



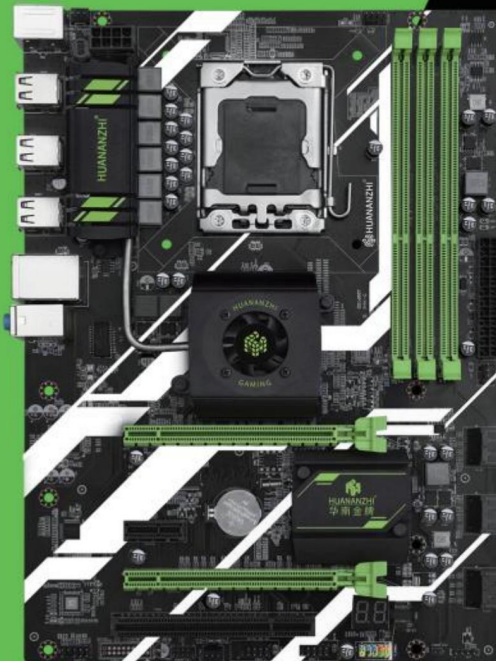
HUANANZHI®

SZ HUANAN SANXIAN TECHNOLOGY CO.,LTD.

WWW.HUANANZHI.COM

User Manual

X58 DELUXE



HUANANZHI®

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- The components contained in this package are susceptible to damage by electrostatic discharge (ESD). Please observe the following precautions to ensure successful computer assembly.
- Make sure all components are securely connected. Loose connections may cause the computer to not recognize the components or not turn on.
- To prevent static electricity from damaging the motherboard when handling it, please release your static electricity by touching other metal objects before handling the motherboard.
- When picking up the motherboard, hold it by its edges to avoid touching sensitive components.
- When the motherboard is not installed, place it on an antistatic mat or static shielding container.
- Before opening the computer, make sure there are no loose screws or metal components on the motherboard or anywhere else inside the computer case.
- Do not start the computer until the installation is complete. Failure to do so may result in permanent damage to components and injury to the user.
- If you need help during any installation step, please consult professional after-sales customer service staff.
- Before installing or removing any computer components, please turn off the power and unplug the power cord from the socket.
- Keep this motherboard away from moisture.
- Keep this User Guide for future reference.

- Before connecting the power supply to an electrical outlet, make sure that your outlet provides the same voltage as indicated on the power supply.
- Place the power cord where it will not be stepped on by others and do not place anything on top of it.
- If any of the following conditions occur, please send the motherboard to maintenance personnel for inspection:

Liquid has penetrated into the computer

The motherboard is exposed to moisture

The motherboard does not work, or you cannot get it to work after following the instructions. The motherboard

has been dropped and damaged.

The motherboard has obvious signs of damage

Packaging

- Please make sure that the motherboard packaging you purchased is intact. If the packaging is damaged or any accessories are damaged or missing, please contact us as soon as possible.

1. One piece of South China Gold X58 Supreme motherboard

2. 1 SATA data cable

3. One I/O back panel

4. One user manual

5. One warranty card

Introduction

Features

CPU: Intel® LGA1366 processor Intel® Xeon™ Intel® LGA1366
processor I7 series 1st generation Intel® Core™

RAM: 3*DIMM, maximum support 48GB DDR3

1600/1333MHZ Non-ECC.ECC memory Triple
channel memory architecture Actual

memory data rate depends on CPU type and DRAM module

I/O effects: 6 x SATA2.0 (maximum transfer speed up to 2GB/s) 6 x

USB2.0 interface 2 x

USB3.0 interface 1 x

PS/2 keyboard and mouse

port 1 x RJ45 network card interface

Audio: Realtek audio codec Realtek

5.1 channel high-definition audio

Audio source output: Front output / front
speaker output Audio source input: Mic

in, audio in Ethernet: 1 x Realtek 1000MB/S

Ethernet Expansion slots: 2 x

PCIe 2.0 x16

1 x PCIe x1 1 x PCI

Motherboard Diagram

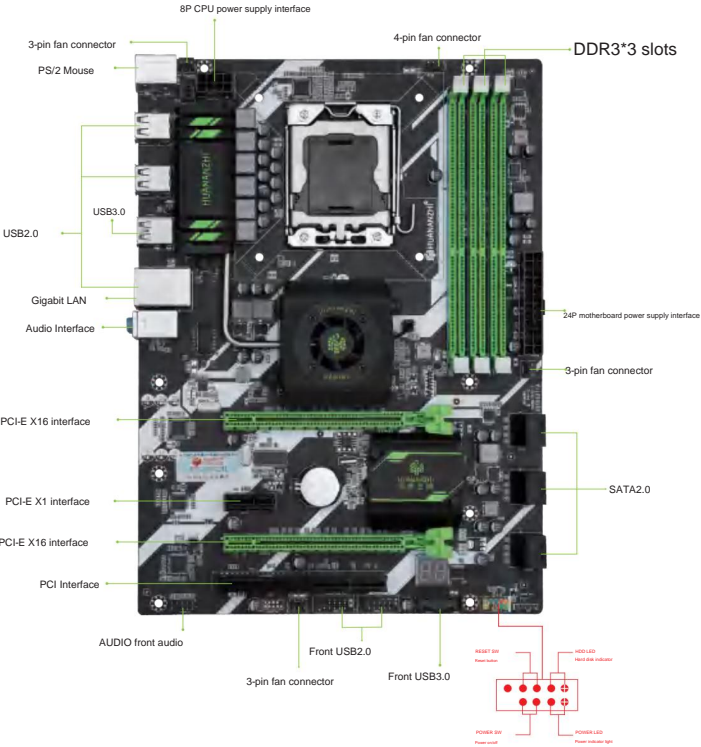


Figure 1-1 X58 Extreme motherboard diagram

Rear I/O Panel

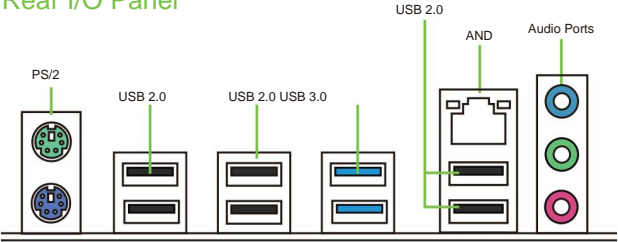


Figure 1-2 Overall rear I/O panel display

Connection/Working Light		Speed light	
state	describe	state	describe
Off	Network not connected	Off	Transfer rate 10 Mbps
Yellow network	connected	Green	Transfer rate 100 Mbps
Flashing network	data in use	orange color	Transfer rate 1 Gbps

Figure 1-3 LAN port status table

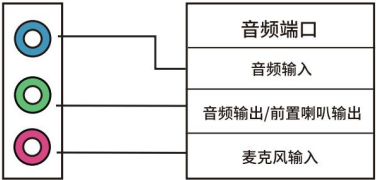


Figure 1-4 Audio port configuration

Installation and Setup



Please check the motherboard carefully. All pins marked with "1" or thick white lines are pin 1.

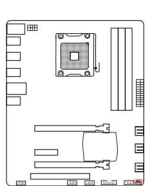
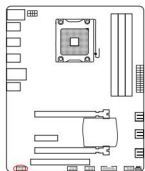
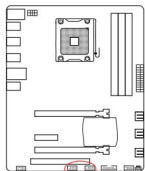


Figure 2-1 Clear CMOS jumper



1	2	3	4	5	6	7	8	9	10
MIC+ Microphone jack Vbias	Ground	Microphone voltage L_R_Out	Aud_Vcc(AVCC) Sound card power supply	Right channel output	R_Out Back Right channel output return	NC Not connected	Key Empty Foot	L_L_Out Left channel output	L_Out Back Left channel output return

Figure 2-2 Front audio output



1	2	3	4	5	6	7	8	9	10
VCC Power supply positive terminal	VCC negative power supply	D- Data negative signal	D- Data negative signal	D+ Data positive signal	D+ Data positive signal	GND Ground	GND Ground	KEY Empty foot	NC Empty

Figure 2-3 USB expansion port

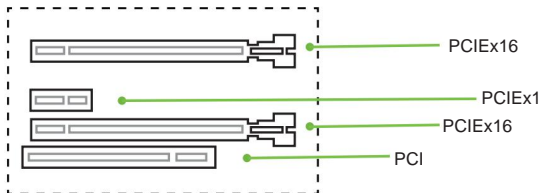
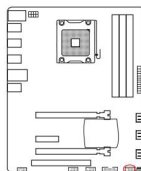
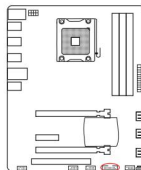


Figure 2-4 PCI expansion slot



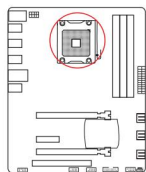
1	2	3	4	5	6	7	8	9	10
Hard disk indicator light - positive power	Power indicator light - positive pole of power supply	Hard disk indicator light - negative	Power indicator light - negative pole of power supply	power pole Restart interface - Restart switch	ATX power switch-power switch	Restart interface - Restart switch	ATX power switch-power switch	KEY Empty foot	NC Empty

Figure 2-5 F_PANEL1 power-on interface



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Power	USB3_RX_DN	USB3_RX_DP	Ground	USB3_TX_C_DN Ground	USB3_TX_C_DP	USB2.0+	USB2.0-	USB2.0+	GND	Ground	USB2.0-	Ground	USB3_TX_C_DP Ground	USB3_TX_C_DN	USB3_RX_DN	USB3_RX_DP	N.C	Power	

Figure 2-6 USB 3.0 interface



- In order to correctly place the CPU in the motherboard, there are two starting points and a golden triangle indicator on the surface of the LGA1366 CPU. The golden triangle indicates Pin 1.

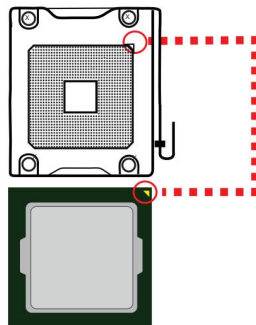
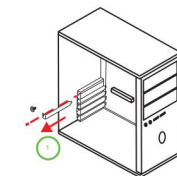
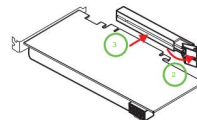


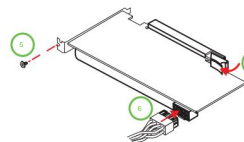
Figure 2-7 CPU installation



1. Use a screwdriver to remove the baffle and screws on the main chassis



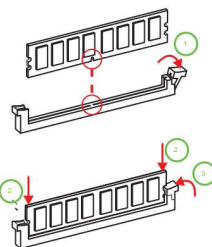
2. When installing the graphics card, you need to bend the card slot head. 3. Insert the graphics card into the graphics card slot.



4. After installation, the card head will automatically return to its original position. 5. Fix the graphics card to the chassis with screws.

6. Install the power cord.

Figure 2-9 Graphics card installation



1. Pull the clips at both ends of the memory slot outwards, match the protruding position of the memory stick with the slot, and determine the installation direction. 2. Align the memory stick with the slot and press it down. 3. Let the clips at both ends of the slot pop up automatically.

Figure 2-8 Memory installation

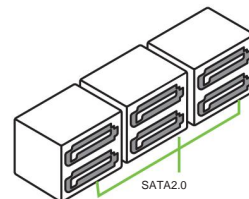
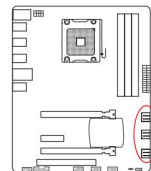


Figure 2-10 SATA interface

Driver Installation

1. Driver Catalog List:

Driver Catalog	Driver Description	Applicable operating system
X58 Chipset Driver	Intel Chipset Information Installation	win7/win10
X58 Suond Card Driver Realtek series	Realtek sound card driver installation	win7/win10
X58 LAN Driver	Realtek Gigabit LAN Installation	win7/win10

2. Intel chip information installation

Run: Control Panel - System - Hardware - Device Manager

"Right click" to change the hardware device of the driver and continue to install below

Select: Properties - Update Driver - Do not connect to the Internet - Manual Installation -

Find the corresponding directory

Select Next

3. Sound card driver installation

Before installing this part of the driver, please find the

The sound card chip (please refer to the main part of this manual for the location of the sound card chip)

What model is it, and then select the corresponding driver according to the chip model.

Install

3.1 Install the sound card driver (HD Audio series installation as the first step)

Run "Driver": /X58 SUOND CARD DRIVER/VISTA-WIN7-

R267,XP

Select WDW-267

Select "Next" to continue

Select "Finish" and the system will automatically restart and complete the installation

3.2 Uninstall the sound card driver (taking HD Audio as an example)

Boot to the WINDOWS desktop, select "Settings" / "Controls", then select "Add

In the Add/Remove Programs menu, select

Click "Add/Remove" for "Realte High Definition Audio Driver" and the driver will be automatically removed.

4. External graphics card driver installation

Run the external graphics card "driver": Setup.exe in the directory

Click "Next" to continue

Click "Yes" to continue

Click "Next" to continue

Click "Next" to continue

Click "Finish" and the system will automatically find the device to complete the installation

5. Installation of network card driver

Run "Driver": X58 LAN DRIVER /WIN7 XP

Click "Next" to continue

Select "Install" to install the following

Select "Finish", restart the computer, and the system will automatically search for the device to complete the installation

BIOS Settings

So that the computer can work normally or perform specific functions. CMOS SETUP will store various data in the CMOS SRAM on the motherboard. When the power is off, the battery on the motherboard continues to power the CMOS SRAM. After the power is turned on, when the BIOS starts POST (Power On Self Test), press the "Delete" key to enter the CMOS SETUP main screen of AMI BIOS. Motherboard hot start key "F7".

Menu Description: Please pay attention to the contents of the settings menu. If there is a triangle indicator on the left side of the menu item, it means that the submenu of the item is selected and a submenu will pop

up. 1. Main menu function

Main	Advanced	Chipset	Boot	Security	Save	Exit
------	----------	---------	------	----------	------	------

☆ Main

☆ System Overview (System Information)

Set the current time, hard disk specifications and display type

☆ Advanced

Advanced Settings (Advanced BIOS function settings)

Set special functions provided by BIOS, such as virus warning, boot disk priority, etc.

☆ Pest

Advanced Chipest Settings (Advanced Chipset Function Settings)

☆ Boot

Boot Settings

☆ Security

Security Settings (BIOS password settings)

☆ Save

Save Setting

☆ Exit

Exit Options (Exit Settings) Exit

settings include loading optimized default values/loading fail-safe default values/discarding changes/exiting without saving

DIRECTORY

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Packing	3
Brief Introduction	4
Motherboard Diagram	5
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Installation and Settings	7
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BIOS Settings	13

SAFETY PRECAUTIONS

- Products could probably be damaged due to electrostatic discharge(ESD). Please follow these steps below for a successful computer assembly.
- Make sure all parts are firmly connected; otherwise, it might lead to the failure of recognizing components or starting the computer.
- In order to prevent products from being damaged by ESD, please make sure to discharge your body static by touching other metal objects before taking the motherboard out of box.
- Hold the border of motherboard when taking it out. Do not touch the sensitive parts of motherboard.
- Please put the motherboard in an anti-static container or on anti-static pad if not needed Before
- turning on the computer, make sure all parts inside the case are firmly connected without any loose screws or metal components.
- Do not start the computer before installation finished, otherwise it might result in permanent damage to the computer parts or even injury to the user.
- If you need any assistance in the process of installation, please contact our after-sales customer service or reach us on HUANANZHI official E-mail: bussiness@huananzhi.com for professional technical support.
- Prior to installation or disassembly, please switch off the power and pull the power cable from the socket.

- Keep the motherboard away from moisture.
 - Keep the user manual for future reference.
 - Before plugging the power supply, please make sure the socket provides the corresponding voltage.
 - In any of the following situations, please keep the mother - board and power cable in a safe place. Do not put anything onto the power cable.
 - In the event of any of the following conditions, have the board checked by a service technician:
 - Liquid penetrated into the computer.
 - Motherboard is exposed to moisture.
 - Motherboard does not work even if you follow the instructions on user manual.
- Motherboard fell off to the ground and got damaged.
- Motherboard has clear signs of damage.

PACKING

- Please confirm that the motherboard is properly packaged upon purchase of the product. If there is any damage to packaging or lack of accessories, contact us as soon as possible.
- 1.1*HUANANZHI X58 DELUXE motherboard
 - 2.1*SATA data cable
 - 3.1*I/O shield back plat
 - 4.1*user manual
 - 5.1* warranty card

BRIEF INTRODUCTION

Features

CPU Intel® LGA1366 Processor Intel® Xeon™
 Intel® LGA1366 Processor I7 Series 1th Intel® Core™

RAM 3*DIMM supports up to 48GB DDR3
 1600/1333MHZ Non-ECC.ECC memory
 Three-Channel Memory Architecture
 Actual memory data rate depends on CPU type and DRAM module

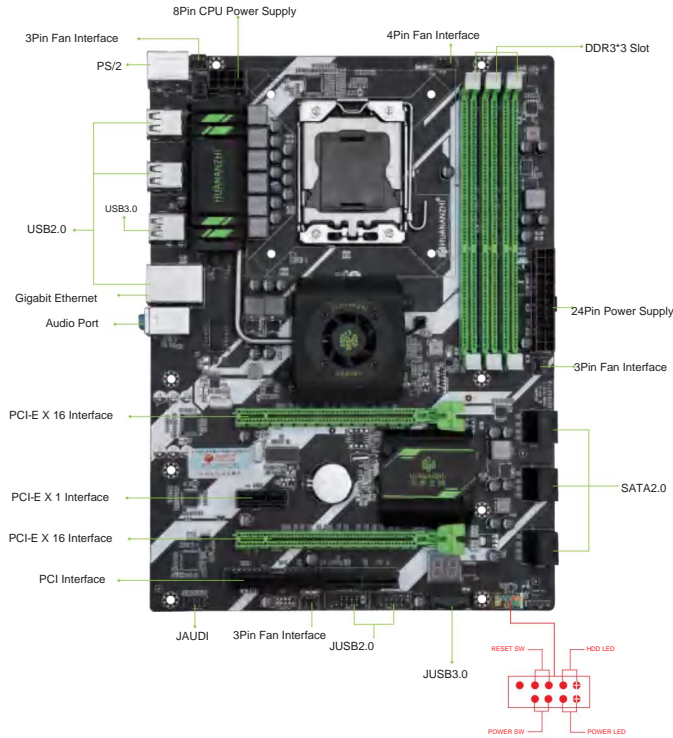
I/O effects 6 x SATA2.0 (maximum transfer speed up to 2GB/s)
 6 x USB2.0 interface
 2 x USB3.0 ports
 1 x PS/2 Mouse and Keyboard port
 1 x RJ45 Network card interface

Audio: Realtek Audio Transcoder
 Realtek 5.1 Channel High Fidelity Audio
 Audio output: Front Out/Front Speaker Out
 Audio input: Microphone input/Audio input

Ethernet: 1 x Realtek PCIe Gigabit LAN

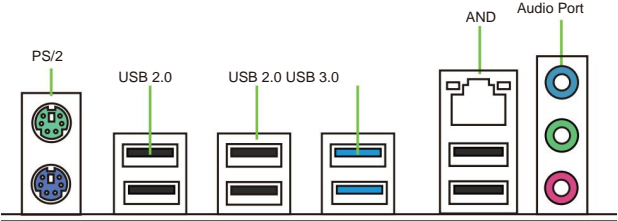
Expansion slot 2 x PCIe 2.0 x16
 1 x PCIe x1
 1 x PCIe

MOTHER BOARD IMAGE



1-1 X58 DELUXE motherboard illustration

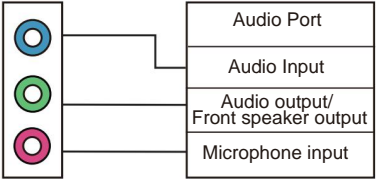
Rear I/O Panel



1-2 Overall Rear I/O Panel Display

Connection/Work Light		Speed Signal	
Status	Description	Status	Description
Turn Off	Network Not Connected	Turn Off	Transmission rate 10 Mbps
Yellow	Network Connected	Green	Transmission rate 100 Mbps
Flicker	Network In Use	Orange	Transmission rate 1 Mbps

1-3 LAN Port Status Table



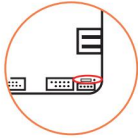
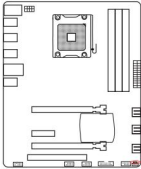
1-4 Audio Port Configuration

Installation And Settings

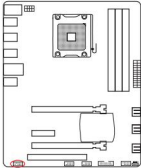


NOTICE

please check the motherboard where all pins marked with number "1" or white bold line are position "1".

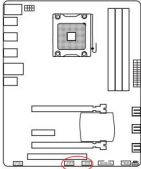


2-1 Clear CMOS Jumper CLR-CMOS



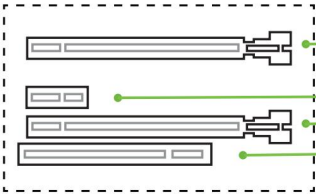
10		1	
1	MIC+	2	Ground
3	Vbias	4	AuD_Vcc(AVCC)
5	L_R_Out N.C	6	R_Out Back
7		8	Key
9	L_L_Out	10	L_Out Back

2-2 Front Audio Output Ports

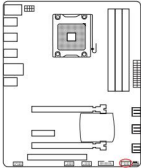


10		1	
1	VCC	2	VCC
3	D-	4	
5	D+	6	D-
7	GND	8	D+
9	KEY	10	GND N.C

2-3 Expansion Ports

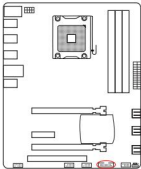


2-4 PCI Expansion Slot



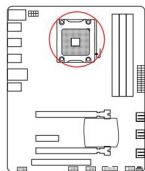
9		1	
1	HDD_LED+	2	PWR_LED+
3	HDD_LED-	4	PWR_LED-
5	RESET_SW	6	PWR_SW
7	RESET_SW	8	PWR_SW N.C
9	KEY	10	

2-5 F_PANEL1 Boot Interface

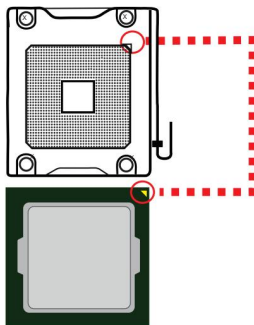


2		20	
1	Power	2	USB3_RX_DN
3	USB3_RX_DP	4	Ground
5	USB3_TX_C_DN	6	USB3_TX_C_DP
7	Ground	8	USB2.0-
9	USB2.0+	10	GND
11	USB2.0+	12	USB2.0-
13	Ground	14	USB3_TX_C_DP
15	USB3_TX_C_DN	16	Ground
17	USB3_RX_DP	18	USB3_RX_DN
19	Power	20	N.C

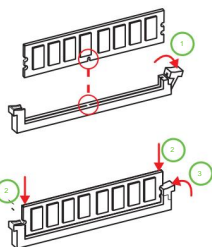
2-6 USB3.0 Interface



- In order to properly place the CPU in the motherboard, the surface of the LGA1366 CPU has two pairs of starting points and a golden triangle. Golden triangle indicates Pin1

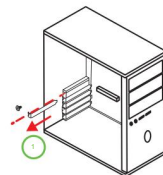


2-7 CPU Installation

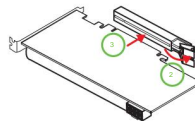


2-8 Memory Installation

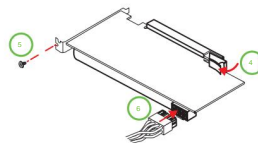
- 1.Pull the clips on both ends of the memory slot outward, and the memory strip corresponds to the protruding position of the slot to determine the direction of installation.
- 2.Align the memory module into the slot and press
- 3.Let the snaps on both ends of the slot automatically bounce



- 1.Use a screwdriver to remove the bezel and screws on the main unit

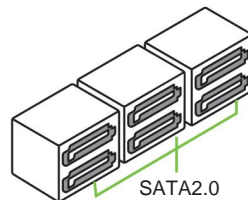
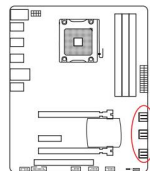


- 2.Need to pick up the card slot of the chassis when installing the graphics card
- 3.Insert the graphics card into the card slot of the graphics card



- 4.After the installation is in place, the chuck will automatically return to its position.
- 5.Secure the graphics card to the chassis with screws
- 6.Install the power cord

2-9 Graphics Card Installation



2-10 SATA Interface

Drivers installation

1. Drivers listing:

Driver Directory	Driver Description	Operating System
X58 Chipset Driver	Intel chip information installation	win7/win10
X58 Sound Card Driver	Realtek series sound card driver installation	win7/win10
X58 LAN Driver	Realtek network card driver installation	win7/win10

2. Intel Chip Information Installation

Run "Control Panel - System - Hardware - Device Manager"

Click the right mouse button to change the driver's hardware device and proceed with the installation below

Option: Property -> Update driver -> Not connect to Internet -> Manually installation

Find the corresponding directory

Select "Next step"

3. Audio driver installation

Before this installation, please check the model of the audio chip on the motherboard first (you may refer to this manual), Select the proper driver accordingly for installation.

3.1 Audio driver installation (take HD Audio series for example)

Run "driver installer": / X58 SOUND CARD DRIVER/VISTA-WIN7-R267, take WDW-267 if OS is XP

Click on "next" to continue, and then "finished"

The system will automatically restart itself to finish the installation

3.2 Uninstallation of audio driver (take HD Audio series for example)

Getting into Windows desktop, choose "setting" / "control", and then "add/remove programs". Later, choose "Realtek High Definition Audio Driver" in the menu and click on "add/remove" so that the driver will be automatically removed.

4. Driver installation of external video card

Run "driver installer", take Setup.exe,

click on "next" - "yes"

- "next"

- "next" and "finished"

The system will automatically search for devices to complete the installation

5.Driver installation of network

Run "driver installer": X58 LAN DRIVER/WIN7 XP
click on "next"-

"installation"- "finished"and restart the computer
and restart the computerThe system will automatically
search for devices to complete the installation.

BIOS Settings

In order to enable the computer to work well or execute specific functions,
CMOS SETUP normally stores all kinds of data in CMOS SRAM of the
motherboard. When the computer is shut down, motherboard's battery will supply
power to CMOS SRAM.

When the computer is turned on and starts POST(Power On Self Test), press
"Delete/Del" key to enter into AMI BIOS CMOS SETUP main page. Motherboard
warm boot key is "F7".

Menu: please pay attention to every option in the settings menu.
When there is a triangle shaped symbol on the left side of menu, it means
that you choose this sub-menu,so a pop-up sub-menu will be available.

1.Main Menu Function

Main	Advanced	Chipset	Boot	Security	Save	Exit
------	----------	---------	------	----------	------	------

- ☆ Main
 - ☆ System Overview
 - Date/Time settings, HDD specs/Monitor type settings.
- ☆ Advanced
 - Advanced Settings
 - BIOS special function settings, such as virus alert, booting disk priority etc.
- ☆ Pest
 - Advanced Chipest Settings
- ☆ Boot
 - Boot Settings
- ☆ Security
 - Security Settings
- ☆ Save
 - Save Setting
- ☆ Exit
 - Exit Options
 - Exit settings include loading of optimized defaults value/ loading of fail-safe defaults / discarding changes/ exiting without saving.Exit settings include loading of optimized defaults value/ loading of fail-safe defaults / discarding changes/ exiting without saving.