



Acknowledgment

Dear Giada user,

Thank you very much for choosing Giada server products.

Giada server products are designed for enterprises and households and applied in lots of areas such as Data storage, Cloud computing, Video surveillance and Cloud storage. Providing server products with hi-performance and reliable quality is the service principle of Giada brand.

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We provide this detailed User Manual for our products to help you know the product and operation guidance better. Please read it carefully before installing and using the product.

If you have any problems about the product quality or after-sales service while you using our products, you can visit our official website for more information, you can find our after sale service hotline on the website.

Giada's official website: www.giadatech.com

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Attention

The following factors resulting in product failure or damage is not in the scope of free warranty:

A. Damages caused by natural disaster (flood, fire, earthquake, lightning, typhoon, etc.), or any event of force majeure or man-made damage.

B. Self assemble or disassemble, self repairment or sending products to a maintenance station which is not authorized by JEHE.

C. Problems or damages caused by changing the specification or installing any unauthorized extended device arbitrarily by the users.

D. Problems or damages caused by installing incompatible softwares or setting improperly by the users.

E. Problems or faults that caused by computer virus.

F. The event that the identification tag is tear up or unrecognizable, the warranty card is juggled or warranty card is not in conformity with products.

G. Install software that offer by user, software troubleshooting or remove password etc.

H. Other problems and faults caused by abnormal use.

I. The serial number in the products is damaged or cannot be identified.

Packaging

After you get this board box, check all the standard accessories listed below are complete immediately. If anything is missing or damaged, please contact your dealer or direct sale and JIEHE

Note:

a, practical accessories please refer to the product type and quantity of packing prevail.

b, save the packing and accessories for use in subsequent service processes.

Accessories Category	Quantity
Motherboard	1
SATA cable	1
I/O back barrier-plate	1
CD	1
User Manual	1
Product certification	1
Quality Assurance Card	1

Catalog

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Chapter 1 Product Features

1.1 Safety Information

1.1.1 Safety of Electric

A. To avoid damage of electric shock, please turn off the power and unplug the power cord before moving the computer.

B. Before you add or remove any component or extended device, do turn off the power and unplug the power cord; After complete installing of device, please plug the data cable before you turn on your computer.

C. Please ask a professional help before installing any extended device. Please use the regulated components specified in this manual, other components may cause some compatibility problems.

D. Please make sure the power supply voltage setting has been adjusted to the standard used in your country. If you are not sure what voltage is used in your living area, please ask the nearest local power company for help.

E. Do not try to fix the power supply by yourself once it fails to work. Please ask a professional service staff or the dealer for help.

1.1.2 Safety of Operation

A. Please read the manual carefully and follow the instructions that mentioned in this manual when you want to install any extended device to the motherboard.

B. Make sure all date cables, connectors and power cord has been correctly plugged in before you turn on the system. If you find any severe defects, please contact your dealer as soon as possible.

C. To avoid electrical short, do not leave any useless screws $\$ needles and other metal parts on the motherboard.

D. Dust, moisture and severe temperature changes will affect the life of the motherboard, so please avoid place your computer in these areas.

E. Keep the computer in a stable environment, a shaky environment may cause physical damage.

F. If you have any technical question during using this product, please contact our technical engineer for help.

1.2 Product Specifications

SIZE	Mini-ITX 6.75 x 6.75 in	
CPU	Intel [®] Celeron [®] Processor 1037U	
Chipset	Intel [®] HM77	
Memory	Supports DDR3 1333/1600 MHz 1 SO-DIMM slot, up to 8GB	
LAN	2 x Intel [®] LAN Controller supports 10/100/1000Mbps	
Graphics	Intel [®] HD Graphics	
Storage Interface	4 x SATA 3Gb/s connectors 2 x SATA 6Gb/s connectors 1 x M-SATA connector Supports SATA HDD and SSD Supports Raid (Software Raid) Supports Raid card for extension	
Expansion Slots	1 x PCI Express 2.0 16X slot running at 4X	
Internal Connectors	2 x 4-pin FAN headers for CPU and system 1 x 4-pin ATX header for power 1 x 24-pin ATX header for power 1 x 20-pin TPM header 1 x 9-pin COM header 1 x 19-pin USB 3.0 header for 2 USB3.0 ports 1 x 9-pin USB 2.0 header for 2 USB2.0 ports 1 x USB 2.0 port	
Rear Panel	2 x USB 2.0 ports 1 x PS/2 port 2 x USB 3.0 ports 1 x HDMI 1 x VGA port 2 x RJ45 port 2 x Audio ports	
BIOS	Phoenix BIOS	
OS Support	Windows and Linux When installing SUSE 11 SP3 system, the target disk is not greater than 3G, Installer may fail if the target disk is larger than 3G, data disks did not ask	

Caution: Giada reserves the right to make any changes to the product specifications and product related information without prior notice.

1.3 Product Highlights

Latest Processor Technology

N70E series motherboard use the latest Intel[®] low-power processor. The power consumption is only 17W, but the performance remains good to meets all the date computing requirements. With the CPU on-board design, the cost of cooling will be reduced, and makes the system more stable and reliable.

Supports DDR3 Memory

N70E series motherboard supports SODIMM DDR3 memory that features data transfer rates of 1600/1333 MHz to meet the higher bandwidth requirements of applications, and improve the performance of the entire system.

Intel® WG82574L LAN Solution

N70E series motherboard comes with two Gigabit LAN controlloers and RJ45 ports which provide a total solution for your networking needs. Two onboard Intel[®] WG82574L Gigabit LAN controllers use the PCI Express interface and could achieve network throughput close to Gigabit bandwith.

Serial ATA 6 Gb/s Technology

N70E series motherboard supports the Serial ATA 6Gb/s technology through the Serial ATA interface and intel[®] HM77 chipset. Get enhanced scalability, faster date retrieval, double the bandwith of current bus system with up to 6Gbps data transfer rates.

USB 3. 0 Technology

N70E series motherboard implements the USB 3.0 technology with data transfer speeds of up to 5Gbps, faster charging time fro USB-chargeable devices, optimized power efficiency, and backward compatibility with USB 2.0.

Supports M-SATA SSD

N70E series motherboard comes with a M-SATA port onboard, supports SATA2.0 technology. A high-performance SSD could be installed into this port as an OS disk, this will improve the performance of the entire systemn significantly.

Support 1080p HD Video Output

N70E series motherboard comes with a HDMI port, supports 1080p HD digital video output, meeting a variety of business applications and home entertainment needs.

Chapter 2 Hardware Installation

2.1 Installation Precautions

The motherboard contains numerous delicate electronic circuits and components which can become damaged as a result of electrostatic discharge (ESD). Prior to installation, carefully read the user's manual and follow these procedures:

A. Prior to installation, do not remove or break motherboard S/N (Serial Number) sticker orwarranty sticker provided by your dealer. These stickers are required for warranty validation.

B. Always remove the AC power by unplugging the power cord from the power outlet before installing or removing the motherboard or other hardware components.

C. When connecting hardware components to the internal connectors on the motherboard, make sure they are connected tightly and securely.

When handling the motherboard, avoid touching any metal leads or connectors.

D. It is best to wear an electrostatic discharge (ESD) wrist strap when handling electronic components such as a motherboard, CPU or memory. If you do not have an ESD wrist strap, keep your hands dry and first touch a metal object to eliminate static electricity.

E. Prior to installing the motherboard, please have it on top of an antistatic pad or within an electrostatic shielding container.

F. Before unplugging the power supply cable from the motherboard, make sure the power supply has been turned off.

G. Before turning on the power, make sure the power supply voltage has been set according to the local voltage standard.

H. Before using the product, please verify that all cables and power connectors of your hardware components are connected.

I. To prevent damage to the motherboard, do not allow screws to come in contact with the motherboard circuit or its components.

J. Make sure there are no leftover screws or metal components placed on the motherboard or within the computer casing.

K. Do not place the computer system on an uneven surface.

L. Do not place the computer system in a high-temperature environment.

M. Turning on the computer power during the installation process can lead to damage to system components as well as physical harm to the user.

N. If you are uncertain about any installation steps or have a problem related to the use of the product, please consult a certified computer technician.

2.2 Motherboard Layout



2.3 Installing the Memory

Caution:

a、 Always turn off the computer and unplug the power cord from the power outlet before installing the memory to prevent hardware damage.

b、 Memory modules have a foolproof design. A memory module can be installed in only one direction. If you are unable to insert the memory, switch the direction.

c Make sure that the motherboard supports the memory. This motherboard supports DDR3/DDR3L SO-DIMM module only.

Installation step:

Step 1, Align the connector edge of the memory module, chip side up, with the connector slot in the compartment. Insert the memory module at a 45° angle and press it firmly onto the connector.

Step 3, Press the memory module down into the compartment until it locks into the retaining clips on either side. You will hear a click when it is properly in place.

Reverse the installation steps when you wish to remove the DIMM module.

2.4 Rear Panel Connectors



1, USB2.0 ports

The USB2.0 ports support USB2.0 specification. Use this port for USB devices such as a USB keyboard/mouse, USB printer, USB flash drive and etc.

2, PS/2 port

PS/2 is used for connecting keyboard/mouse or other devices with PS/2 connector.

3, USB3.0 ports

USB3.0 ports support USB3.0 protocol with data transfer speeds of up to 5Gbps, faster charging time for USB-chargeable devices, optimized power efficiency, and backward compatibility with USB 2. 0.

4, HDMI port

HDMI port provides HD digital video signal, can be used for connecting a HD monitor.

5, VGA port

The VGA port is used to connect to a LCD monitor with VGA port.

6, RJ45-1 & RJ45-2 port

The Gigabit Ethernet LAN port provides Internet connection.

7, Audio JACK

Audio Jack provides analog audio signal, you can use this port to connect a speaker or headset.

2.5 Internal Connectors



Read the following guidelines before connecting external devices:

A. First make sure your devices are compliant with the connectors you wish to connect.

B. Before installing the devices, be sure to turn off the devices and your computer. Unplug the power cord from the power outlet to prevent damage to the devices.

C. After installing the device and before turning on the computer, make sure the

device cable hasbeen securely attached to the connector on the motherboard.

D.The pin number has been indicated on the motherboard.

2.5.1. JPF

Jumper JPF allows you to enable or disable the Power Force On function. If enabled, the power will always stay on automatically. If this function is disabled (default setting), the user needs to press the power button to power on the system.

Pin#	Definitions
1-2	Disable
2-3	Enable
JPF	

2.5.2. JL1

A Chassis Intrusion header is located at JL1 on the motherboard. Attach the appropriate cable from the chassis to inform you a chassis intrusion when the chassis is opened.

Pin#	Definitions
1	Intrusion Input
2	GND



2.5.3. CLR_CMOS

Jumper CLR_CMOS is used to clear CMOS, Connect the two pins, the BIOS setting will be restored to the default setting.



2.5.4. USB prot

Intelnal USB2.0 port, can be used to connect an USB device.



2.5.5. PCIE Slot

PCIE in 16X physical interface, supports PCIE Gen2, running at 4X.



2.5.6. F_USB2.0

Front Panel USB 2.0 header, supports two USB2.0 ports.

	Pin#	Definitions	Pin#	Definitions
--	------	-------------	------	-------------

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1	5V	2	5V
3	USB DO-	4	USB D1-
5	USB DO+	6	USB D1+
7	GND	8	GND
9	N/A	10	NC



2.5.7. F_USB3.0

Front Panel USB 3.0 header, supports two USB3.0 ports.

Pin#	Definitions	Pin#	Definitions
1	5V	2	F-USB3.0 RXDN2
3	F-USB3.0 RXDP2	4	GND
5	F-USB3.0 RXDN2	6	F-USB3.0 TXDP2
7	GND	8	F-USB2.0 0_N2
9	F-USB2.0 0_P2	10	F_OCP
11	F-USB2.0 0_P1	12	F-USB2.0 0_N1
13	GND	14	F-USB3.0 TXDP1
15	F-USB3.0 TXDN1	16	GND
17	F-USB3.0 TXDP1	18	F-USB3.0 TXDN1
19	5V	20	NC



2.5.8. TPM Header

TPM header is used to connect a Trusted Platform Module(TPM is a third party device can be plugged into this board providing protection for your PC, BIOS, OS and net connection, etc.).

Pin#	Definitions	Pin#	Definitions
1	CLK	2	GND
3	FRAME	4	
5	RESET	6	5V
7	AD3	8	AD2
9	3V3	10	AD1
11	AD0	12	GND
13	RSV0	14	RSV1
15	3V3_SB	16	SERIRQ
17	GND	18	CLKRUN
19	LPCPD	20	RSV2



2.5.9. SATA

SATA0/1 support SATA3.0 technology, provide up to 6Gbps transmission speed;

SATA2/3/4/5 support SATA2.0 technology, provide 3Gbps transmission speed.



2.5.10. ATX_1x4P

Power Connector for Add-on devices. (Note: Do NOT plug the power supply cable into this socket)



2.5.11. J6

Jumper J6 allows you to enable or disable the m-SATA port. m-SATA port and SATA port 3 use the same data transmission channel, this two ports can not work at the same time and you need to enable one and disable the other one. The default setting is enable m-SATA port and disable SATA port 3.

Pin#	m-SATA	SATA3
1-2	Enable	Disable
2-3	Disable	Enable



2.5.12. F_PANEL

Front panel header, the following form shows the definition.

Pin#	Definitions	Pin#	Definitions
1	Signal	2	GND
3	Reset	4	GND
5	VCC	6	GND
7	VCC	8	Signal
9	VCC	10	GND
11	VCC	12	GND
13	3.3V	14	HD Active
15	3.3V	16	GND
17	Х	18	Х
19	Signal	20	GND



2.5.13. JD1

External Buzzer/Speaker/Power LED, Pins 1-3 (Power LED), Pins 4-7 (External Speaker).

Pin#	Definitions	Pin#	Definitions
1	Power LED	5	External Speaker
2	Power LED	6	External Speaker
3	Power LED	7	External Speaker
4	External Speaker		



2.5.14. JOH

The JOH header is used to connect a LED to provide warnings of chassis overheat. This LED will also blink to indicate a fan failure. Refer to the flloweing table for pin definitions.



2.5.15. JPI2C

Power System Management Bus (I2C) Connector monitors the status of the power supply, fan and system temperature. See the table below for pin definitions.

Pin#	Definitions
1	Clock
2	Data
3	Power Fail
4	GND
5	3V3



2.5.16. ATX1(24PIN)

ATX 24-Pin Power Connector.

2.5.17. Memory socket

Memory socket, supprots DDR3 SODIMM, up to 8GB supported.

2.5.18. JWD1

Watch Dog Enable/Disable.



2.5.19. JPUSB1

Use JPUSB1 jumper to enable the function of "System Waking-Up via USB devices". This jumper allows you to "wake-up" the system by pressing a key on the USB keyboard or by clicking the USB mouse of your system.



2.5.20. CPU_FAN, SYS_FAN

CPU Fan header and SYSTEM Fan header.

Pin#	Definitions	Pin#	Definitions
1	GND	1	GND
2	+12V	2	+12V
3	Tachometer	3	Tachometer
4	PWM_Control	4	PWM_Control

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2.5.21. ATX2(4PIN)

External Power Connector.

Pin#	Definitions	Pin#	Definitions
1	12V	3	GND
2	GND	4	5V

2.5.22. JP3, 4

Pin 1 DCD/5V Select for COM and COM2.





2.5.23. COM2

Serial Port 2 Headers.



2.5.24. m-SATA

m-SATA port, you can intall a m-SATA storage device. Make sure you have enable the m-SATA port before you intall a SSD. Please refer to "11.J6".

Chapter 3 BIOS Setting

BIOS (Basic Input and Output System) records hardware parameters of the system in the EFI on the motherboard. Its major functions include conducting the Power-On Self-Test (POST) during system startup, saving system parameters and loading operating system, etc. BIOS includes a BIOS Setup program thatallows the user to modify basic system configuration settings or to activate certain system features. When the power is turned off, the battery on the motherboard supplies the necessary power to the CMOS to keep the configuration values in the CMOS.

BIOS flashing is potentially risky, if you do not encounter problems of using the current BIOS version, it is recommended that you don't flash the BIOS. To flash the BIOS, do it with caution. Inadequate BIOS flashing may result in system malfunction.

It is recommended that you not alter the default settings (unless you need to) to prevent system instability or other unexpected results. Inadequately altering the settings may result in system's failure to boot. If this occurs, try to clear the CMOS values and reset the board to default values.

3.1 Starting BIOS

The chapter describes the basic navigation of the bios setup screens, to enter the bios setup screens, please refer to the following steps.

Step	Description
1	Power on the motherboard.
2	Press the <f2> key on your keyboard when you see the following text prompt Press F2 to enter setup.</f2>
3	After you press <f2> key, the bios setup menu displays, you can access the other setup screen from the main BIOS setup menu, such as the Advanced and BOot menus and so on.</f2>

3.1.1 Setup Menu

The BIOS setup menu is the first screen that you can navigate. Each main BIOS setup menu option is described in this manual.

The Main BIOS setup menu screen has two main frames. The left frame displays some Options that can be configured. Some item options cannot be configured. It is only tell user about the configuration information or useful information.

The right frame displays related Option's detail help information. Above the help information is an area reserved for a Text message. When an option is selected in the left frame, it is highlighted in white. Often a text message will accompany it.

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3.1.2 Navigation

The BIOS setup utility uses a key-based navigation system called hot keys.

Most of the BIOS setup utility hot keys can be used at any time during the setup navigation process. These keys include <F1>, <F9>, <F10>, <Enter>, <Esc>, <Arrow>, <+>, <->, etc. The following are hot keys.

Hot Key	Description
$\rightarrow \leftarrow$	Select a setup screen.
$\uparrow \downarrow$	Select a setup item or sub-screen.
Enter	Selected.
+/-	Change the field value of a particular setup item.
F1	General Help.
F9	Optimized Default.
F10	Save & Exit.
Esc	Exit.

M	Phoenix SecureCore Tiano Setup ain Advanced Security Boot Exit	
	General Help	
HD In IG Ha	Setup changes system behavior by modifying the BIOS configuration. Selecting incorrect values may cause system boot failure; load Setup Default values to recover.	~ * *
St LA On	<pre><up down=""> arrows select fields in current menu. <pgup pgdn=""> moves to previous/next page on scrollable menus. <home end=""> moves to top/bottom item of current menu.</home></pgup></up></pre>	* * * *
Wa US ME	Within a field, <f5> or <-> selects next lower value and <f6>, <+>, or <space> selects next higher value.</space></f6></f5>	+++++++++++++++++++++++++++++++++++++++
Re	<pre><left right=""> arrows select menus on menu bar. <enter> displays more options for items marked with >.</enter></left></pre>	+ v
	Continue	ļ

Esc Exit <> Select Menu Enter Select > Sub-Menu F10 Save and Exits

3.2 Main

When you first enter the BIOS Setup Utility, you will enter the Main setup screen. You can always return to the Main setup screen by selecting the Main tab.

Main	Adva	inced	Phoen Sec	ix Secu urity	reCore 3 Boot	liano Setu Exit	ıp	
°'			+ Ite	m Specific Help				
System System	Date Time		[20:5	20:54:24]		View	View on got guater	
> System	Informa	tion					date.	OI SET SYSTEM
Esc Exi	lt ⇔	Select	Menu	Enter	Select	> Sub-Mer	+ u F10	Save and Exits

Caution:

A. When the system is not stable as usual, select the Restore Defaults item to set your system to its defaults.

B. The BIOS Setup menus described in this chapter are for reference only and may differ by BIOS version.

3.2.1 System Date/System Time

Use this option to change the System Time and System Date. Highlight System Time or System Date using the <Up>/<Down> arrow keys. Enter new values through the keyboard. Press the <Tab> and <Shift-Tab> Key or the <Enter> keys to move between fields. The date must be entered in MM/DD/YYYY format. The time is entered in HH:MM:SS format. Caution: The time is in 24-hour format. For example, 5:30 A.M. appears as 05:30:00,

and 5:30, P.M. as 17:30:00.

3.2.2 System Information

Use this menu to show System BIOS, CPU, Memory information and so on.

Phoenix S	Phoenix SecureCore Tiano Setup				
Main					
Sys	stem Information				
BIOS Version W3511 Build Time 09/18 Processor Type Intel Processor Speed 1.80 System Memory Speed 1333 L2 Cache RAM 256 H Total Memory 2048 Memory Mode Memor Memory Channel A Slot 0 2048 Memory Channel A Slot 1 Memory Channel B Slot 1	.021 3/2014 .(R) Celeron(R) CPU 1037U @ 1.80GHz GHz MHz KB MB ry Mode Single MB (DDRIII1333)				
Esc Exit <> Select Menu Ent	er Select > Sub-Menu F10 Save and Exits				

3.3 Advanced

The Advanced menu shows the submenu options for configuring the function of various hardware components. Select a submenu item, then press Enter to access the related submenu screen.

Phoenix SecureCore Tiano Setup						
Main Advanced S	ecurity	Boot	Exit			
/	bology			Iter	m Specific	Help
<pre>> Inter(k) Kapid Start Fet > IGD Configuration > Hardware Monitor</pre>	IIIOIOgy			Set Ha Contro Config	ard Drive oller guration.	and
State After G3 LAN OPROM Selection Onboard Lan Device Onboard 2nd Lan Device Wake-Up by Lan USB Wake-up from S3 ME Control		[State S5] [Disabled] [Enabled] [Enabled] [Disabled] [Disabled] [Enabled]			5-4-4-1-0-M	
Resume On RTC Alarm		[Disabled]				,
Esc Exit <> Select Mer	u Enter	Select >	Sub-Menu	ι F10	Save and	Exits

3.3.1 HDD Configuration

SATA Device

This item Enables or Disables the built-in SATA controllers on the motherboard. The default setting is [Enabled].

Interface Combination

This item selects the SATA mode for a device installed on a SATA drive. The default setting is [AHCI].

Aggressive Link Power

This turn on aggressive link power management on all HDD ports. The default setting is [Enalbed].

Serial ATA Port 0/1/2/3/N

This feature option show the related SATA Port implementation status.

Hot Plug

SATA Hard drive hot plug setting.

Port Topology

Specific topology for SATA 6Gb/s ports. SATA 6Gb/s support is only available on SATA port0/1.

SATA Device Type

This feature configures the selected SATA port to support either a solid-state drive or hard disk drive. The options are Hard Disk Drive and Solid Sate Drive.

P Advanced	hoenix SecureCore T	iano Setup)
HDD Con	figuration		Item Specific Help
SATA Device Interface Combination Aggressive Link Power Serial ATA Port O Hot Plug External Port Port Topology SATA Device Type Serial ATA Port 1 Hot Plug External Port Port Topology SATA Device Type Serial ATA Port 2	[Enabled] [AHCI] [Enabled] [Not Installed [Enabled] [Disabled] [CableUp] [Hard Disk Drive] [Not Installed [Enabled] [Disabled] [CableUp] [Hard Disk Drive] [Not Installed	~ * * * * * * * * * * * * * * * * * * *	Enable/Disable SATA Device.
Fac Exit (> Select M	enu Enter Select	∑ Sub-Meni	F10 Save and Exits

3.3.2 Intel(R) Rapid Start Technology

iRST Support

Enable Intel Rapid Start Technology, default is Enabled.

Entry on S3 RTC wake

iRST invocation upon S3 RTC wake, default is Enabled.

Entry after

Enable RTC wake timer at S3 Entry.

Phoenix SecureCore Tiano Setu Advanced	p
Intel(R) Rapid Start Technology	+ Item Specific Help
iRST Support [Enabled] Entry on S3 RTC wake [Enabled] Entry after [10 minutes] iRST PARTITION STATUS INVALID	Enable iRST.
Esc Exit <> Select Menu Enter Select > Sub-Menu	+ u F10 Save and Exits

3.3.3 IGD Configuration

This menu show Integrated Graphic Device option and related function settings.

IGD – Boot Type

Select the Video Device activated during POST, default is follow by VBIOS Setting.

IGD – LCD Panel Type

Select the Video Device activated during POST, default is follow by VBIOS Setting.

Panel Color Depth

Select the LFP Panel color depth.

Phoenix SecureCore Tiano Setur)
Advanced	
IGD Configuration	Item Specific Help
IGD - Boot Type [VBIOS Default] IGD - LCD Panel Type [VBIOS Default] Panel Color Depth [18 Bit]	Select the Video Device activated during POST. This has no effect if external graphics are present.
Esc Exit <> Select Menu Enter Select > Sub-Menu	ı F10 Save and Exits

3.3.4 Hardware Monitor

This menu show system HWM information and related function settings.

CPU Fan Control Mode

Switch the CPU fan mode between Full Speed, Smart Mode and manually mode.

CPU Temperature Limit of OFF

The CPU fan will stop less then this temperature value.

CPU Temperature Limit of Start

The CPU fan will start higher than this temperature value.

CPU Fan Start PWM

Setting the CPU Fan Start PWM, max is 127.

CPU Slope PWM

Setting the CPU Fan slope for Smart Fan mode.

Phoenix SecureCore Tiano Setup					
Advanced					
Hardware Monitor		Item Specific Help			
CPU Fan Control Mode CPU Temperature Limit of OFF CPU Temperature Limit of Start CPU Fan Start PWM CPU Slope PWM	[<mark>Auto Mode</mark>] [10] [20] [48] [1]	CPU FAN Configration			
CPU Temperature : System Temperature : CPU Fan Speed :	39 C 42 C 4090 RPM				
		. F10 Courses J Fu:			

3.4 Security

The Security menu allows you to safeguard and protect the system from unauthorized use by setting up access passwords.

There are two types of passwords that you can set:

Set Supervisor Password

Supervisor Hint String

Entering this password will allow the user to access and change all settings in the Setup Utility. Press Enter to configure the supervisor password;

Setting the Hint string help user pick up the password from your bad memory.

Set User Password

User Hint String

Entering this password will restrict a user's access to the setup menus. To enable or disable this field, a Supervisor password must first be set. A user can only access and modify the System Time, System Date, and set User Password fields. Press Enter to configure the user password;

Setting the Hint string help user pick up the password from your bad memory.

Trusted Platform Module (TPM)

This option specifies TPM; If you have installed an extended TPM module, you can find the TPM setting options here.

Phoenix	SecureCore Tia	no Setup)
Main Advanced Secur	ity Boot	Exit	
C			Item Specific Help
Supervisor Password is: User Password is:	Cleared		Set or clear the
Set Supervisor Password Supervisor Hint String	[Enter] []	Supervisor account's password.
Set User Password User Hint String	[Enter] []	
Min. password length	[1]		
Authenticate User on Boot	[Disabled]		
Trusted Platform Module (TPM) TPM not detected)		
Esc Exit 🗇 Select Menu En	nter Select > :	Sub-Meni	1 F10 Save and Exits

3.5 Boot

The Boot menu allows you to set the drive priority during system boot-up. You can use Up/Down Arrow key and "+"/"-" to set the Boot driver Priority order.

		Phoenix Secu	reCore Ti	ano Setup	1
Main	Advanced	Security	Boot	Exit	
Boot P. 1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12.	riority Order PCI LAN: ATA HDDO: ATA HDD1: ATA HDD2: ATA HDD3: ATA HDD4: ATA HDD4: Other HDD5: USB HDD: Kings USB CD: USB FDD: ATAPI CD:	ston DataTrav	7eler 2.0		Item Specific Help Keys used to view or configure devices: ^ and v arrows Select a device. '+' and '-' move the device up or down. 'Shift + 1' enables or disables a device. 'Del' deletes an unprotected device.
Esc Ex	it 🚸 Select	Menu Enter	Select >	Sub-Menu	ι F10 Save and Exits

3.6 Save and Exit

The Exit menu displays the various options to quit from the BIOS Setup. Highlight any of the exit options then press Enter.

Exit Saving Changes

Saves changes, then exit the BIOS setup.

Exit Discarding Changes

Do not save changes, and then exit the BIOS setup.

Load Setup Defaults

Load standard default values.

Discard Changes

Load original value of this boot time.

Save Changes

Saves changes made in BIOS Setup, but do not reset system.

		Phoen	ix Secu	reCore 1	lian	o Setup		
- Main Ad	lvanced	Sec	urity	Boot		Exit		
Exit Saving Exit Discard Load Setup D Discard Chan Save Changes /	Changes ling Chan Jefaults ges 	ges 	Setup uratior Yes]	Confirma n changes	ation ; and []	A A A A A A A A A A A A A A	Equal all c menus now?	m Specific Help to F10, save hanges of all , then exit \figure nally system lly.
F						ا +		

Chapter 4 Appendix

Our Commitment to Preserving the Environment

In addition to high-efficiency performance, all Giada motherboards fulfill European Union regulations for RoHS (Restriction of Certain Hazardous Substances in Electrical and Electronic Equipment) and WEEE (Waste Electrical and Electronic Equipment) environmental directives, as well as most major worldwide safety requirements. To prevent releases of harmful substances into the environment and to maximize the use of our natural resources, Giada provides the following information on how you can responsibly recycle or reuse most of the materials in your "end of life" product.

Restriction of Hazardous Substances (RoHS) Directive Statement

Giada products have not intended to add and safe from hazardous substances (Cd, Pb, Hg, Cr+6, PBDE and PBB). The parts and components have been carefully selected to meet RoHS requirement. Moreover, we at Giada are continuing our efforts to develop products that do not use internationally banned toxic chemicals.

Waste Electrical & Electronic Equipment (WEEE) Directive Statement

Giada will fulfill the national laws as interpreted from the 2002/96/EC WEEE (Waste Electrical and Electronic Equipment) directive. The WEEE Directive specifies the treatment, collection, recycling and disposal of electric and electronic devices and their components. Under the Directive, used equipment must be marked, collected separately, and disposed of properly.

WEEE Symbol Statement



The symbol shown below is on the product or on its packaging, which indicates that this product must not be disposed of with other waste. Instead, the device should be taken to the waste collection centers for activation of the treatment, collection, recycling and disposal procedure. The separate collection and recycling of your waste equipment at the time of disposal will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment. For

more information about where you can drop off your waste equipment for recycling, please contact your local government office, your household waste disposal service or where you purchased the product for details of environmentally safe recycling.

A. When your electrical or electronic equipment is no longer useful to you, "take it back" to your local orregional waste collection administration for recycling.

B. If you need further assistance in recycling, reusing in your "end of life" product, you may contact us at the Customer Care number listed in your product's user's manual and we will be glad to help you with your effort.

SHENZHEN JEHE TECHNOLOGY DEVELOPMENT CO., LTD

ADD: 2/F, Block A, Tsinghua Information Harbor, North Section, Shenzhen Hi-tech Park, Nanshan District, Shenzhen, China http://www.giadatech.com