTWARE, INC.

PNP OS Installed	: No	PCI IRQ Activated By	: Level
Resources Contorlled By	: Manual		
Reset Configuration Data	: Disabled	Used MEM base addr	: N/A
IRQ-3 assigned to	: PCI/ISA PnP		
IRQ-4 assigned to	: PCI/ISA PnP		
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	: PCI/ISA PnP		
IRQ-14 assigned to	: PCI/ISA PnP		
IRQ-15 assigned to	: PCI/ISA PnP		
IRQ-0 assigned to	: PCI/ISA PnP		
IRQ-3 assigned to	: PCI/ISA PnP	ESC: Quit	↑↓→←: Select Item
IRQ-5 assigned to	: PCI/ISA PnP	F1 : Help	PU / PD / + / - : Modify
IRQ-6 assigned to	: PCI/ISA PnP	F5 : Old Values	(Shift)F2 : Color
IRQ-7 assigned to	: PCI/ISA PnP	F6 : Load BIOS Defaults	
		F7 : Load Setup Defaults	

This category determines the IRQ resources for the system. You can select the items according your system environment. Default value is “Resources Controlled By Auto”.

INTEGRATED PERIPHERALS

ROM PC/ISA BIOS(2A434PN9)
INTEGRATED PERIPHERALS
AWARD SOFTWARE, INC.

IDE HDD Block Mode	: Disable		
Primary IDE Channel	: Enabled		
Master Driver PIO Mode	: Auto	Build in CPU Audio	: SB 16
Slave Driver PIO Mode	: Auto	Audio I/O Base Address	: 220H
Secondary IDE Channel	: Enabled	MPU-401 I/O Base Address	: 330H
Master Driver PIO Mode	: Auto	Audio IRQ Select	: IRQ 5
Slave Driver PIO Mode	: Auto	Audio Low DMA Select	: DMA 1
		Audio High DMA Select	: DMA 5
IDE Primary Master UDMA	: Disabled	Joystick Status	: Enabled
IDE Primary Slave UDMA	: Disabled		
IDE Secondary Master UDMA	: Disabled	Multiple Monitor Support	: PCI First
IDE Secondary Slave UDMA	: Disabled		
		Video Memory Size	: 2.5 M
KBC input clock	: 8 MHz	Esc : Quit	↑↓→← : Selection Item
Onboard FDC Controller	: Enabled	F1 : Help	PU/PD/+/- : Modify
Onboard Serial Port 2	: Auto	F5 : Old Values	(Shift) F2 : Color
UR2 Mode	: Standard	F6 : Load BIOS Default	
Onboard Parallel Port	: 378/IRQ7	F7 : Load Setup Default	
Parallel Port Mode	: SPP		

This setup menu is optimized for this motherboard by your computer vendor. Unless you are a qualified engineer & know the items, function you are going to modify. We do not recommend you to change the default setting.

Load BIOS Default

When you access "Load BIOS Default", the following message appears:

Load BIOS Default (Y/N) ?N

The BIOS Default values are the "worst case" default, and are the most stable values for the system. Use them if the system is performing erratically due to hardware problems. To load the BIOS Default values, press <Y> then <Enter>.

Load Setup Default

When you access "Load Setup Default", you are shown the following message:

Load Setup Default (Y/N) ?N

The Setup Default values represent the "best case" default, and should provided optimum system performance. To load the Setup Default values, press <Y> then <Enter>.

Supervisor / User 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.

ENTER PASSWORD

Type the password, up to eight characters, and press <Enter>. The password typed now will clear any previously entered password from CMOS memory. You will be asked to confirm the password. Type the password again and press <Enter>. You may also press <Esc> to abort the selection and not enter a password.

If you select System at Security Option of BIOS Features Setup Menu, you will be prompted for the password everytime the system is rebooted or anytime you try to enter Setup. If you select Setup at Security Option of BIOS Features Setup Menu, you will be prompted only when you try to enter Setup.

IDE HDD Auto Detection

This feature allows you to check all the informations on your hard disk formation. When you access "IDE HDD Auto Detection", the system executes auto detection.

At the prompt, it represents all the informations on your HDD, and you are asked:

Do you accept this drive C: (Y/N) ?

- 1 If you accept the test result, press [Y] then [Enter] and the result is saved, then the system continues to detect another HDD.
- 2 If not, press [N] then [enter] and the system continues to detect another HDD.