AORUS SUPREME 5 GAMING DESKTOP PC

(AS5A7N9-5000/AS5A7N8-5001/
AS5A9N9-5004/AS5IA7N9-5002/
AS5IA7N8-5003/AS5IA9N9-5005)

User's Manual

Rev. 1001

Documentation Classifications

In order to assist in the use of this product, GIGABYTE provides the following types of documentations:

- ■ For quick set-up of the product, read the Quick Start Guide included with the product.
- ■ For detailed product information, carefully read the User's Manual.

For product-related information, check on our website at: https://www.gigabyte.com

Table of Contents

Box Contents

- ☑ AORUS SUPREME 5 GAMING DESKTOP PC
- ☑ Quick Start Guide
- ☑ Antenna
- ☑ Accessory Cables
- ☑ Case Accessory

* The box contents above are for reference only and the actual items shall depend on the product package you obtain. The box contents are subject to change without notice.
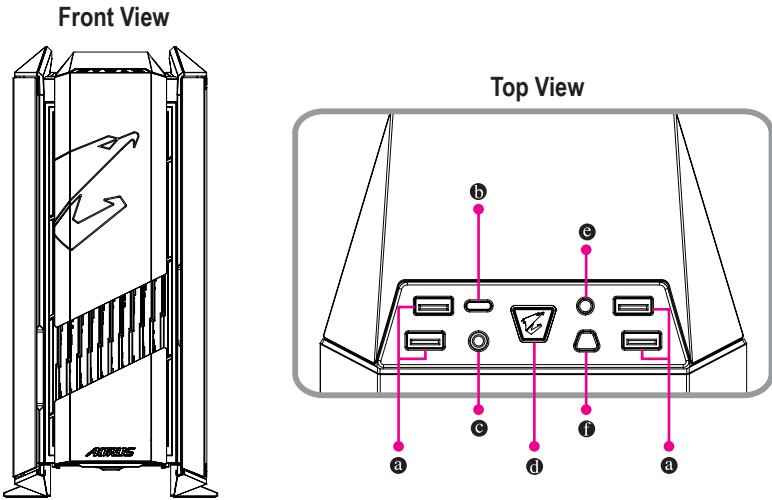
Chapter 1   Hardware Setup

1-1   Safety Information

- Before connecting to the power outlet, make sure that the voltage rating of the power cable is compatible with the power specification in the country where you are located.
- The power cord plug must be connected to a properly wired and grounded power outlet.
- Be sure that the power outlet you plug the power cord into is easily accessible and located as close to the equipment operator as possible. When you need to disconnect power to the equipment, be sure to unplug the power cord from the electrical outlet.
- Do not touch the plug with wet hands, otherwise easily cause electric shock.
- Protect the power cord from being tread upon or pinched, particularly at the plug.
- To avoid damage of internal component, do not place the product on a vibrating surface.
- Operating temperature: 5~35ºC.
- Do not place the product near any heat sources such as electric radiators, heat registers, stoves or other devices (including amplifiers) that produce heat.
- The holes or openings on this product are for ventilation to ensure reliable operation of the product and to protect it from overheating. Do not cover or block the ventilation holes with any objects.
- Never push objects of any kind into this product through cabinet slots as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock.
- Never spill liquid of any kind onto or into the product.
- Do not use this product near water, drinks, or all types of liquids. Do not expose this apparatus to rain, liquid or moisture. Failure to do so may result in electric shock or damage.
- This product is not water proof or oil-proof.
- Clean the equipment with a soft, dry cloth.
- The manufacturer specifies that the thumbscrews normally should be tightened with a screwdriver, use of thumbscrews is not considered to compromise the basic principles of safety associated with the Safety Standard.
- For the motherboard battery replacement, refer to the motherboard's User Manual.

1-2   Hardware Information

System Overview

Front View

Top View

ⓐ USB 3.2 Gen 1 Port

The USB 3.2 Gen 1 port supports the USB 3.2 Gen 1 specification and is compatible to the USB 2.0 specification. Use this port for USB devices.

ⓑ USB Type-C® Port (USB 3.2 Gen 2x2 Support)

The reversible USB port supports the USB 3.2 Gen 2 specification and is compatible to the USB 3.2 Gen 1 and USB 2.0 specification. Use this port for USB devices.

ⓒ Line Out

The line out jack.

ⓓ Power Button

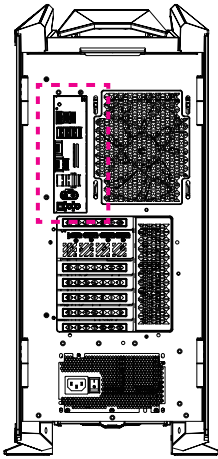The power button allows users to turn on/off the computer.

ⓔ Reset Button

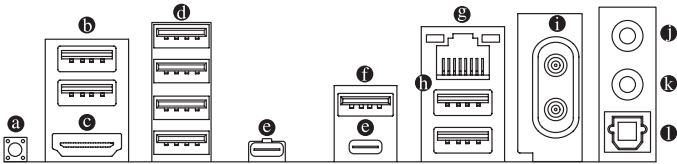The reset button allow users to quickly reset the computer

ⓕ LED Button (Note)

The LED button allows users to the display color of the chassis.

(Note)   For more details, refer to "Chapter 3" of the manual.

Back View-A

ⓐ **Q-Flash Plus Button (Note)**
Q-Flash Plus allows you to update the BIOS when your system is off (S5 shutdown state). Save the latest BIOS on a USB thumb drive and plug it into the dedicated port, and then you can now flash the BIOS automatically by simply pressing the Q-Flash Plus button. The QFLED will flash when the BIOS matching and flashing activities start and will stop flashing when the main BIOS flashing is complete.

ⓑ **USB 2.0/1.1 Port**
The USB port supports the USB 2.0/1.1 specification. Use this port for USB devices.

ⓒ **HDMI Port**

HDMI ™ The HDMI port is HDCP 2.3 compliant and supports Dolby TrueHD and DTS
HIGH-DEFINITION MULTIMEDIA INTERFACE HD Master Audio formats. It also supports up to 192KHz/24bit 7.1-channel LPCM audio output. You can use this port to connect your HDMI-supported monitor. The maximum supported resolution is 4096x2160@60 Hz, but the actual resolutions supported are dependent on the monitor being used.

After installing the HDMI device, make sure to set the default sound playback device to HDMI. (The item name may differ depending on your operating system.)

(Note)   To enable the Q-Flash Plus function, refer to "Chapter 3" of the manual.

USB 3.2 Gen 1 Port
The USB 3.2 Gen 1 port supports the USB 3.2 Gen 1 specification and is compatible to the USB 2.0 specification. Use this port for USB devices.

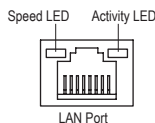**USB4® USB Type-C® Port (DisplayPort)**
This port supports standard USB4® USB Type-C® and DisplayPort display output. You can connect a USB4® USB Type-C® monitor to this port or use an adapter cable to connect a standard DisplayPort monitor. The maximum supported resolution is 3840x2160@240 Hz Hz when using a DisplayPort monitor, but the actual resolutions supported are dependent on the monitor being used. Also, the connector is reversible and supports the USB4® specification and is compatible to the USB 3.2 Gen 2x2, USB 3.2 Gen 2, USB 3.2 Gen 1, and USB 2.0 specifications. You can use this port for USB devices, too.

USB 3.2 Gen 2 Type-A Port (Red) (Q-Flash Plus Port)
The USB 3.2 Gen 2 port supports the USB 3.2 Gen 2 specification and is compatible to the USB 3.2 Gen 1 and USB 2.0 specification. Use this port for USB devices. Before using Q-Flash Plus (Note), make sure to insert the USB flash drive into this port first.

RJ-45 LAN Port
The Gigabit Ethernet LAN port provides Internet connection at up to 2.5 Gbps data rate. The following describes the states of the LAN port LEDs.

Speed LED   Activity LED

LAN Port

Speed LED:

State	Description
Orange	2.5 Gbps data rate
Green	1 Gbps data rate
Off	100 Mbps data rate

Activity LED:

State	Description
Blinking	Data transmission or receiving is occurring
Off	No data transmission or receiving is occurring

USB 3.2 Gen 2 Type-A Port (Red)
The USB 3.2 Gen 2 port supports the USB 3.2 Gen 2 specification and is compatible to the USB 3.2 Gen 1 and USB 2.0 specification. Use this port for USB devices.

Antenna Connectors (2T2R)
Use this connector to connect an antenna.

Ensure the antenna is securely connected to the antenna connectors and then aim the antennas correctly for better signal reception.

Line Out/Front Speaker Out
The line out jack.

Mic In/Rear Speaker Out
The Mic in jack.

Optical S/PDIF Out Connector
This connector provides digital audio out to an external audio system that supports digital optical audio. Before using this feature, ensure that your audio system provides an optical digital audio in connector.

(Note)   To enable the Q-Flash Plus function, refer to "Chapter 3" of the manual.

Audio Jack Configurations:

Jack	Headphone/ 2-channel	4-channel	5.1-channel	7.1-channel
❶ Line Out/Front Speaker Out	✔	✔	✔	✔
❷ Mic In/Rear Speaker Out		✔	✔	✔
Front Panel Line Out/Side Speaker Out				✔
Front Panel Mic In/Center/Subwoofer Speaker Out			✔	✔

You can change the functionality of an audio jack using the audio software. To configure 7.1-channel audio, access the audio software for audio settings.
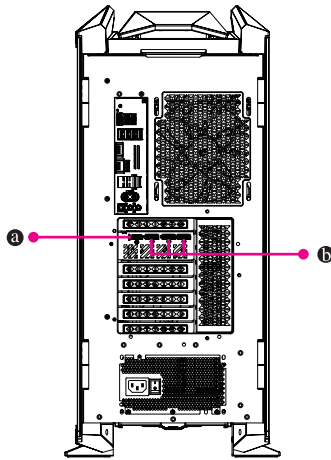
☞ Please visit GIGABYTE's website for details on configuring the audio software.
https://www.gigabyte.com/WebPage/698/realtek1220-audio.html

⚠ • When removing the cable connected to a back panel connector, first remove the cable from your device and then remove it from the motherboard.
• When removing the cable, pull it straight out from the connector. Do not rock it side to side to prevent an electrical short inside the cable connector.

Back View-B

ⓐ **HDMI Port**

HDMI™ The connector supports HDMI 2.1b version.
HIGH-DEFINITION MULTIMEDIA INTERFACE

ⓑ **DisplayPort**

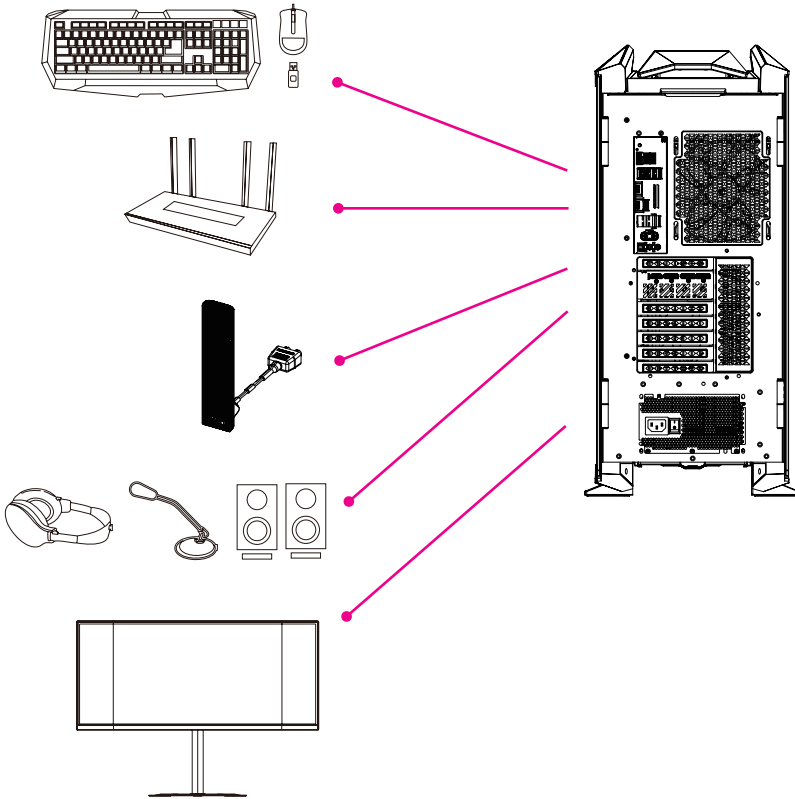The connector supports DisplayPort 2.1b version.

1-3   Getting Started

- This product is designed and intended to be used in vertical position only.
- Peripheral devices are not included.
- We recommend that you connect the monitor cable to the graphics card.

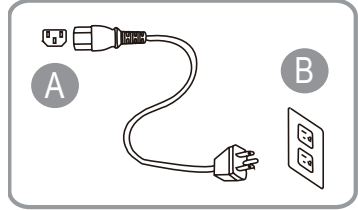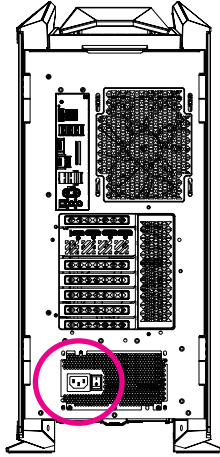Before making the connections, please open the case and remove the protection foam bag inside.

Connecting Peripheral Devices

Connect your peripheral devices such as keyboard, mouse, monitor, and etc. to the desktop computer.
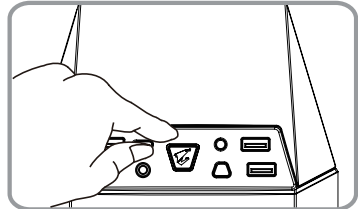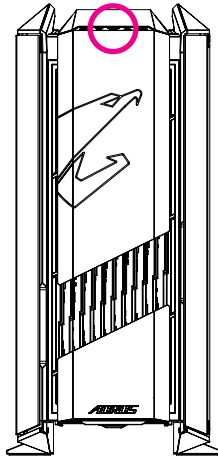
Connecting the Power Cord

Connect the included power cord to the desktop computer and a power outlet.

Turning on

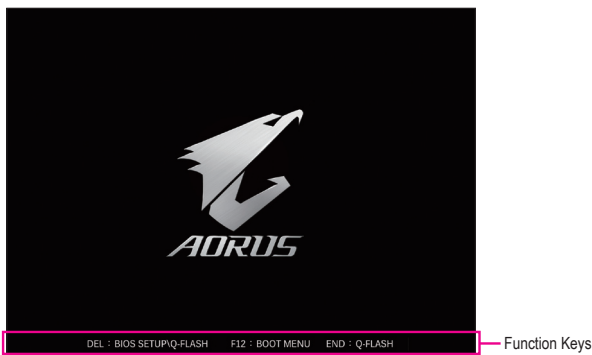Press the power button to turn on the desktop computer.

Chapter 2   BIOS Setup

Entering the BIOS Setup

To access the BIOS Setup program, press the <Delete> key during the POST when the power is turned on. 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.

Startup Screen
The following startup Logo screen will appear when the computer boots.

DEL：BIOS SETUP\Q-FLASH   F12：BOOT MENU   END：Q-FLASH — Function Keys

Function Keys:
<DEL>: BIOS SETUP\Q-FLASH

Press the <Delete> key to enter BIOS Setup or to access the Q-Flash utility in BIOS Setup.

<F12>: BOOT MENU

Boot Menu allows you to set the first boot device without entering BIOS Setup. In Boot Menu, use the up arrow key <↑> or the down arrow key <↓> to select the first boot device, then press <Enter> to accept. The system will boot from the device immediately.

Note: The setting in Boot Menu is effective for one time only. After system restart, the device boot order will still be based on BIOS Setup settings.

<END>: Q-FLASH

Press the <End> key to access the Q-Flash utility directly without having to enter BIOS Setup first.

> • Because BIOS flashing is potentially risky, if you do not encounter problems using the current version of BIOS, it is recommended that you not 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. (Refer to the "Load Optimized Defaults" section for how to clear the CMOS values.)
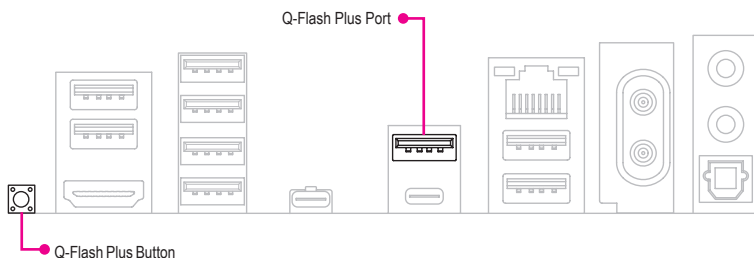
Chapter 3   Appendix

3-1   Using Q-Flash Plus

A. Before You Begin
1. From GIGABYTE's website, download the latest compressed BIOS update file that matches your product model.
2. Uncompress the downloaded BIOS file, save it to your USB flash drive, and rename it to **GIGABYTE.bin**.
   Note: The USB flash drive must use the FAT32/16 file system and it must be a USB 2.0 flash drive.
3. Connect the power cables to the 12V power connector (connect either one if there are two) and main power connector.
4. Please turn on the power supply before connecting the USB flash drive to the Q-Flash Plus port on the back panel.

B. Using Q-Flash Plus
Press the Q-Flash Plus button and the system will automatically search and match the BIOS file in the USB flash drive on the Q-Flash Plus port. The Q-Flash Plus button will flash during the BIOS matching and flashing process. Wait for 6-8 minutes and the LEDs will stop flashing when the BIOS flashing is complete.
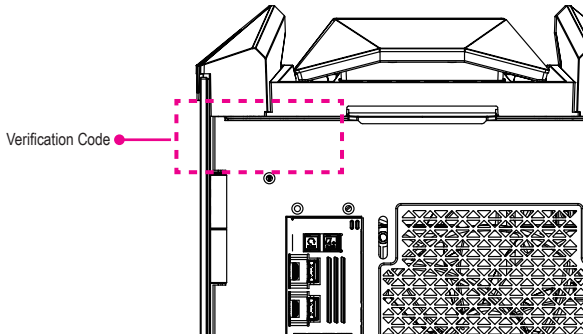

Q-Flash Plus Port

Q-Flash Plus Button

> • If you choose to update the BIOS manually, first make sure that your system is off (S5 shutdown state).
> • If your motherboard has a BIOS switch and a SB switch, reset them to their default settings. (Default setting for the BIOS switch: Boot from the main BIOS; default setting for the SB switch: Dual BIOS)
> • The DualBIOS™ feature will continue to update the backup BIOS after the main BIOS has been flashed and the system restarts. After completion, the system will reboot again and boot from the main BIOS.
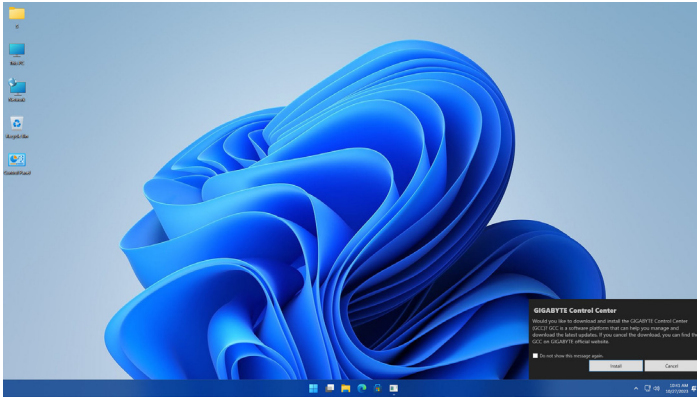
3-2   Installing the Operating System

✎
  - There is a verification code attached to the upper left corner of the case back panel (as shown in the picture). If product repair is required, this verification code must be provided. Please keep it safe and it is recommended to take a photo backup for any future use.
  - Before installation, please ensure that the system is connected to the internet.

According to the instructions on the case, remove all protective materials, correctly connect the power and other interface devices, and press the system power button to enter the Windows Out-of-Box Experience (OOBE) screen. When the screen appears, please enter your Microsoft account to log in (if you do not have a Microsoft account, you can choose 'Create a new account now'). Next, simply follow the on-screen instructions to complete the basic OOBE setup. Once this process is complete, it will automatically enter the Windows 11 desktop.
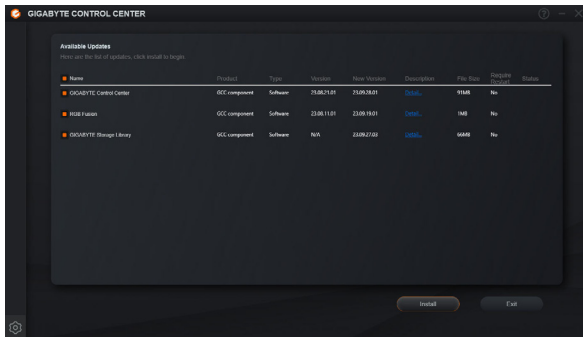

Verification Code

A. Install the Motherboard Drivers

After you install the operating system, a dialog box will appear on the bottom-right corner of the desktop asking if you want to download and install the motherboard drivers and GIGABYTE applications via GIGABYTE Control Center (GCC). Click **Install** to proceed with the installation. (In BIOS Setup, make sure **Settings\IO Ports\ Gigabyte Utilities Downloader Configuration\Gigabyte Utilities Downloader** is set to **Enabled**.)

When the EULA (End User License Agreement) dialog box appears, press <Accept> to install GIGABYTE Control Center (GCC). On the GIGABYTE CONTROL CENTER screen, select the drivers and applications you want to install and click **Install**.

B. Install the Graphics Card Drivers

Please download the graphics card driver and utilities from GIGABYTE's website.

System recovery (Restore your operating system)

When something is going wrong with the laptop operating system, the storage of the laptop has a hidden partition containing a full back up image of the operating system that can be used to restore the system to factory default settings.

> • If the storage has been switched or the partition deleted, the recovery option will no longer be available and a recovery service will be needed.
> • The recovery function is only available on devices with O/S preinstalled. Devices with EFI SHELL do not have the recovery function.

Launch system recovery

The system recovery feature is preinstalled before the laptop is shipped from the factory. The option menu allows you to launch the Windows recovery tool to reinstall the operating system to factory default. The brief introduction below will show you how to start the recovery tool and restore your system.

Recovery Guide:
Step 1:
Turn off and restart the system.

Step 2:
During the turn on process, press and hold F9 key to launch the tool.

Step 3:

Choose "Troubleshoot" to enter the recovery settings. (Also you can choose "Continue" to exit recovery system and continue to System for files or data backup.)

There are two options for system recovery:
• Reset this PC:
  You can choose to keep or remove your files and then reinstalls Windows without losing your files.
• Smart Recovery:
  Your PC settings will be restored to factory default settings. Caution: All personal data and files will be lost.

Step 4:

The recovery will be activated and you will see the option buttons on the window. Click on "Yes" to start it.

> • Once the "Recovery" is selected, your personal data and files will be deleted after the laptop starts restoring, and the operating system will be reset to factory default settings.
> • A progress indicator bar will show on the window when the recovery process is running. Do not turn off the power.

After the system recovery is completed, you will see the option button on the window, please click on "Shutdown".

Step 5:

Advanced options

System Restore
Use a restore point recorded on your PC to restore Windows.

System Image Recovery
Recover Windows using a specific system image file.

Startup Repair
Fix problems that keep Windows from loading.

Command Prompt
Use the Command Prompt for advanced trobleshooting.

UEFI Firmware Settings
Change settings in your PC's UEFI firmware.

Startup Settings
Change Windows Startup behavior.

RGB Visual Feast

You can switch lighting modes using the physical LED light control button, and enjoy a stunning lighting experience with 16.77 million colors and various lighting effects supported by the software. (Note)

Using Instructions

❶ Short press the LED button:
Cycle through 13 preset RGB lighting effects.

❷ Long press the LED button for 3-6 seconds:
After the white light flashes, the RGB lighting can be controlled by the motherboard to achieve RGB synchronization. Long press again for 3-6 seconds to return to mode ❶. (*RGB lighting effects and software types depend on motherboard support.)

❸ Long press the LED button for more than 6 seconds:
After the white light flashes, turn off the RGB lighting effects. Short press again to turn them back on.

(Note)   RGB lighting effects and software types depend on motherboard support.

Contact Us

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Tech. and Non-Tech. Support (Sales/Marketing) : https://esupport.gigabyte.com
WEB address (English): https://www.gigabyte.com
WEB address (Chinese): https://www.gigabyte.com/tw

- **GIGABYTE eSupport**

  To submit a technical or non-technical (Sales/Marketing) question, please link to:
  https://esupport.gigabyte.com