GIGABYTE™

AORUS PRIME 5 AP551
GIGABYTE Desktop PC

User's Manual

Rev. 1005

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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 Startup 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

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Box Contents

- ☑ AORUS PRIME 5 AP551 Gaming Desktop PC
- ☑ Quick Startup Guide
- ☑ Antennas
- ☑ 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 Installation

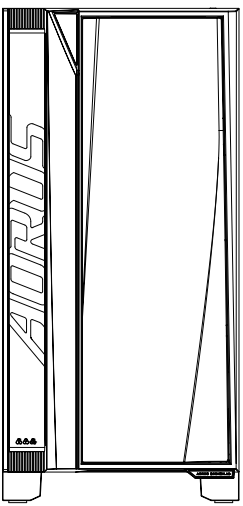
1-1 Safety Information

- Keep the plastic packaging bag for the product in a place that cannot be reached by children.
- 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: 5~35°C.
- 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.
- Many injuries, particularly to children, can be avoided by taking simple precautions such as:
  - ALWAYS educate children about the dangers of climbing on furniture to reach the product or its controls.
  - ALWAYS route cords and cables connected to your product so they cannot be tripped over, pulled or grabbed.
  - NEVER place a product in an unstable location.
  - If the existing product is to be retained and reinstalled, the same safety precautions as stated above must be observed.
  - To prevent personal injury or product damage caused by the unit tipping over due to earthquakes or other impacts, be sure to install the product in a stable location and take measures to prevent it from falling.

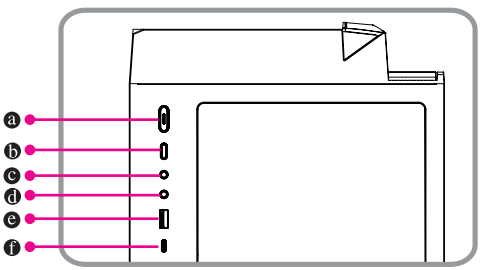
1-2 Hardware Information

System Overview

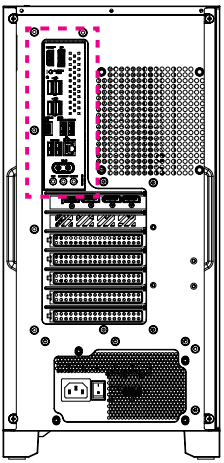
Front View



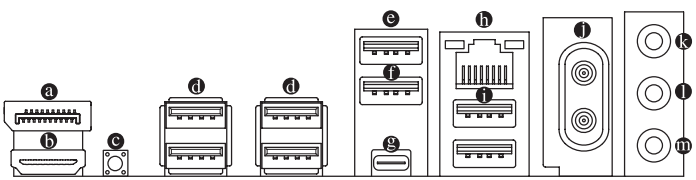
Top View



ⓐ	**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.
ⓒ	**Mic In** The Mic in jack.
ⓓ	**Line Out** The line out jack.
ⓔ	**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 (with USB 3.2 Gen 1 Support)*** The reversible USB port supports the USB 3.2 Gen 1 specification and is compatible to the USB 2.0 specifications. Use this port for USB devices.



Back View-A



ⓐ DisplayPort

DisplayPort delivers high quality digital imaging and audio, supporting bi-directional audio transmission. You can use this port to connect your DisplayPort-supported monitor. Note: The DisplayPort Technology can support a maximum resolution of 3840x2160@144 Hz but the actual resolutions supported depend on the monitor being used.

ⓑ HDMI Port

HDMI™ HIGH-DEFINITION MULTIMEDIA INTERFACE The HDMI port is HDCP 2.3 compliant and supports Dolby TrueHD and DTS 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 DisplayPort/HDMI device, make sure to set the default sound playback device to DisplayPort/HDMI. (The item name may differ depending on your operating system.)

ⓒ 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.

ⓔ 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.

ⓕ USB 3.2 Gen 2 Type-A Port (Red) (Q-Flash Plus Port)*

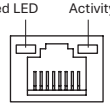
The USB 3.2 Gen 2 port supports the USB 3.2 Gen 2 specification and is compatible to the USB 3.2 Gen 1 and USB 2.0 specification. Use this port for USB devices. Before using Q-Flash Plus (Note), make sure to insert the USB flash drive into this port first.

ⓖ USB Type-C® Port (with USB 3.2 Gen 1 Support)*

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

ⓗ RJ-45 LAN Port

The LAN port provides an Internet connection with data rates of up to 2.5 Gbps. The following describes the states of the LAN port LEDs.



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 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.

ⓙ 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.

*** USB Type-C® Port**
- Data Transfer (R/W): USB 3.2 Gen 1
- Power Delivery IN: no support input, total output power 15W
- Type-C Output: Single output 5V/3A

*** USB 3.2 Gen 2 Type-A Port**
- Data Transfer (R/W): USB 3.2 Gen 2
- Power Delivery IN: no support input, total output power 5W
- Output: Single output 5V/1A

*** USB 3.2 Gen 1 Port**
- Data Transfer (R/W): USB 3.2 Gen 1
- Power Delivery IN: no support input, total output power 5W
- Output: Single output 5V/1A

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

ⓚ Line In/Rear Speaker Out (Blue)

The line in jack.

ⓛ Line Out/Front Speaker Out (Green)

The line out jack.

ⓜ Mic In/Center/Subwoofer Speaker Out (Pink)

The Mic in jack.

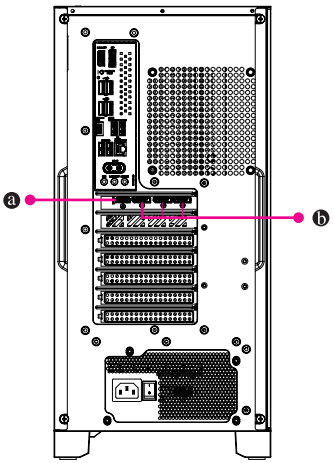
Audio Jack Configurations:

Jack	Headphone/ 2-channel	4-channel	5.1-channel	7.1-channel
ⓚ Line In/Rear Speaker Out		✔	✔	✔
ⓛ Line Out/Front Speaker Out	✔	✔	✔	✔
ⓜ Mic In/Center/Subwoofer Speaker Out			✔	✔
Front Panel Line Out/Side 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/697/realtek897-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**

The connector supports HDMI 2.1b version. The maximum supported resolution is 7680x4320@60 Hz, but the actual resolutions supported are dependent on the monitor being used.

ⓑ **DisplayPort**

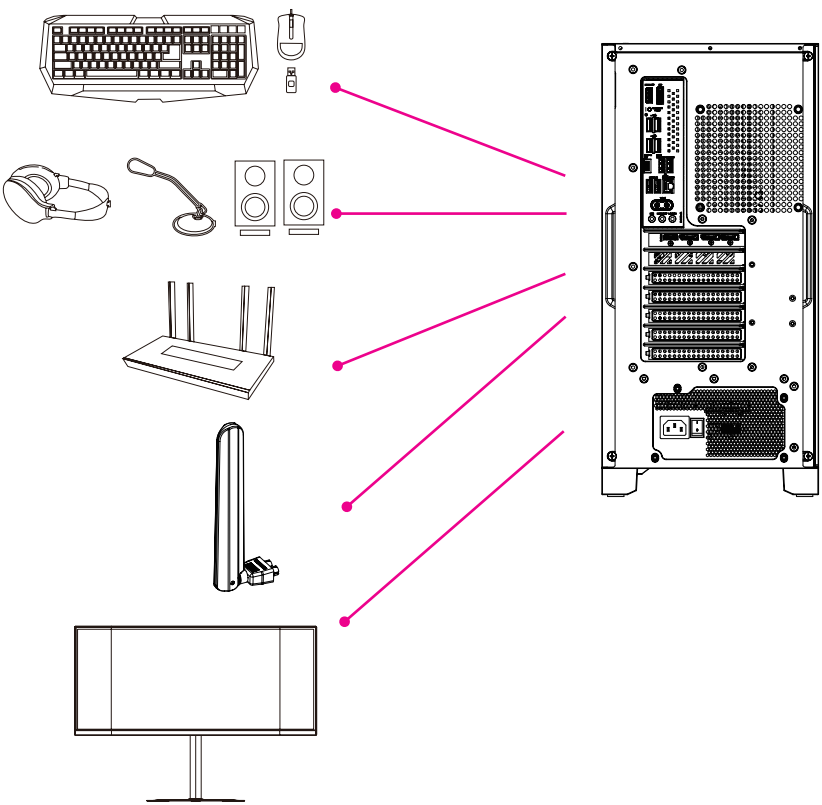
The connector supports DisplayPort 2.1b version. The maximum supported resolution is 7680x4320@120 Hz / 60Hz, but the actual resolutions supported are dependent on the monitor being used.

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.

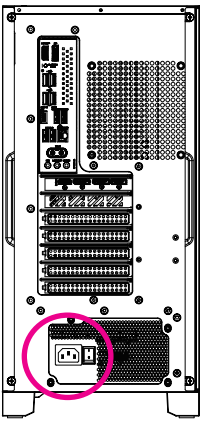
Connecting Peripheral Devices

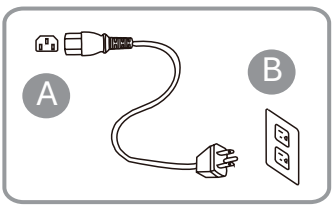
Connect your peripheral devices such as keyboard, mouse, monitor, and etc. to the desktop computer.



Connecting the Power Cord

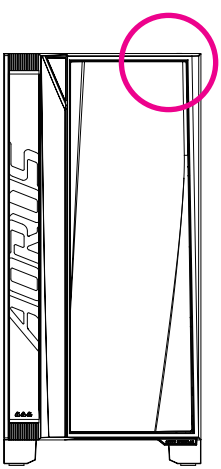
Connect the included power cord to the desktop computer and a power outlet.

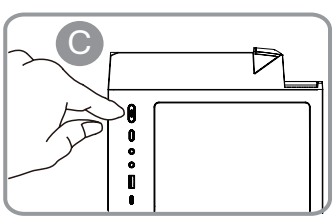




Turning On

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.

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

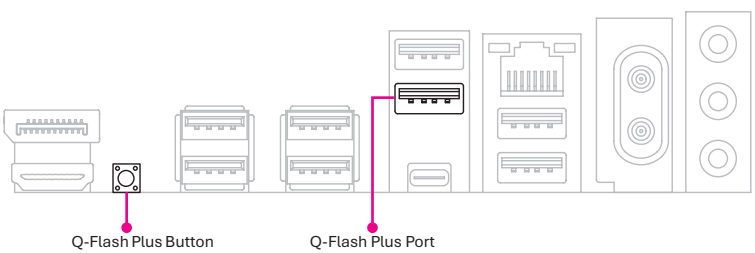
3-1 Using Q-Flash Plus

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 FAT32 file system.)
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 QFLED 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.



- 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 Operating System Installation (Note)

- **OA3.0:**

First-Time Startup

When you start the computer for the first time, the Windows® operating system will guide you through a series of setup screens. Please follow the on-screen instructions to complete the basic personalization settings. The setup items include:

- Personalize
- Get online
- Settings
- Your account

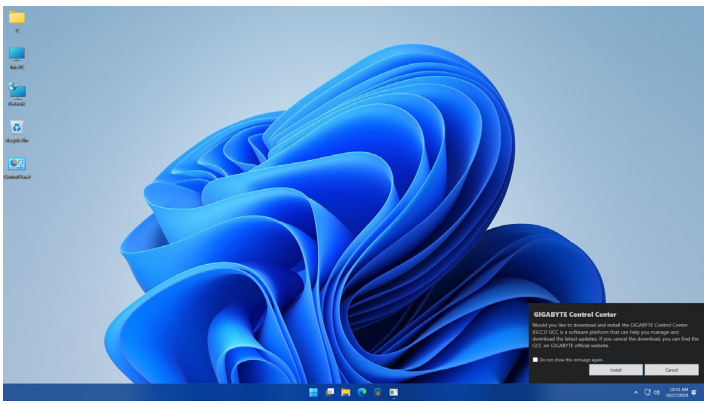
After completing the basic setup steps, Windows® will begin installing applications and applying your preferences. Please ensure that the computer is connected to a stable and sufficient power source during the setup process. Once you have successfully signed in to your user account, the desktop screen will appear.

The appearance of the operating system may vary depending on your actual usage and configuration.

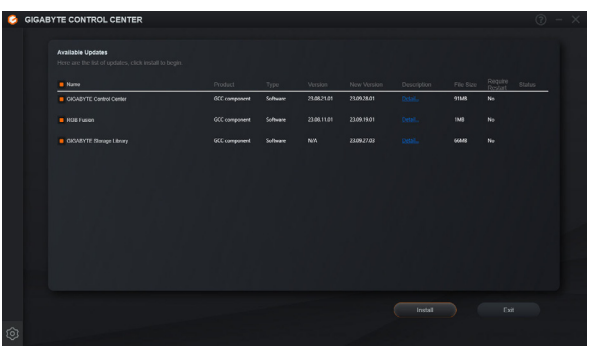
(Note) Whether an operating system is included depends on the actual model.

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.

PRODUCT WARRANTY

- GIGABYTE product warranty terms may differ for each region. The products are subject to regional limited warranty terms based on where the product was purchased.
- Consumers of GIGABYTE AI TOP system products are protected for the AI TOP system from the date of purchase. This warranty applies for the period defined on the product webpage or the label sticker of the product. If you choose the AI TOP systems that marked as the "USED" or "Open-Box" or "Refurbished," GIGABYTE will provide the limited warranty service according to the related policies.
- The warranty service provided by GIGABYTE AI TOP system is valid from the date of purchase. Consumers are required to provide a valid receipt or invoice with the date of purchase and dealer being recognizable. If the Consumer cannot provide valid proof of purchase, GIGABYTE reserves the right to review and authorize the period of warranty service.
- To have the complete warranty service, Consumers must complete the product registration of global warranty service. Some of the services may not be available if the consumers have not completed the product registration process. Register your products at: https://profile.gigabyte.com/Login.aspx?S=GIGABYTE
- GIGABYTE is not the manufacturer of software or operating systems and does not guarantee that software or operating systems will be free from errors, either in isolation or in combination with hardware. For your Product, GIGABYTE will assist the original purchaser with (i) installation of any operating system software purchased from GIGABYTE; (ii) configuration of the operating system software; (iii) setup of the operating system software; and (iv) troubleshooting issues associated with the operating system software.

WARRANTY SERVICE

- When consumers have concerns of product quality during the product warranty period, GIGABYTE will provide free services by the warranty content. The warranty content includes applying the replacement parts of the same specifications or provision of additional services by GIGABYTE. The components provided by the repair service are still consistent with the same warranty criteria as the original products. Parts that have been replaced during service are property of GIGABYTE.
- To ensure the efficiency of warranty service. GIGABYTE will provide repair services to Consumers based on the components supplied by the local authorized service center when Consumers request the service of global warranty in a different region.
- This warranty did not include failure caused by improper installation, operation, cleaning or maintenance, accident, damage, misuse, abuse, non-GIGABYTE modifications to the product, any third-party software programs, normal wear and tear or any other event, act, default or omission outside GIGABYTE' control. For further details, please see Exclusion of Warranty section of this warranty terms.

Personal Data

- The personal data collected during the product registration will be used by GIGABYTE and the authorized service centers in accordance with our Privacy Policy. (https://profile.gigabyte.com/PrivacyPolicy.aspx?l=en-US), solely for the purposes of providing product service.

When using the product

- Read the user manual first and use the Product only according to the user manual.
- Periodically back up your data stored on the Product.
- Keep the original packaging. In case the Product needs to be returned for repair, original packaging provides better protection for the Product during transportation.
- Please check the manual and the GIGABYTE support website for troubleshooting solutions, before contacting customer service.

When contacting the GIGABYTE technical support

- Before contacting GIGABYTE technical support, ensure that You have the Product in front of You and that it is turned on, if feasible. Please also be ready to provide the Product's serial number, the model's name and proof of purchase.
- You will be requested by GIGABYTE to perform some of the Product's troubleshooting tasks or actions, which may include the following:
  - ✓ Restoring the Product's operating system, factory-installed drivers, and applications to the factory default settings.
  - ✓ Installing updates, patches or service packs.
  - ✓ Running diagnostic tools and programs on the Product.
  - ✓ Allowing the GIGABYTE technical support agent to access the Product with remote diagnostic tools (when available).
  - ✓ Performing other reasonable activities requested by GIGABYTE, which will assist in identifying or resolving the problems.
  - ✓ If the problem is not solved remotely, you will have to return the Product to a GIGABYTE Repair Center (this process is called "RMA"). GIGABYTE will issue an RMA number for Your Product. Please record Your RMA Number for tracking purposes.
  - ✓ Describe the problem clearly and completely on the RMA request form.
  - ✓ Enclose a copy of this completed warranty card and a copy of Your sales invoice/receipt detailing the purchase of Your Product. (Please note: GIGABYTE reserves the right to request the original documents.) If you do not provide the requested documents for warranty validation, then the manufacture date of the Product as recorded by GIGABYTE will be deemed to be the start of Warranty Period.
  - ✓ Ensure that you have fully backed up all the data stored on Your Product and removed any personal, confidential, or proprietary information before any service process is started. You agree that GIGABYTE may delete any data, software, or programs installed on the Product without restoring them. GIGABYTE shall not be held liable for the permanent loss, damage, or misuse of your data.

✓ Pack the Product in safe and stable packaging. The original packaging may be useful for this purpose. In any case, the packaging should meet the following requirements: please reference packing guideline, we strongly suggest to retain the original packaging and place the items in a durable carton. GIGABYTEs have the final authority If any damage happed cause by non- GIGABYTE package.

- Use a rigid box with flaps intact
- Remove any labels, hazardous materials indicators, and other previous shipment markings on the box that are no longer applicable
- Wrap all items separately
- Use adequate cushioning material
- Use strong tape designed for shipping
- Do not use string or paper over-wrap
- Use a single address label that has clear, complete delivery and return information
- Place a duplicate address label inside the package
- Please do not send anything but the Product itself unless specifically requested by GIGABYTE
- Please remove any accessories as well as any removable storage devices such as memory cards, discs, flash drives, from the Product. GIGABYTE shall have no liability for the loss, damage or destruction of accessories or removable storage devices, unless they are caused by willful or gross negligent acts by GIGABYTE

✓ Remove or provide any password that You assigned to the Product. If access to the Product is blocked by passwords, then GIGABYTE may not detect and repair all failures of the Product.

✓ GIGABYTE has provided an online query system of service status. Please prepare the RMA number with the information requested in the process to check the status of repair service. You can visit the query system easily by scanning the QR code as follows:

RMA Methods

If RMA is necessary, below are the types of warranty support service that may applicable to the product of service you have purchased. These services may not be available in all countries or regions, and may have fees or restrictions accordingly by different countries. For more details, please contact GIGABYTE call center indicated on GIGABYTE support site at https://www.gigabyte.com/Support

➢ Carry-In

It will be required that the defective product be brought to a GIGABYTE repair center for repair. You need to pay for any transportation, taxes, or duties associated with transporting the product to and from the GIGABYTE repair center location. In addition, you are responsible for insuring any product shipped or returned to a GIGABYTE repair center and assume the risk of loss during transportation.

- Mail-In
  I will be required that the defective product be delivered to a GIGABYTE repair center for repair. You need to prepay any shipping charges, taxes, or duties associated with transporting the product to and from the GIGABYTE repair center location. In addition, you are responsible for insuring any product shipped or returned to a GIGABYTE repair center and assume the risk of loss during transportation. GIGABYTE repair center will ship the repaired product to you without any logistic cost.
- Pick up & return (Option, base on Market and Channel different T&C)
  GIGABYTE repair center will pick up the defective product from your location, repair it, then return it to you. GIGABYTE will incur logistics and insurance fee for the service.

Exclusion of Warranty

1. The product warranty does not cover the bundle accessories like software installation disc/user manual/related packaging consumables, and also the promotional gift items like peripheral devices/carrying bags/backpacks provided by GIGABYTE.
2. If there is any abnormality that cannot be attributed to GIGABYTE during the warranty period, it is not covered by the warranty. The Customer is responsible for the cost of service. Such as described below.
   - Natural disasters, accidents or the customer induced damage.
   - Unauthorized repairs and modifications.
   - Unauthorized dismantling or vandalism.
   - Use components not listed in the approved parts list (QVL) of GIGABYTE AI TOP system products.
   - Operations for testing or evaluation.
3. GIGABYTE reserves the right to determine the responsibility for failure according to the phenomena of issues where the Consumer does not use the product according to the product-related usage.
4. The warranty for extended service or upgrade provided by the Resellers themselves shall be responsible by the Reseller as they promised. The Consumer shall not require service responsibility toward GIGABYTE.
5. The global warranty will be voided if the warranty/serial-number sticker attached to the product is lost or unable to be recognized.
6. GIGABYTE Global Warranty provides the corresponding warranty service according to the local authorized items of each country. When the Consumer proposes the request of cross-regional warranty service outside region of purchase, the service will be provided according to the service availability of the warranty service location.
7. The personal data in the AI TOP system products may be lost due to repairing purpose or the system restoring process. Consumers need to complete the backup of personal data before the product is sent for repair. During the repair process, GIGABYTE will not be responsible for personal data safety and rescue.
8. Shipping and taxes: Shipping and taxes for global warranty will be the responsibility of the User.

9. It is recommended that Users choose the packaging material with complete protection or use the original packaging to send the product to ensure the safety of the product during delivery. GIGABYTE will not be responsible for the loss/damage during transportation.
10. The global repair center provides repair services according to the authorized items. For the technical support requirement of product usage, please contact the local customer service center or eSupport according to the instructions.
11. GIGABYTE Global repair Center will complete the repair service for you as soon as possible after receiving your product, but the repair time will be affected if the repair components are not available locally.
12. The global repair service is only available for the complete system but not the individual modules only such as hard drives, SSDs, or memory.
13. After the product has been used over the warranty period provided by GIGABYTE, the corresponding service fee will be charged according to the repair/replace components and service items.

Regulatory Notices

United States of America, Federal Communications Commission Statement

Supplier's Declaration of Conformity
47 CFR § 2.1077 Compliance Information

Product Name: **GIGABYTE DESKTOP PC**
Trade Name: **AORUS**
Model Number: **AP551**

Responsible Party – U.S. Contact Information: **G.B.T. Inc.**
Address: 17358 Railroad street, City Of Industry, CA91748
Tel.: 1-626-854-9338
Internet contact information: https://www.gigabyte.com

FCC Compliance Statement:
This device complies with Part 15 of the FCC Rules, Subpart B, Unintentional Radiators.
Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FEDERAL COMMUNICATIONS COMMISSION INTERFERENCE STATEMENT
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

CAUTION:
Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the equipment.
This device meets all the other requirements specified in Part 15E, Section 15.407 of the FCC Rules.
This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and
(2) this device must accept any interference received, including interference that may cause undesired operation.
FCC regulations restrict the operation of this device to indoor use only.
The operation of this device is prohibited on oil platforms, cars, trains, boats, and aircraft, except that operation of this device is permitted in large aircraft while flying above 10,000 feet in the 5.925-6.425 GHz band.
Operation of transmitters in the 5.925-7.125 GHz band is prohibited for control of or communications with unmanned aircraft systems.

RF Exposure warning
This equipment must be installed and operated in accordance with provided instructions and the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter. End-users and installers must be provide with antenna installation instructions and transmitter operating conditions for satisfying RF exposure compliance.

RF Caution Statement
Warning: Any changes or modifications not expressly approved by party responsible for compliance could void your arthority to operate the equipment.

RF Exposure warning
FCC regulations restrict the operation of this device to indoor use. The operation of this device is prohibited on oil platforms, cars, trains, boats, and aircraft, except that operation of this device is permitted in large aircraft while flying above 10,000 feet.

The following safety precautions should be observed:
- Do not touch or move antenna while the unit is transmitting or receiving.
- Do not hold any component containing the radio such that the antenna is very close or touching any exposed parts of the body, especially the face or eyes, while transmitting.
- Do not operate the radio or attempt to transmit data unless the antenna is connected; if not, the radio may be damaged.
- Use in specific environments:
  - The use of wireless devices in hazardous locations is limited by the constraints posed by the safety directors of such environments.
  - The use of wireless devices on airplanes is governed by the Federal Aviation Administration (FAA).
  - The use of wireless devices in hospitals is restricted to the limits set forth by each hospital.

Antenna Warning:
The wireless adapter is not designed for use with high-gain antennas.

Explosive Device Proximity Warning
Warning: Do not operate a portable transmitter (such as a wireless network device) near unshielded blasting caps or in an explosive environment unless the device has been modified to be qualified for such use.

Use On Aircraft Caution
Caution: Regulations of the FCC and FAA prohibit airborne operation of radio-frequency wireless devices because their signals could interfere with critical aircraft instruments.

Other Wireless Devices
Safety Notices for Other Devices in the Wireless Network: Refer to the documentation supplied with wireless Ethernet adapters or other devices in the wireless network.

Innovation, Science and Economic Development Canada(ISED) Compliance Statement
This device complies with ISED's licence-exempt RSSs. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Le présent appareil est conforme aux CNR d' ISED applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :
1) le dispositif ne doit pas produire de brouillage préjudiciable, et (2) ce dispositive doit accepter tout brouillage reçu, y compris un brouillage susceptible de provoquer un fonctionnement indésirable.
CAN ICES-003(B) / NMB-003(B)

Warning:
(i) the device for operation in the band 5150-5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems;
(ii) the maximum antenna gain permitted for devices in the bands 5250-5350 MHz and 5470-5725 MHz shall comply with the e.i.r.p. limit; and
(iii) the maximum antenna gain permitted for devices in the band 5725-5825 MHz shall comply with the e.i.r.p. limits specified for point-to-point and non point-to-point operation as appropriate. High-power radars are allocated as primary users (i.e. priority users) of the bands 5250-5350 MHz and 5650-5850 MHz and that these radars could cause interference and/or damage to LE-LAN devices.
Avertissement:
(i) les dispositifs fonctionnant dans la bande 5150-5250 MHz sont réservés uniquement pour une utilisation à l'intérieur afin de réduire les risques de brouillage préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux;
(ii) le gain maximal d'antenne permis pour les dispositifs utilisant les bandes 5250-5350 MHz et 5470-5725 MHz doit se conformer à la limite de p.i.r.e.;
(iii) le gain maximal d'antenne permis (pour les dispositifs utilisant la bande 5725-5825 MHz) doit se conformer à la limite de p.i.r.e. spécifiée pour l'exploitation point à point et non point à point, selon le cas.
De plus, les utilisateurs de radars de haute puissance sont désignés utilisateurs principaux (c.-à-d., qu'ils ont la priorité) pour les bandes 5250-5350 MHz et 5650-5850 MHz et que ces radars pourraient causer du brouillage et/ou des dommages aux dispositifs LAN-EL.

Radiation Exposure Statement:
This equipment complies with ISED radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with greater than 20cm between the radiator & your body.

Déclaration d'exposition aux radiations:
Cet équipement est conforme aux limites d'exposition aux rayonnements ISED établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé à plus de 20 cm entre le radiateur et votre corps.

Warning:
Devices shall not be used for control of or communications with unmanned aircraft systems.
Devices shall not be used on oil platforms.
Devices shall not be used on aircraft
Devices shall not be used on automobiles.
Devices shall not be used on trains.
Devices shall not be used on maritime vessels.
Operation shall be limited to indoor use only.
Mise en garde:
Les appareils ne doivent pas être utilisés pour contrôler ou communiquer avec des systèmes d'aéronefs sans pilote.
Les appareils ne doivent pas être utilisés sur des plateformes pétrolières.
Les appareils ne doivent pas être utilisés à bord d'aéronefs.
Les appareils ne doivent pas être utilisés à bord d'automobiles.
Les appareils ne doivent pas être utilisés à bord de trains.
Les appareils ne doivent pas être utilisés à bord de navires.
L'utilisation doit être limitée à un usage intérieur uniquement.

Devices shall not be used for control of or communications with unmanned aircraft systems.
Operation shall be limited to indoor use only.
Operation on oil platforms, automobiles, trains, maritime vessels and aircraft shall be prohibited except for on large aircraft flying above 3,048 m (10,000 ft).
Les appareils ne doivent pas être utilisés pour le contrôle ou la communication avec des systèmes d'aéronefs sans pilote.
Le fonctionnement doit être limité à une utilisation en intérieur uniquement.
L'exploitation sur les plates-formes pétrolières, les automobiles, les trains, les navires maritimes et les avions est interdite, sauf sur les gros avions volant au-dessus de
3 048 m (10 000 ft).

European Union (EU) CE Declaration of Conformity
This device complies with the following directives: Electromagnetic Compatibility Directive 2014/30/EU, Low-voltage Directive 2014/35/EU, Radio Equipment Directive 2014/53/EU, ErP Directive 2009/125/EC, RoHS directive (recast) 2011/65/EU & the 2015/863 Statement. This product has been tested and found to comply with all essential requirements of the Directives.

Déclaration de Conformité aux Directives de l'Union européenne (UE)
Cet appareil portant la marque CE est conforme aux directives de l'UE suivantes: directive Compatibilité Electromagnétique 2014/30/UE, directive Basse Tension 2014/35/UE, directive équipements radioélectriques 2014/53/UE, la directive RoHS II 2011/65/UE & la déclaration 2015/863.
La conformité à ces directives est évaluée sur la base des normes européennes harmonisées applicables.

European Union (EU) CE-Konformitätserklärung
Dieses Produkte mit CE-Kennzeichnung erfüllen folgenden EU-Richtlinien: EMV-Richtlinie 2014/30/EU, Niederspannungsrichtlinie 2014/35/EU, Funkanlagen Richtlinie 2014/53/EU, RoHS-Richtlinie 2011/65/EU erfüllt und die 2015/863 Erklärung. Die Konformität mit diesen Richtlinien wird unter Verwendung der entsprechenden Standards zurEuropäischen Normierung beurteilt.

CE declaração de conformidade
Este produto com a marcação CE estão em conformidade com das seguintes Diretivas UE: Diretiva Baixa Tensão 2014/35/EU; Diretiva CEM 2014/30/EU; Diretiva RSP 2011/65/UE e a declaração 2015/863. A conformidade com estas diretivas é verifi cada utilizando as normas europeias harmonizadas.

CE Declaración de conformidad
Este producto que llevan la marca CE cumplen con las siguientes Directivas de la Unión Europea: Directiva EMC 2014/30/EU, Directiva de bajo voltaje 2014/35/EU, Directiva de equipamentos de rádio 2014/53/EU, Directiva RoHS 2011/65/EU y la Declaración 2015/863. El cumplimiento de estas directivas se evalúa mediante las normas europeas armonizadas.

CE Dichiarazione di conformità
I prodotti con il marchio CE sono conformi con una o più delle seguenti Direttive UE, come applicabile: Direttiva EMC 2014/30/UE, Direttiva sulla bassa tensione 2014/35/UE, Direttiva di apparecchiature radio 2014/53/UE, Direttiva RoHS 2011/65/EU e Dichiarazione 2015/863. La conformità con tali direttive viene valutata utilizzando gli Standard europei armonizzati applicabili.

Deklaracja zgodności UE Unii Europejskiej
Urządzenie jest zgodne z następującymi dyrektywami: Dyrektywa kompatybilności elektromagnetycznej 2014/30/UE, Dyrektywa niskonapięciowej 2014/35/UE, Dyrektywa urządzeń radiowych 2014/53/UE, Dyrektywa RoHS 2011/65/UE i dyrektywa2015/863. Niniejsze urządzenie zostało poddane testom i stwierdzono jego zgodność z wymaganiami dyrektywy.

ES Prohlášení o shodě
Toto zařízení splňuje požadavky Směrnice o Elektromagnetické kompatibilitě 2014/30/EU, Směrnice o Nízkém napětí 2014/35/EU, Směrnice o rádiových zařízeních 2014/53/EU, Směrnice RoHS 2011/65/EU a 2015/863. Tento produkt byl testován a bylo shledáno, že splňuje všechny základní požadavky směrnic.

EK megfelelőségi nyilatkozata
A termék megfelelnek az alábbi irányelvek és szabványok követelményeinek, azok a kiállításidőpontjában érvényes, aktuális változatában: EMC irányelv 2014/30/EU, Kisfeszültségű villamos berendezésekre vonatkozó irányelv 2014/35/EU, rádióberendezések irányelv 2014/53/EU, RoHS irányelv 2011/65/EU és 2015/863.

Δήλωση συμμόρφωσης ΕΕ
Είναι σε συμμόρφωση με τις διατάξεις των παρακάτω Οδηγιών της Ευρωπαϊκής Κοινότητας: Οδηγία 2014/30/ΕΕ σχετικά με την ηλεκτρομαγνητική συμβατότητα, Οοδηγία χαμηλή τάση 2014/35/EU, Οδηγία 2014/53/ΕΕ σε ραδιοεξοπλισμό, Οδηγία RoHS 2011/65/ΕΕ και 2015/863. Η συμμόρφωση με αυτές τις οδηγίες αξιολογείται χρησιμοποιώντας τα ισχύοντα εναρμονισμένα ευρωπαϊκά πρότυπα.

EU Contact point:
Giga-Byte Technology BV
Steenoven 24, 5626 DK Eindhoven, Netherlands
Email: EU.grp@gigabyte.com

Simplified EU Declaration of Conformity
Hereby, GIGABYTE declares that this device is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU.

RF Exposure warning
This device meets the EU requirements (2014/53/EU) on the limitation of exposure of the general public to electromagnetic fields by way of health protection.
The device complies with RF specifications when the device used at 20 cm from your body.

European Community Radio Equipment Directive Compliance Statement:

This equipment complies with all the requirements and other relevant provisions of Radio Equipment Directive 2014/53/EU. This equipment is suitable for home and office use in all the European Community Member States and EFTA Member States. The low band 5.15 -5.35 GHz is for indoor use only.

CE	!	AT	CZ	ES	HR	LT	NL	SE
		BE	DE	FI	HU	LU	PO	SI
		BG	DK	FR	IE	LV	PT	SK
		CY	EE	GR	IT	MT	RO	

Wireless module manufacturer: Realtek Semiconductor Corp.
Wireless module model name: RTL8922AE

The device is restricted to indoor use only when operating in the 5150 to 5350 MHz frequency range.
This device is intended for indoor use only when operating in the frequency range 5945 to 6425 MHz which is applicable in countries that support WiFi 6E.

All operational modes:

Technologies	Frequency range (MHz)	Max. Transmit Power
Bluetooth EDR	2402-2480 MHz	15.25
Bluetooth LE	2402-2480 MHz	10.14
WLAN 2.4 GHz	2412-2472 MHz	19.16
WLAN 5 GHz	5180-5420 MHz	20.64
WLAN 5 GHz	5260-5320 MHz	20.83
WLAN 5 GHz	5500-5700 MHz	22.26
WLAN 5 GHz	5745-5865 MHz	13.39
WLAN 6 GHz	5945~6425 MHz	22.23

Taiwan NCC Wireless Statements / 無線設備警告聲明：
低功率電波輻射性電機管理辦法
(1) 取得審驗證明之低功率射頻器材，非經核准，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。低功率射頻器材之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。前述合法通信，指依電信管理法規定作業之無線電通信。低功率射頻器材須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。
(2) 應避免影響附近雷達系統之操作。

※ 產品必須貼BSMI標誌, 代表符合BSMI標準的規定。
※ 本產品設備歸類為B級資訊技訊設備(ITE)
※ 注意: 最高操作溫度35°C。
※ 連接電源插座之前, 請確認電源線規格是否符合CNS標準。
電源變壓器資訊:
輸入電壓: 100-240 Vac
輸入頻率: 50-60Hz
額定輸出電流: 12-6.5A

請勿將電池當作一般垃圾棄置。

廢電池請回收

B급 기기(가정용 방송통신기기):
이 기기는 가정용 (B 급) 으로 전자파적합등록을 한 기기로서 주로 가정에서 사용하는것을 목적으로 하며 , 모든 지역에서 사용할 수 있습니다.
5.25 GHz - 5.35 GHz 대역을 사용하는 무선 장치는 실내에서만 사용하도록 제한됩니다.

Japan VCCI Class B Statement

この装置は, クラスB機器です。この装置は, 住宅環境で使用することを目的としていますが, この装置がラジオやテレビジョン受信機に近接して使用されると, 受信障害を引き起こすことがあります。
取扱説明書に従って正しい取り扱いをして下さい。
VCCI – B

Wireless Statement:
5.15-5.35GHz及び6GHz LPI：屋内利用限定高出力データ通信システムとの通信を除く
安全にご使用いただくために接地接続は必ず電源プラグを電源につなぐ前に行って下さい。
また、接地接続を外す場合は、必ず電源プラグを電源から切り離してから行って下さい。
電源コード 警語:
- 製品には、同梱された電源コードセットを使用すること
- 同梱された電源コードセットは、他の製品に使用しないこと

Aviso da Anatel:
"Includesproduct approved by Anatel under number 04725-24-04076"
“Este equipamento não tem direito à proteção contra interferência prejudicial e não pode causar interferência em sistemas devidamente autorizados. Para mais informações, consulte o site da Anatel: https://www.gov.br/anatel/pt-br.”

Wireless module country approvals:
Wireless module manufacturer: Realtek Semiconductor Corp.
Wireless module model name: RTL8922AE

United States FCC: FCC ID: TX2-RTL8922AE	Europe: CE	South Korea NRRA: R-C-RTR-RTL8922AE 1.신고 번 Realtek Semiconductor Corp. 2.인증 번 RTL8922AE 3.인증 연설 2024 4.제조자/제조국 Realtek Semiconductor Corp./ Taiwan, China	Ukraine: UA.TR.032
Canada ISED: IC: 6317A-RTL8922AE	India WPC: ETA-SD-20231211113		CCAI23Y10120T0
Australia ACMA:	Japan 総務省: R 020-230387 T D230109020 5GHz (W52,W53) & 6GHz (LPI): 屋内限定 5GHz band (W52,W53) & 6GHz (LPI): indoor use only		United Kingdom: UK CA
Brazil: ANATEL 04725-24-04076			
China CMIT: CMIT ID: 2023AJ17867(M)			

⚠ WARNING

- **INGESTION HAZARD:** This product contains a button cell or coin battery.
- **DEATH** or serious injury can occur if ingested.
- A swallowed button cell or coin battery can cause **Internal Chemical Burns** in as little as **2 hours**.
- **KEEP** new and used batteries **OUT OF REACH of CHILDREN**
- **Seek immediate medical attention** if a battery is suspected to be swallowed or inserted inside any part of the body.

- Battery type: CR2032, voltage rating: +3VDC.
- Non-rechargeable batteries are not to be recharged.
- Remove and immediately recycle or dispose of used batteries, batteries from equipment not used for an extended period of time according to local regulations and keep away from children. Do NOT dispose of batteries in household trash or incinerate.
- Even used batteries may cause severe injury or death.
- Do not force discharge, recharge, disassemble, heat above (manufacturer's specified temperature rating) or incinerate. Doing so may result in injury due to venting, leakage or explosion resulting in chemical burns.
- For treatment information, call a local poison control center.
- The product contains non-replaceable batteries.
- For service person only:
  CAUTION: Risk of fire explosion if the battery is replaced by an incorrect type. Replace the battery only with the same type.
  警告 : 若置換不同型式之電池有起火或爆炸風險。
- à l'attention du personnel de maintenance :
  ATTENTION: Risque d'incendie et d'explosion en cas de remplacement de la batterie par un modèle incorrect. Remplacez la batterie uniquement par une batterie de même type.
- Do not ingest battery chemical burn hazard. This product contains a coin/button cell battery. if the coin/button cell battery is swallowed, it can cause severe internal burns in just 2 hours and can lead to death. keep new and used batteries away from children. If the battery compartment does not close securely, stop using the product and keep it away from children. If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention.
- Ne pas ingérer la pile, risque de brûlure chimique. Ce produit contient une pile bouton. L'ingestion de cette pile peut provoquer de graves brûlures internes en seulement 2 heures, voire la mort. Gardez les piles neuves et usagées hors de portée des enfants. Si le compartiment à piles ne se ferme pas correctement, cessez d'utiliser le produit et tenez-le hors de portée des enfants. Si vous pensez que des piles ont été avalées ou insérées dans une partie du corps, consultez immédiatement un médecin.

European Union (EU) RoHS (recast) Directive 2011/65/EU & the European Commission Delegated Directive (EU) 2015/863 Statement
GIGABYTE prohibits the intentional addition of hazardous substances (Pb, Hg, Cd, Cr^{6+}, PBB, PBDE, DEHP, BBP, DBP, and DIBP), except for uses permitted under applicable RoHS exemptions. Incidental presence of these substances shall comply with the applicable maximum concentration values (MCVs) specified in Directive 2011/65/EU, as amended by Directive (EU) 2015/863.

European Union (EU) Community Waste Electrical & Electronic Equipment (WEEE) Directive Statement
GIGABYTE will fulfill the national laws as interpreted from the 2012/19/EU WEEE (Waste Electrical and Electronic Equipment) (recast) 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.

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.

Before disposing of this device, please delete all personal data stored on it to protect your privacy.

Battery Information
European Union—Disposal and recycling information
GIGABYTE Recycling Program (available in some regions)

This symbol indicates that this product and/or battery should not be disposed of with household waste. You must use the public collection system to return, recycle, or treat them in compliance with the local regulations.

End of Life Directives-Recycling

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.

For any support regarding the EU General Product Safety Regulation (GPSR), please contact Giga-Byte Technology B.V. Steenoven 24, 5626 DK Eindhoven, Netherlands.
Email: EU.grp@gigabyte.com

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RoHS

Contact Us

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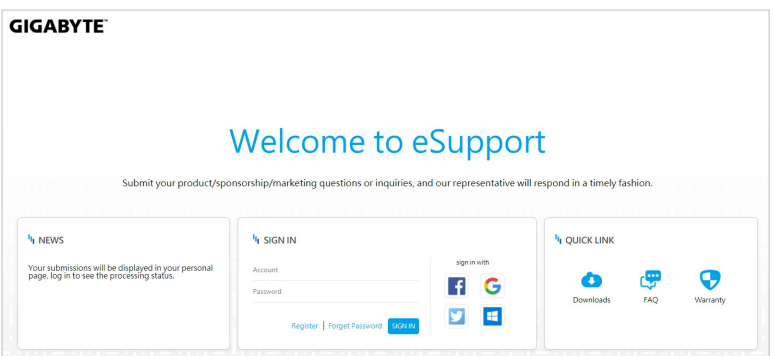
- **GIGABYTE eSupport**

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