# AR-B1675

# VIA Mark CoreFusion 800MHz, Half Size ,On Board SDRAM,VGA,LVDS with One SDRAM SO-DIMM, built in LAN,CF Type-II

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1 Introduction

# 1.1 Specifications:

CPU : Onboard VIA Mark CoreFusion 800MHz CPU.

Chipset : VIA VT82C686B South Bridge

**RAM memory** : Onboard 128M SDRAM and One SDRAM SO-DIMM Socket support to 1 GB/133MHz.

Display Controller: MARK integrated ProSavage 4 3D/2D Graphic Controller.

Ultra DMA 133 IDE Interface : One PCI Enhance IDE channel.

**CompactFlash<sup>™</sup> interface** : Supports CompactFlash<sup>™</sup> Type II socket for Compact Flash Disk or IBM Micro Drive.

Series ports : Two high-speed 16C550 compatible UARTs ports.COM2 can also support RS-422/485.

Parallel Port: IEEE-1284 compliant. Supports SPP/EPP/ECP mode.

**USB port :** Support Four USB 2.0 compatible ports.

Audio Connector: supports Line-in, Line-out, MIC-in.

Digital IO: Supports four digital-in, and four digital-out TTL-level I/O ports.

#### **PS/2 Mouse/Keyboard Connector**

**Watchdog timer** : Time setting form 1 to 4096 second / minute System Reset generate when CPU did not periodically trigger the timer.

**Intel LAN Controller:** 1 ports IEEE 802.3u Auto-Negotiation support for Realtek RTL8100C 10/100BASE-TX Connected to your LAN through RJ45 connector.

Power Consumption : 5V / 2.75A

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Operating Temperature :  $0^{\circ} \sim 60^{\circ} C$ 

Dimension: 122mm(W) X 185mm(L)

# 1.2 What You Have

In addition to this *User's Manual*, the AR-B1675 package includes the following items:

AR-B1675 board Setting Manual Software utility CD Serial port wired cable Audio wired cable PS/2 Mouse& Keyboard interface Y-cable Hard disk drive adapter cable USB port on one bracket cable Parallel port cable

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2 Installation

This chapter describes how to install the AR-B1675. At first, the layout of AR-B1675 is shown, and the unpacking information that you should be careful is described. The jumpers and switches setting for the AR-B1675's configuration

# 2.1 AR-B1675's Layout



**Top Placement** 

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**Bottom Placement** 

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# 2.2 Power Button Setting

#### CN3 : Power Connector

PIN	DESCRIPTION	0
1	12V	0
2	GND	0
3	GND	
4	5V	· · · · •

# ○ ○ □ 1

1 • 2

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4

## PWRON1 : Power Button Connector

Pin	DESCRIPTION
Open	Showdown
Short	Power ON

# HDLED1 : HardDisk LED Connector

Pin	DESCRIPTION	2 ⊚∎11
1	+5V	2
2	HD_LED	

#### RST1 : Reset Button Connector

Pin	DESCRIPTION
Open	Normal
Short	Reset System

#### CN2 : Power ON Pin Header

Pin	DESCRIPTION	1 3
1	5VSB	
2	GND	
3	PS_ON	

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# 2.3 CMOS Reset

#### CMOS1 : CMOS pin header

CMOS1	DESCRIPTION	° 3
1-2	Nc mal Operation	旦1
2-3	Reset CMOS	

# 2.4 Jumper description

## • JP2 : Select CF Master or Slave mode

JP2	DESCRIPTION	2
Short	Master	ļ
Open	Slave	1

# • JP3 : COM1/2 Select RI is 12V/5V or signal

PIN	DESCRIPTION	PIN	DESCRIPTION	
1	12V	2	12V	2 10
3	COM_RI1	4	COM_RI2	
5	5V	6	5V	
7	COM_RI1	8	COM_RI2	الودودوا
9	NRI1	10	NRI2	1 9

#### • J2 : Select COM2 is RS232 or RS422/485

J2	DESCRIPTION	5 1
1-2	RS2: 2	· · ·
3-4	RS422	6 2
5-6	RS485	

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#### • JP1: Select LCD Voltage

JP1	DESCRIPTION
1-2	+3.3\
2-3	+5V

# 13

00

11

### • J1 : Inverter Power Connector

PIN NO.	DESCRIPTION	
1	+12V	° 6
2	+12V	0
3	GND	Ē.
4	BKLTEN	611
5	GND	
6	BKLTCTL	

# • Kb\_key1: Keyboard Lock Connector

JP1	DESCRIPTION	
Short	Norm al	0
Open	Lock	

# Ms\_key1: Mouse Lock Connector

JP1	DESCRIPTION
Short	N rmal
Open	L( ck

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# 3

# Connection

This chapter describes how to connect peripherals, switches and indicators to the AR-B1675 board.

# 3.1 Ultra ATA33 IDE Disk Drive Connector(IDE2)

You can attach two IDE( Integrated Device Electronics) hard disk drives to the AR-B1675 IDE controller.

PIN	DESCRIPTION	PIN	DESCRIPTION	
1	RESET#	2	GROUND	
3	DATA 7	4	DATA 8	
5	DATA 6	6	DATA 9	4 4
7	DATA 5	8	DATA 10	-¥
9	DATA 4	10	DATA 11	
11	DATA 3	12	DATA 12	
13	DATA 2	14	DATA 13	
15	DATA 1	16	DATA 14	눈글
17	DATA 0	18	DATA 15	
19	GROUND	20	N/C	
21	N/C	22	GROUND	
23	IOW#	24	GROUND	
25	IOR#	26	GROUND	
27	N/C	28	BALE	
29	N/C	30	GROUND	33
31	INTERRUPT	32	IOCS16#	
33	SA1	34	N/C	
35	SA0	36	SA2	
37	HDC CS0#	38	HDC CS1#	
39	HDD ACTIVE#	40	GROUND	
41	+5V LOGIC	42	+5V MOTOR	
43	GROUND	44	TYPE	

#### IDE 2 : Secondary IDE Connector (44 Pins)

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# 3.2 Serial Ports(COM2)

The AR-B1675 offers two high speeds NS16C550 compatible UARTs with Read/Receive 16 byte FIFO serial ports.

#### • COM1 : RS-232 Serial port

PIN	DESCRIPTION	PIN	DESCRIPTION
1	NDCD	2	NRX
3	NTX	4	NDTR
5	GND	6	NDSR
7	NRTS	8	NCTS
9	NRIA 12V	10	NC



• COM2: RS-232 with RS-422/485 Serial port(Pin Header)

PIN	DESCRIPTION	PIN	DESCRIPTION
1	NDCD	2	NDSR
3	NSIN	4	NRTS
5	NRIB	6	NCTS
7	NSOUT	8	NRI
9	GND	10	GND
11	TX+	12	TX-
13	RX+	14	RX-



# 3.3 Keyboard / Mouse Connector(MS\_KB1,KB\_MS2)

A PS/2 type connector(MS\_KB1)is for easy connection to a keyboard and PS/2 mouse. The board comes with a Y split PS/2 cable for keyboard and mouse connection.

#### MS\_KB1 : Keyboard Mouse PS2 Port

PIN	DESCRIPTION	PIN	DESCRIPTION
1	KB_DAT	2	MS_DAT
3	GND	4	+5V
5	KB_CLK	6	MS_CLK
7	GND	8	GND



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• KB\_MS1 : Keyboard Mouse JST Port

PIN NO.	DESCRIPTION
1	+12V
2	+12V
3	GND
4	BKLTEN
5	GND
6	BKLTCTL

o
0
10
0
0

# 3.4 USB Port Connector(USB1~4)

The AR-B1675 provides four USB port, four pin header . • USB1/2/3/4: USB Connector(Pin header)

PIN	DESCRIPTION	PIN	DESCRIPTION	]
1	VCC	2	GND	1 = = 2
3	USB-	4	USB+	-E 3,
5	USB+	6	USB-	12-30
7	GND	8	VCC	

# 3.5 Fan Connector (FAN1)

The AR-B1675 provides one connectors for CPU cooling fan.

#### • FAN1: Fan Connector for CPU

PIN NO.	DESCRIPTION	
1	FANSP1	
2	+5V	
3	GNDI	

3		1
٠	٠	

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# 3.6 LAN RJ45 Connector (J4)

AR-B1675 is equipped with built-in 10/100Mbps Ethernet Controller. You can connect it to your LAN through RJ45 LAN connector. The pin assignments are as following:

#### • LAN1 : LAN RJ45 Connector

4						
	PIN NO.	DESCRIPTION	PIN NO.	DESCRIPTION		
	1	TX+	5.	N/C	_	
	2	TX-	6.	RX-	_	
	3.	RX+	7.	N/C	_	
	4.	N/C	8.	N/C		
						8 1

# 3.7 Compact Flash Storage Card Socket(CF1)

The AR-B1675 configures Compact Flash Storage Card in IDE Mode. This type II Socket is compatible with IBM Micro Drive.

## •CF1 : Compact Flash Storage Card Socket pin assignment



PIN	DESCRIPTION	PIN	DESCRIPTION
1	GROUND	26	CARD DETECT1
2	D3	27	D11
3	D4	28	D12
4	D5	29	D13
5	D6	30	D14
6	D7	31	D15
7	CS1#	32	CS3#

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		-	<u>.</u>
8	N/C	33	N/C
9	GROUND	34	IOR#
10	N/C	35	IOW#
11	N/C	36	PULL HIGH
12	N/C	37	IRQ15
13	VCC	38	VCC
14	N/C	39	MASTER/SLAVE
15	N/C	40	N/C
16	N/C	41	RESET#
17	N/C	42	IORDY
18	A2	43	N/C
19	A1	44	PULL HIGH
20	A0	45	ACTIVE#
21	D0	46	PDIAG#
22	D1	47	D8
23	D2	48	D9
24	N/C	49	D10
25	CARD DETECT2	50	GROUND

Note: If IDE2 & CFD1 both in used, CFD1 must be as "Master" & IDE2 is as "Slave".

# 3.8 VGA Connector(VGA1)

The AR-B1675 has a built-in 15-pin VGA connector accepting the CRT monitor

### VGA1 : 15-pin D-Sub Connector

PIN	DESCRIPTION	PIN	DESCRIPTION
1	L_RED	2	L_GREEN
3	L_BLUE	4	MON2PU
5	GND	6	GND
7	GND	8	GND
9	+5V	10	GND
11	MONOPU	12	5VDDCDA
13	HSYNC	14	VSYNC
15	5VDDCCL		



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# 3.9 AUDIO Connector(AUDIO1)

# • AUDIO1 : Audio Pin Header

PIN	DESCRIPTION	PIN	DESCRIPTION	0 1
1	LINE OUT R	2	LINE OUT L	, TEEFE
3	GND	4	GND	
5	LINE IN R	6	LINE IN L	11111
7	MIC IN	8	GND	10 2
9	GND	10	GND	

# 3.10 SDRAM SODIMM Socket (DIMM1)

There are one 144-pin SDRAM DIMM slots to accept 3.3V. The max Memory size is 1GB.



# 3.11 8-BIT GPIO Connector(CN1)

#### CN1: 4 BIT Input/Output GPIO Connector

PIN	DESCRIPTION	PIN	DESCRIPTION
1	GND	2	+5V
3	DIOI0	4	DIOO0
5	DIOI1	6	DIOO1
7	DIOI2	8	DIOO2
9	DIOI3	10	DIOO3

10 ГГ

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# 3.12 Parallel port(LPT1)

This port is usually connected to a printer. The AR-B1675 cludes an on-board parallel port.

• LPT1: Parallel Port Connector

PIN	DESCRIPTION	PIN	DESCRIPTION	
1	STB-	14	AFD-	
2	PD0	15	ERR-	
3	PD1	16	INIT-	13
4	PD2	17	SLIN-	13
5	PD3	18	GND	
6	PD4	19	GND	l it i
7	PD5	20	GND	26
8	PD6	21	GND	20
9	PD7	22	GND	
10	ACK-	23	GND	
11	BUSY	24	GND	
12	PE	25	GND	
13	SLCT	26	Х	

# 

# 3.13 LVDS Connector(LVDS1)

• LVDS1 : LVDS Interface Connector

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PIN	DESCRIPTION	PIN	DESCRIPTION
1	LCDVDD	2	GND
3	TRXEC-	4	TRXEC+
5	GND	6	TRXE2-
7	TRXE2+	8	GND
9	TRXE1-	10	TRXE1+
11	NC	12	NC
13	TRXE0+	14	TRXE0-
15	GND	16	TRXOC+
17	TRXOC-	18	GND
19	TRXO2+	20	TRXO2-
21	NC	22	TRXO1+
23	TRXO1-	24	NC
25	TRXO0+	26	TRXO0-
27	NC	28	NC
29	LCDVDD	30	LCDVDD

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4

# Award BIOS Setup

# **4.1 Introduction**

This chapter discusses the Setup program built into the BIOS. The Setup program allows users to configure the system. This configuration is then stored in battery-backed CMOS RAM so that it retains the Setup information while the power is off.

# 4.2 Starting Setup

The BIOS is immediately active when you turn on the computer. While the BIOS is in control, the Setup program can be activated in one of two ways:

- 1. By pressing <Del> immediately after switching the system on, or
- By pressing the <Del> key when the following message appears briefly at the bottom of the screen during the POST (Power On Self-Test).

### Press DEL 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" button on the system case. You may also restart by simultaneously pressing <Ctrl>, <Alt>, and <Delete> 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, DEL TO ENTER SETUP

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# 4.3 Using Setup

In general, you can use the arrow keys to highlight items, press <Enter> to select, use the PageUp and PageDown keys to change entries, press <F1> for help and press <Esc> to quit. The following table provides more details about how to navigate in the Setup program using the keyboard.

Key	Function	
Up Arrow	Move to the previous item	
Down	Move to the next item	
Arrow		
Left Arrow	Move to the item on the left (menu bar)	
Right Arrow	Move to the item on the right (menu bar)	
Esc	Main Menu: Quit without saving changes	
	Submenus: Exit Current page to the next higher level	
	menu	
Move Enter	Move to the item you desired	
PgUp key	Increase the numeric value or make changes	
PgDn key	Decrease the numeric value or make changes	
+ key	Increase the numeric value or make changes	
- key	Decrease the numeric value or make changes	
Esc key	Exit 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	
F1 key	General help on Setup navigation keys	
F5 key	Load previous values from CMOS	
F6 key	Load the fail-safe defaults from BIOS default table	
F7 key	Load the optimized defaults	
F10 key	Save all the CMOS changes and exit	

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# 4.4 Main Menu

The items in Standard CMOS Setup Menu are divided into 8 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.

Phoen	nix – AwardBIOS CMOS Setup Ut	tility
Main Advanced Power	PnP/PCI Peripherals H/W Mo	onitor Boot Exit
Date (mm:dd:yy)	Wed, Nov 17 1999	Item Help
► TDE Primary Master	10.33.30	Menu Level 🕨
<ul> <li>IDE Primary Slave</li> <li>IDE Secondary Master</li> <li>IDE Secondary Slave</li> </ul>		Change the day, month, year and century
Halt On	[All , But Keyboard]	
Base Memory Extended Memory Total Memory	1K 65535K 512K	
1↓→+:Move Enter:Select F5:Previous Values	+/-/PU/PD:Value F10:Save F6:Fail-Safe Defaults F	ESC:Exit F1:General Help 7:Optimized Defaults

Figure 1: The Main Menu

# Main Menu Selections

Item	Options	DI SCRIPTION
Date	MM DD YYYY	Set the system date.
Time	HH : MM : SS	Set the system time
IDE	Options are in its sub	Press <enter> to enter</enter>
Channel Master	menu	the sub menu of detailed
	(described in Table 3)	options
IDE	Options are in its sub	Press <enter> to enter</enter>
Channel Slave	menu	the sub menu of detailed
	(described in Table 3)	options
Halt On	All Errors	Select the situation in
	No Errors	which you want the BIOS

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	All, but Keyboard	to stop the POST
	All, but Diskette	process and notify you
	All, but Disk/Key	
Base Memory	N/A	Displays the amount of
		conventional memory
		detected during boot up
Extended Memory	N/A	Displays the amount of
		extended memory
		detected during boot up
Total Memory	N/A	Displays the total
		memory available in the
		system

Table 1 Main Menu Selections

### IDE Adapters

The IDE adapters control the hard disk drive. Use a separate sub menu to configure each hard disk drive.

Figure 2 shows the IDE primary master sub menu.

IDE HDD Auto-Detection[Press Enter]

IDE Channel Master[Auto] Access Mode [Auto] Capacity0MB

Cylinder0 Head0 Precomp0 Landing Zone0 Sector0

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Phoenix Main <b>Hann</b>	- AwardBIOS CMOS Setup	Utility
IDE Channel Mas	IDE Channel Master	
IDE HDD Auto-Detection	[Press Enter]	Menu Level 🕨
IDE Channel Master Access Mode	[Auto] [Auto]	To auto-detect the HDD's size, head on
Capacity	Ø MB	this channel
Cylinder Head Precomp Landing Zone Sector	0 0 0 0 0	
↑↓++:Move Enter:Select +/ F5:Previous Values F	-/PU/PD:Value F10:Save 6:Fail-Safe Defaults	ESC:Exit F1:General Help F7:Optimized Defaults

Figure 2 IDE Primary Master sub menu

Use the legend keys to navigate through this menu and exit to the main menu. Use Table 2 to configure the hard disk.

Item	Options	DES CRIPTION
IDE HDD Auto-detection	Press Enter	Press Enter to auto-detect the HDD on this channel. If detection is successful, it fills the remaining fields on this menu.
IDE Channel Master	None Auto Manual	Selecting 'manual' lets you set the remaining fields on this screen. Selects the type of fixed disk. "User Type" will let you select the number of cylinders, heads, etc. Note: PRECOMP=65535

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		means NONE !			
Capacity	Auto Display your disk drive size	Disk drive capacity (Approximated). Note that this size is usually slightly greater than the size of a formatted disk given by a disk checking program.			
Access Mode	CHS LBA Large Auto	Choose the access mode for this hard disk			

Table 2 Hard disk selections

# **4.5 Advanced BIOS Features**

This section allows you to configure your system for basic operation.

Phoenix - AwardBIOS CMOS Setup Utility				
Main Advanced Power PnP/PCI Peripherals H/W	Monitor Boot Exit			
Quick Power On Self Test[Enabled]Full Screen LOGO Show[Disabled]APIC Mode[Disabled]USB Keyboard Support[Disabled]PS/2 Mouse Function[Enabled]Init Display First[PCI Slot]Frame Buffer Size[16M]Select Display Device[CRI]Panel Type[800x600]	Item Help Menu Level ► Allows the system to skip certain tests while booting. This will decrease the time needed to boot the system			
T↓++:Move Enter:Select +/-/PU/PD:Value F10:Sav	e ESU:Exit F1:General Help			
TOTTES TOTAL SALE DELATION	Troprimized Defaults			

Figure 3 Advanced menu

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#### APIC Mode

This item allows use Advanced Programmable Interrupt Controller feature. The Choice: Enabled, Disabled.

#### **Quick Power On Self Test**

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

Enabled	Enable quick POST
Disabled	Normal POST

#### Full Screen LOGO Show

This item allows you to enable or disable show full screen LOGO. The Choice: Enabled, Disabled.

#### USB Keyboard Support

This item allows you to enable or disable USB keyboard support. The Choice: Enabled, Disabled.

#### **PS/2 Mouse Function**

Disabled-prevents any installed PS/2 mouse from functioning but frees up IRQ12.Enabled-allows the operating system to determine whether to enable or disable the mouse. Choice: Enabled, Disabled.

#### Init Display First

This item allows you to choose which Display to be first detected. The Choice: PCI Slot, On Board / AGP.

#### Frame Buffer Size

This item allows you to Choose the Frame Buffer size for Display. The Choice: 1MB, 4MB, 8MB, 16MB, 32MB.

#### Select Display Device

This item allows you to choose display interface.

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The Choice: Vbios default, CRT, CRT + LCD, CRT + LVDS.

#### Panel Type

This item allows you to choose display panel type and resolution. The Choice: 640x480,800x600,1024x768.

# 4.6 PnP/PCI Configuration Setup

Phoenix - AwardBIOS CMOS Setup Utility Main Advanced Power Pr2/PCT Parisherals H/W Manitor Paot Evit				
	ITOI DOOT EXIT			
Reset Configuration Data [Disabled]	Item Help			
Resources Controlled By [Auto(ESCD)] × IRQ Resources × DMA Resources	Menu Level ► Default is Disabled. Select Enabled to reset Extended System Configuration Data ESCD) when you exit Setup if you have installed a new add-on and the system reconfiguration has caused such a serious conflict that the OS cannot boot			
1+++:Move Enter:Select +/-/PU/PD:Value F10:Save E	SC:Exit F1:General Help			
Figure 4 DrD/DCI monu	optimized belouits			
Figure 4 PnP/PCI menu				

#### Resource controlled by

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

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### **IRQ** Resources

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

#### IRQ3/4/5/7/9/10/11/12/assigned to

This item allows you to determine the IRQ assigned to the ISA bus and is not available to any PCI slot. Legacy ISA for devices compliant with the original PC AT bus specification, PCI/ISA PnP for devices compliant with the Plug and Play standard whether designed for PCI or ISA bus architecture.

The Choice: PCI Device, Reserved.

# 4.7 Peripheral

Phoenix - AwardBIOS CMOS Setup Ut: Main Advanced Power PnP/PCI Peripherals H/W Mor	ility nitor Boot Exit		
Onboard Serial Port 1 [3F8/IR04] Onboard Serial Port 2 [Disabled] Onboard Parallel Port [378/IR07] Onboard Parallel Mode [Nerma]	Item Help Menu Level 🔸		
ECP Mode Use DMA [3] Parallel Port EPP Type [EPP1.9]			
OnChip USB Controller [Enabled] OnChip Sound [Enable] ▶ OnChip IDE Device			
t↓++:Move Enter:Select +/-/PU/PD:Value F10:Save I E5:Proving Values E6:Eail-Safe Defaults E	ESC:Exit F1:General Help		
Figure 5 Peripheral menu			

**Onboard Serial Port 1/Port 2** 

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Select an address and corresponding interrupt for the first and second serial ports.

The choice: 3F8/IRQ4, 2E8/IRQ3, 3E8/IRQ4, 2F8/IRQ3, Disabled

### **Onboard Parallel Port**

Select 3BC/IRQ7 to enable On Board Parallel Port as first Parallel Interface.

The choice: Disable, 378/IRQ7, 278/IRQ5, 3BC/IRQ7.

#### OnChip USB Controller

Select *Enabled* if your system contains a Universal Serial Bus (USB) controller and you have USB peripherals. The Choice: Enabled, Disabled.

#### OnChip Sound

The Choice: Auto, Disabled.

#### 4.8 H/W Monitor



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# 4.9 Boot

Phoenix - AwardBIOS CMOS Setup Utility Main Advanced Power PnP/PCI Peripherals H/W Monitor Boot Exit				
First Boot Device [CDROM]	Item Help			
Second Boot Device [Hard Disk] Third Boot Device [USB-FDD] Boot Other Device [Enabled] ► Hard Disk Boot Priority	Menu Level ► Select Your Boot Device Priority			
↑↓++:Move Enter:Select +/-/PU/PD:Value F10:Save F5:Previous Values F6:Fail-Safe Defaults F	ESC:Exit F1:General Help 7:Optimized Defaults			

Figure 7 Boot menu

# First/Second/Third/Other Boot Device

The BIOS attempts to load the operating system from the devices in the sequence selected in these items.

The Choice:

- ➢ Hard Disk ......[]
- ➢ USB-FDD ......[]
- ➢ USB-ZIP ......[]
- ➢ USB-CDROM....[]

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# 4.10 Exit Selecting

Phoe Main Aduanced Power	enix - Awa	Peripherals	etup Uti H/W Mor	ility	Root E	vit
Save & Exit Setup Load Optimized Defau Fxit Without Saving	ilts	rer ipner als	TIZ W MUT	Menu	Item	Help
Set Password				Save	Data to	CMOS
T↓→+:Move Enter:Select F5:Previous Values	t +/-/PU/ F6:Fai	PD:Value F10 1-Safe Defaul	:Save E ts Fi	:SC:Ex 7:Optiu	it F1:Ge mized Def	eneral Help faults

Figure 8 Exit menu

- ➢ Save & Exit Setup
- Load Optimized Defaults
- ➢ Exit Without Saving
- Set Password

#### Save & Exit Setup

Pressing <Enter> on this item asks for confirmation:

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

Pressing "Y" stores the selections made in the menus in CMOS – a special section of memory that stays on after you turn your system off.

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The next time you boot your computer, the BIOS configures your system according to the Setup selections stored in CMOS. After saving the values the system is restarted again.

### Load Optimized Defaults

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

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

#### Load Optimized Defaults (Y/N)? N

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

#### **Exit Without Saving**

Pressing <Enter> on this item asks for confirmation:

#### Quit without saving (Y/N)? Y

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

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