



GIGABYTE AMD AM5 Series Control Center User Guide

[Home](#) » [Gigabyte](#) » GIGABYTE AMD AM5 Series Control Center User Guide 

Contents

- [1 GIGABYTE AMD AM5 Series Control Center](#)
- [2 Product Information](#)
- [3 Product Usage Instructions](#)
- [4 GIGABYTE Control Center](#)
- [5 BIOS Update Utilities](#)
- [6 Documents / Resources](#)
 - [6.1 References](#)

GIGABYTE™

GIGABYTE AMD AM5 Series Control Center



Product Information

Specifications

- **Series:** AMD AM5

Unique Features

- BIOS Update Utilities

GIGABYTE Control Center

GIGABYTE Control Center (GCC) is a software that provides easy access to various GIGABYTE apps for optimizing the performance of your GIGABYTE motherboard. It offers a unified user interface that allows you to launch installed GIGABYTE apps, check for updates, and download apps, drivers, and BIOS.

Drivers Installation

After installing the operating system, a dialog box will appear on the bottom-right corner of the desktop. Click "Install" to download and install the drivers and GIGABYTE applications via GIGABYTE Control Center (GCC). Ensure that the "Gigabyte Utilities Downloader" is enabled in BIOS Setup under "SettingsGigabyte Utilities Downloader Configuration". Before installation, make sure the system is connected to the internet.

Running the GIGABYTE Control Center

In Desktop mode, click the GCC icon in the notification area to launch the GIGABYTE Control Center utility. From the main menu, you can select an app to run or click the Update center icon to update an app online. If the GIGABYTE Control Center is closed, you can restart it by clicking the GIGABYTE Control Center icon in All apps in the Start menu.

RGB Fusion

RGB Fusion is an application that allows you to enable or specify the lighting mode of the onboard LEDs while in the Windows environment. To configure the LED options, click the motherboard icon on the RGB Fusion interface. Select the desired area and choose the LED color/lighting behavior on the right section of the screen. If you have an addressable LED strip, click "Scan" to detect the type of light strip installed. RGB Fusion will automatically display various digital modes for the addressable LED strip. The Advanced mode is available for configuring individual LEDs or LED strips of specific types.

Product Usage Instructions

Updating the BIOS with the Q-Flash Utility

To update the BIOS using the Q-Flash Utility:

1. Refer to your motherboard model's manual for the specific steps to enter BIOS.
2. Ensure that you have downloaded the latest BIOS update file from the official GIGABYTE website.
3. Copy the BIOS update file to a USB flash drive formatted in FAT32.
4. Restart your computer and enter BIOS.
5. Navigate to the Q-Flash Utility section.
6. Select "Update BIOS" or a similar option.
7. Choose the USB flash drive containing the BIOS update file.
8. Follow the on-screen instructions to complete the BIOS update process.

Using Q-Flash Plus

To use Q-Flash Plus:

1. Ensure that you have downloaded the latest BIOS update file from the official GIGABYTE website.
2. Copy the BIOS update file to a USB flash drive formatted in FAT32.
3. Turn off your computer and insert the USB flash drive into the designated Q-Flash Plus USB port on your motherboard.
4. Press the Q-Flash Plus button, usually located on the rear I/O panel of the motherboard.
5. The Q-Flash Plus LED will start flashing, indicating that the BIOS update process has started.
6. Wait for the LED to stop flashing, indicating that the BIOS update is complete.
7. Remove the USB flash drive and power on your computer.

Frequently Asked Questions (FAQ)

- **Q: What software is supported by the motherboard?**

A: The actual software supported may vary depending on the motherboard model and operating system version. The software setup menus provided in the user manual are for reference only.

- **Q: Can I install GIGABYTE Control Center without installing the drivers and applications?**

A: No, GIGABYTE Control Center (GCC) installation is prompted after installing the operating system. It is recommended to install the drivers and applications via GCC for optimal performance.

- **Q: Are all GIGABYTE apps available in GIGABYTE Control Center?**

A: No, the available applications in GIGABYTE Control Center may differ based on the motherboard model. Additionally, the supported functions of each application may vary depending on motherboard specifications.

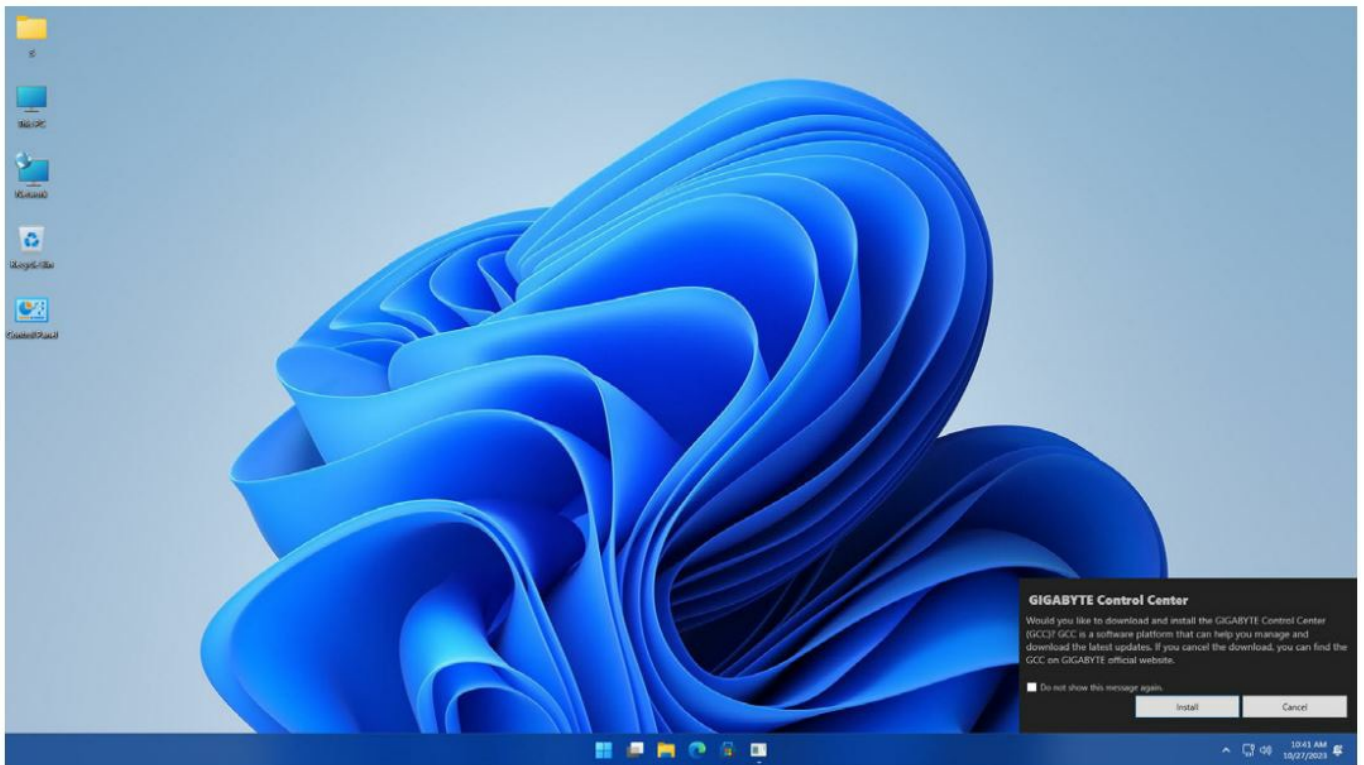
Actual software supported may vary by motherboard model and OS version. The software setup menus are for reference only.

GIGABYTE Control Center

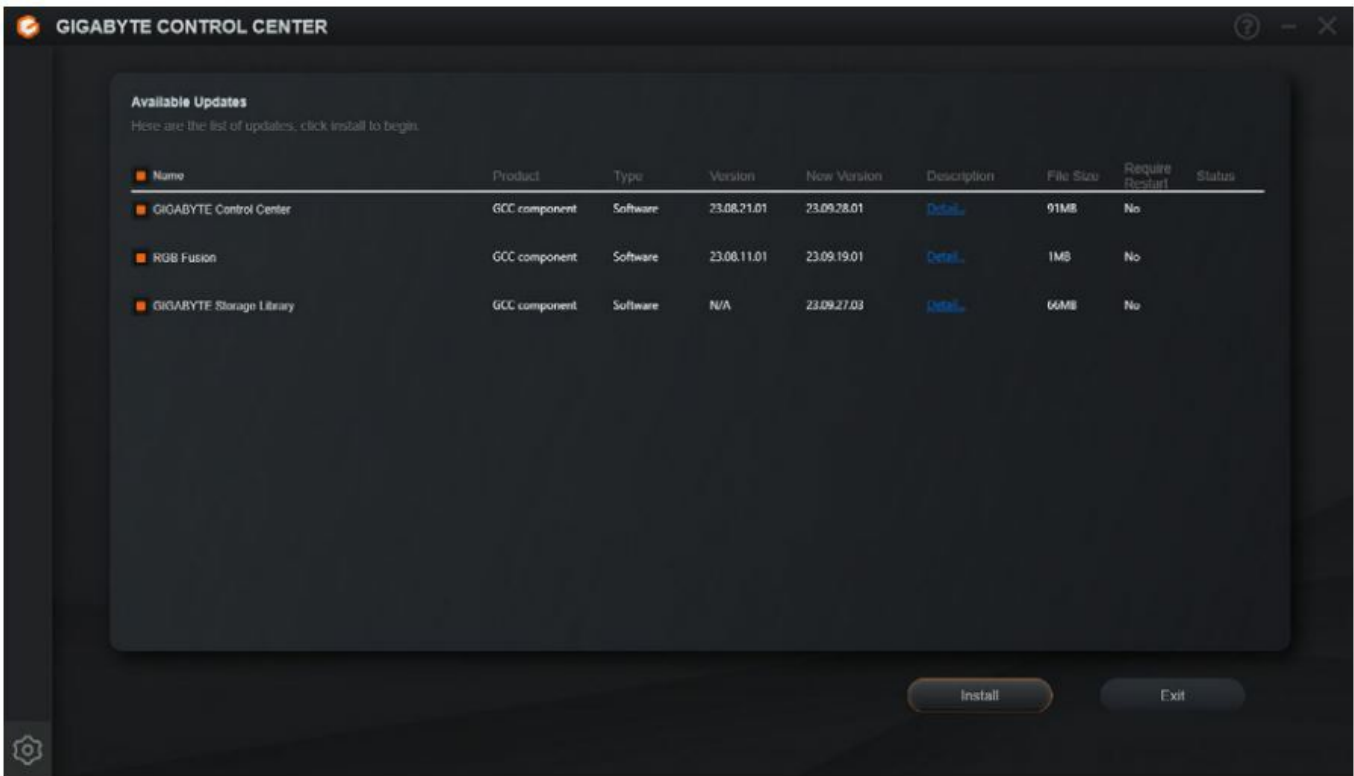
GIGABYTE Control Center (GCC) gives you easy access to a wealth of GIGABYTE apps that help you get the most from your GIGABYTE motherboard (Note). Using a simple, unified user interface, GCC allows you to easily launch all GIGABYTE apps installed on your system, check related updates online, and download the apps, drivers, and BIOS.

Drivers Installation

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 drivers and GIGABYTE applications via GIGABYTE Control Center (GCC). Click Install to proceed with the installation. (In BIOS Setup, make sure Settings\Gigabyte Utilities Downloader Configuration\Gigabyte Utilities Downloader is set to Enabled.)




When the 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.




Before the installation, make sure the system is connected to the Internet.

Note Available applications in GIGABYTE Control Center may differ by motherboard model. Supported functions of each application may also vary depending on motherboard specifications.

Running the GIGABYTE Control Center

In Desktop mode, click the GCC icon  in the notification area to launch the GIGABYTE Control Center utility

(Figure 1). On the main menu, you can select an app to run or click the Update center icon  to update an app online.

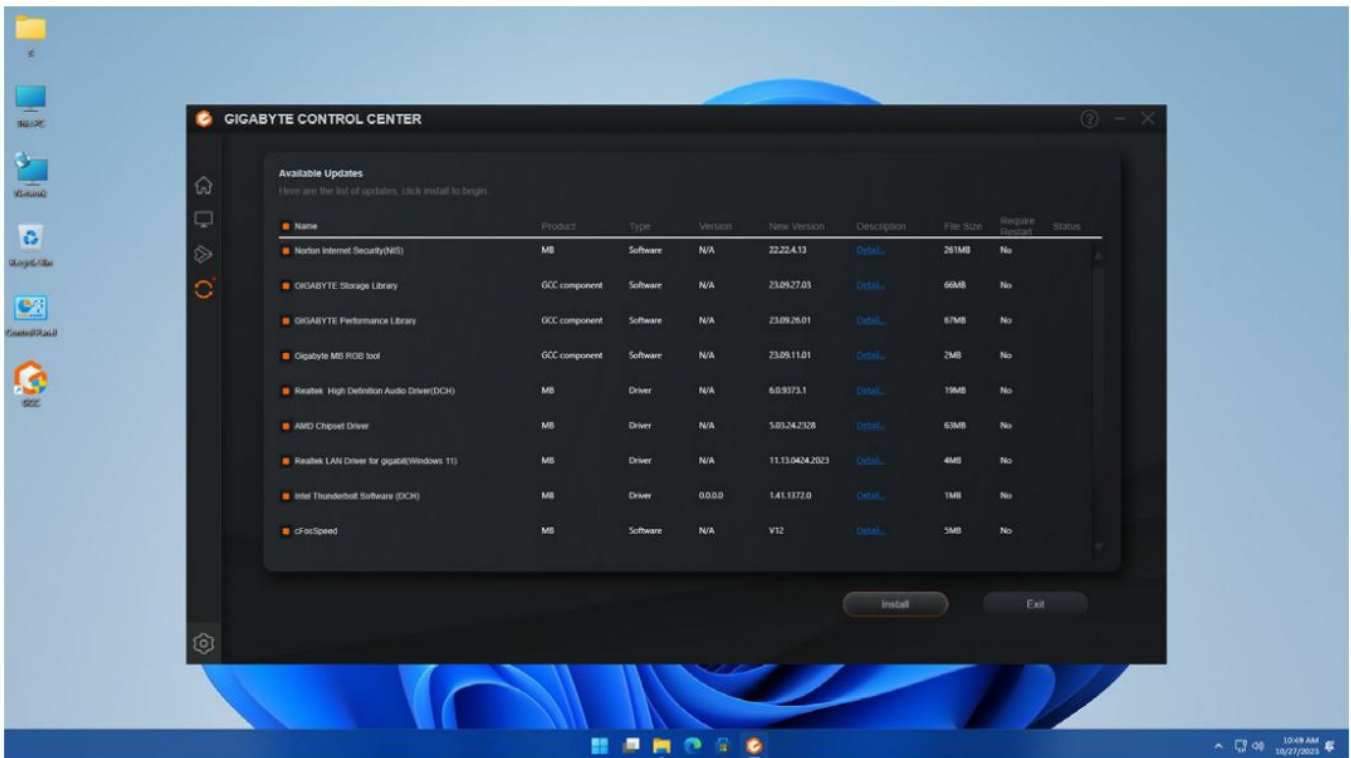


Figure 1

If the GIGABYTE Control Center is closed, you can restart it by clicking the GIGABYTE Control Center icon in All apps in the Start menu (Figure 2).

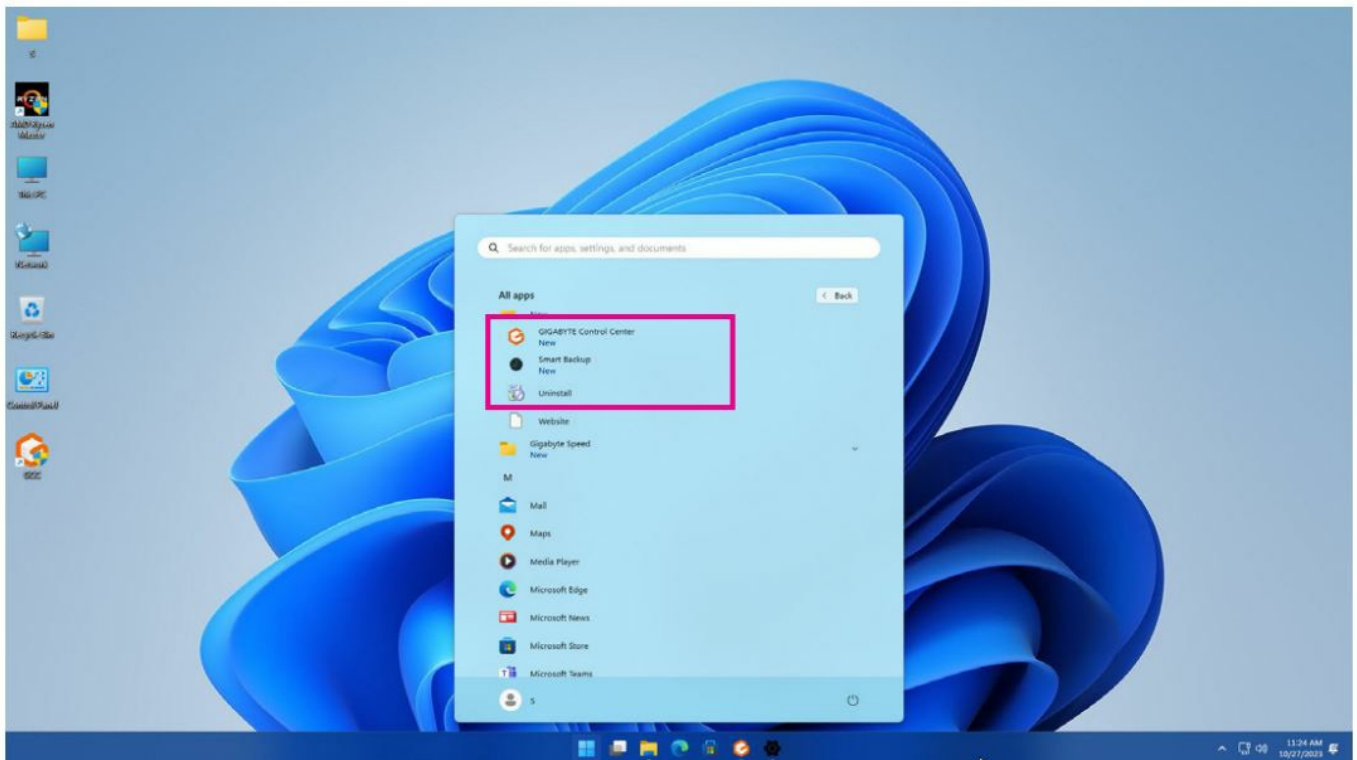


Figure 2

RGB Fusion

This application allows you to enable or specify the lighting mode of the onboard LEDs while in the Windows environment. (Note 1)

The RGB Fusion Interface



Using RGB Fusion

- To configure the options for controlling the LEDs on the motherboard, RGB LED and addressable LED strip, click the motherboard icon for further settings. (Note 2) Select your desired area and select the LED color/lighting behaviour on the right section of the screen.
- When selecting an addressable LED strip, click Scan to detect the type of light strip you have installed. RGB Fusion will automatically display various digital modes for the addressable LED strip.
- If you have installed an addressable RGB Gen2 LED strip, the Advanced mode allows you to configure an individual LED or LED strip.



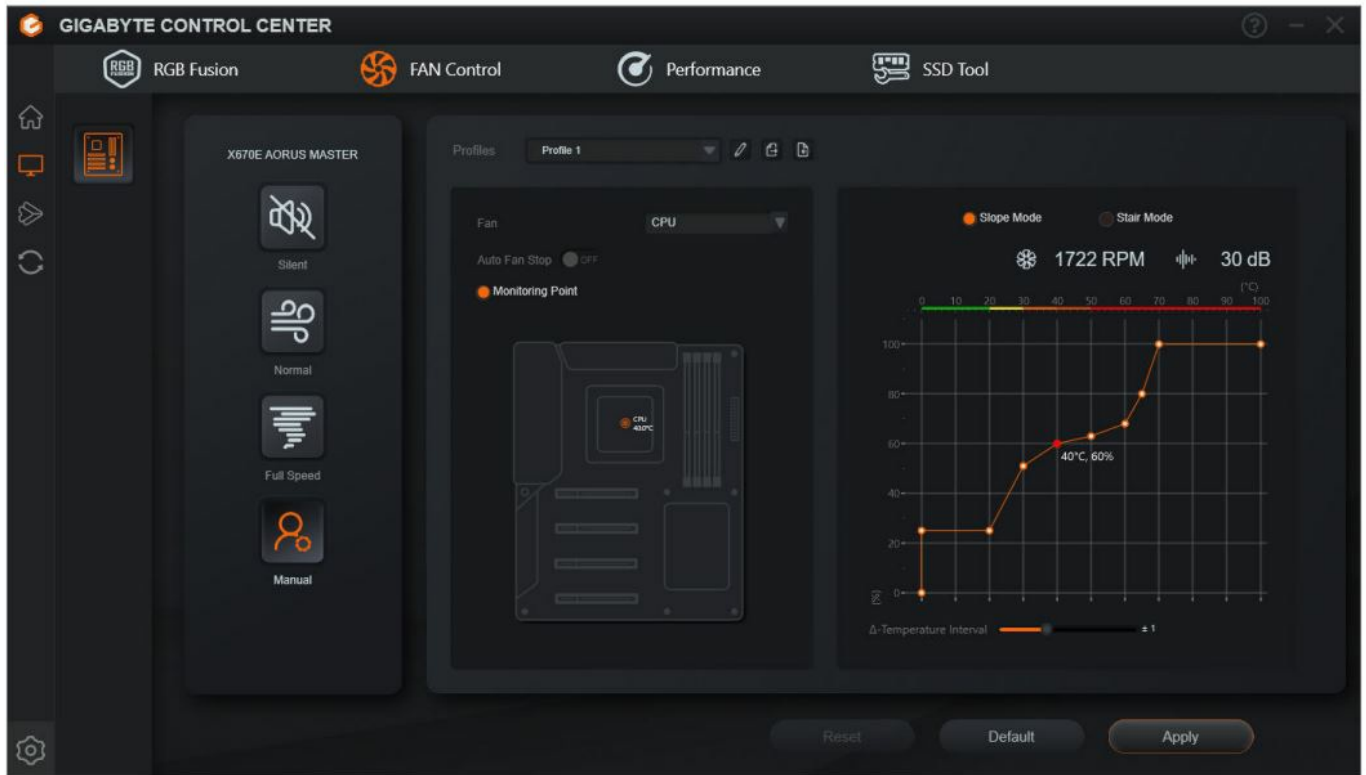
Example of an addressable RGB Gen2 LED strip display

- To avoid abnormal LED behavior, do not connect addressable RGB Gen1 LED strips and addressable RGB Gen2 LED strips to the same header at the same time.
- The maximum number of addressable RGB Gen2 LEDs supported is 256; the maximum number of LED strips supported is 8.
- The number of LEDs or LED strips that can be displayed may vary depending on the specifications of each specific type of LED strip.
- **Note 1** RGB Fusion will automatically search for the devices that have LED lighting feature and display them on the list.
- **Note 2** Regions/Modes/Colors available may vary by motherboard.

FAN Control

This application allows you to monitor and adjust the fan speed in the operating system.

The FAN Control Interface



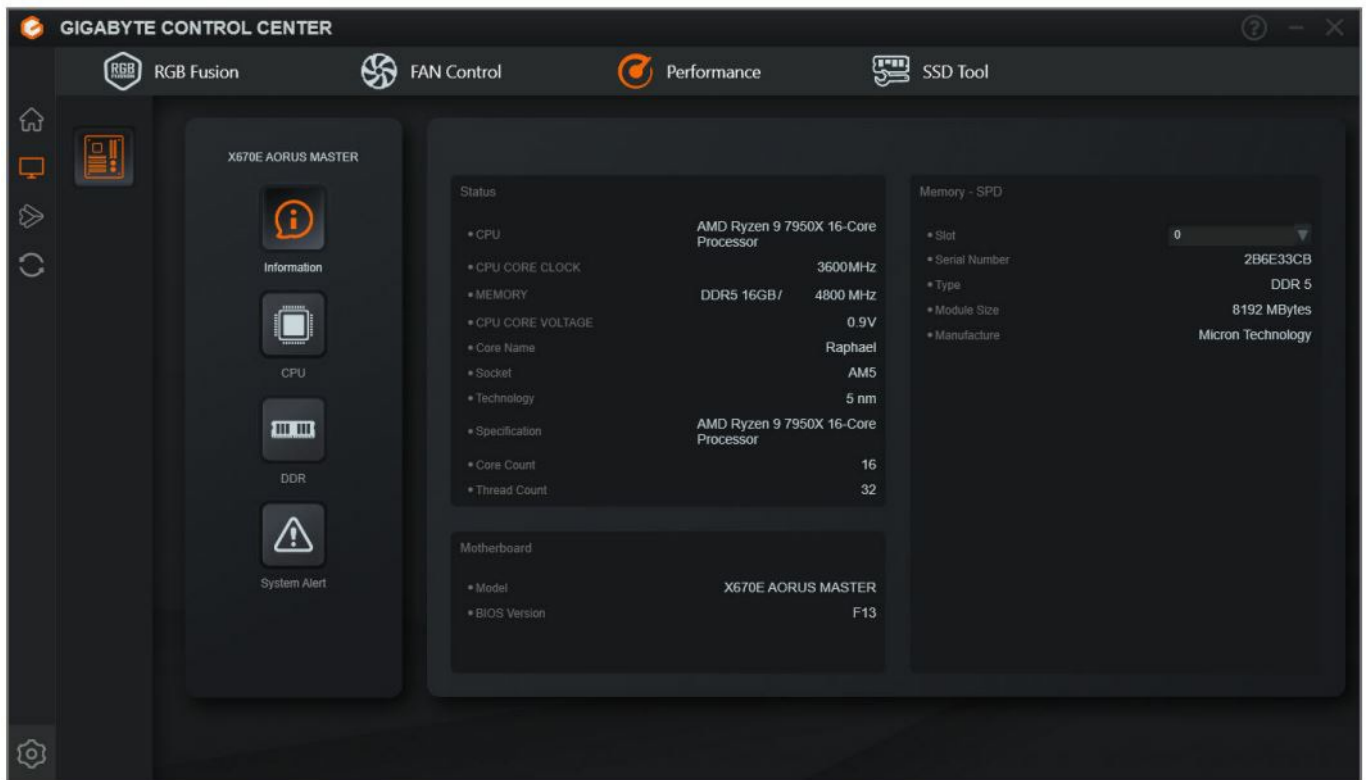
Using FAN Control

- The application allows you to specify a Smart Fan mode.
- The Manual mode allows you to adjust the smart fan speed. The fans will run at different speeds according to system temperatures. The Reset button can revert the fan settings back to the last saved values. Noise Detection provides detection of the noise level (measured in decibels) inside the chassis.
 - The speed control function requires the use of a fan with fan speed control design.
 - To use the noise detection function, you must have a motherboard with a noise detection header

Performance

This application is a simple and easy-to-use interface that allows users to fine-tune their system settings or do overclock/overvoltage in Windows environment.

The Performance Interface



Using Performance

• Information

This section provides information on your CPU, memory, motherboard model, and BIOS version.

• CPU

Frequency	Provides you with different levels of CPU frequency to choose to achieve desired system performance.
Status	Displays basic information on your CPU and memory, CPU core clock, and CPU core voltage.
Voltage	Allows you to adjust voltages.
Power	Allows you to configure power limit, Load-Line Calibration level, and voltage protection value level.

After making changes, be sure to restart your system for these changes to take effect. You can save the current settings to a profile. You can create up to 2 profiles.

• DDR

Allows you to set the memory clock.

• System Alert

Allows you to monitor hardware temperature, voltage and fan speed, and set warning alarm.

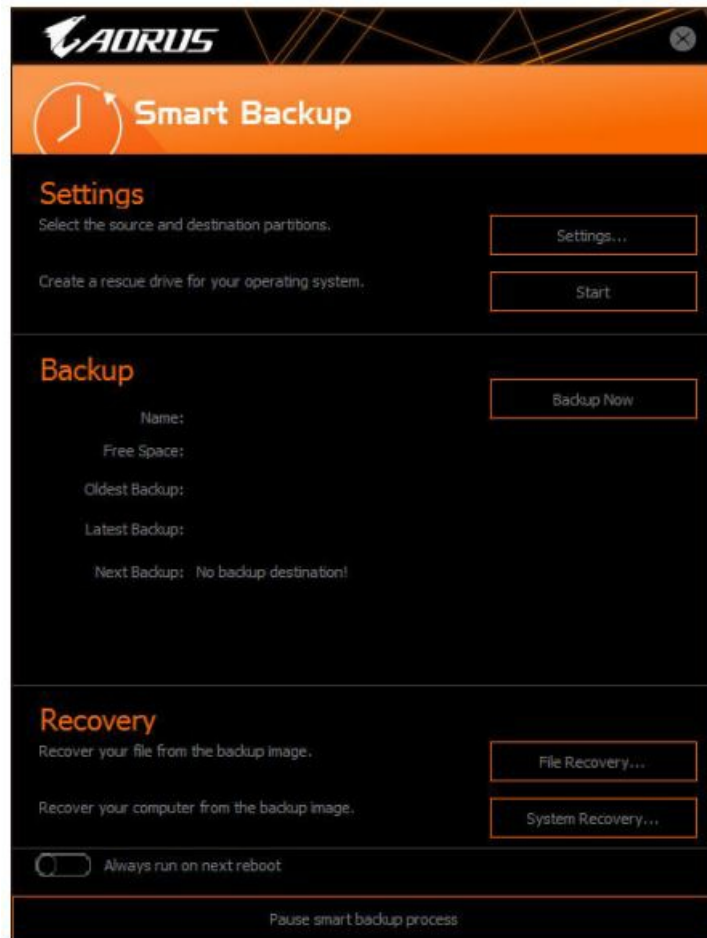
Available functions in Performance may vary by motherboard model and CPU. Grayed-out area(s) indicates that the item is not configurable or the function is not supported.

Incorrectly doing overclock/overvoltage may result in damage to the hardware components such as CPU, chipset, and memory and reduce the useful life of these components. Before you do the overclock/

overvoltage, make sure that you fully know each function of Performance, or system instability or other unexpected results may occur.

Smart Backup

Smart Backup allows you to back up a partition as an image file every hour. You can use these images to restore your system or files when needed.



The Smart Backup main menu:

Button	Description
Settings	Allows you to select the source and destination partition
Start	Allows you to create a rescue drive
Backup Now	Allows you to perform the backup immediately
File Recovery...	Allows you to recover your files from the backup image
System Recovery...	Allows you to recover your system from the backup image

- Smart Backup only supports NTFS file system.
- You need to select the destination partition in Settings the first time you use Smart Backup.
- The Backup Now button will be available only after 10 minutes you have logged in Windows.
- Select the Always run on next reboot checkbox to automatically enable Smart Backup after system reboot.

Creating a backup:



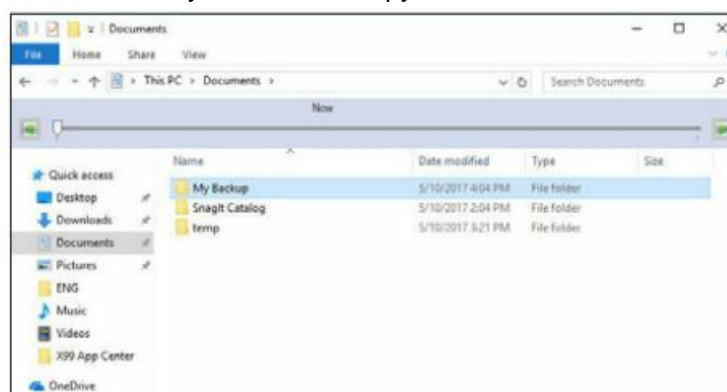
Click the Settings button on the main menu. In the Settings dialog box, select the source partition and destination partition and click OK. The initial backup will start after 10 minutes and regular backup will be performed hourly. Note: By default, all partitions on the system drive are selected as the backup source. The backup destination cannot be on the same partition as the backup source.

Saving the backup to a network location:

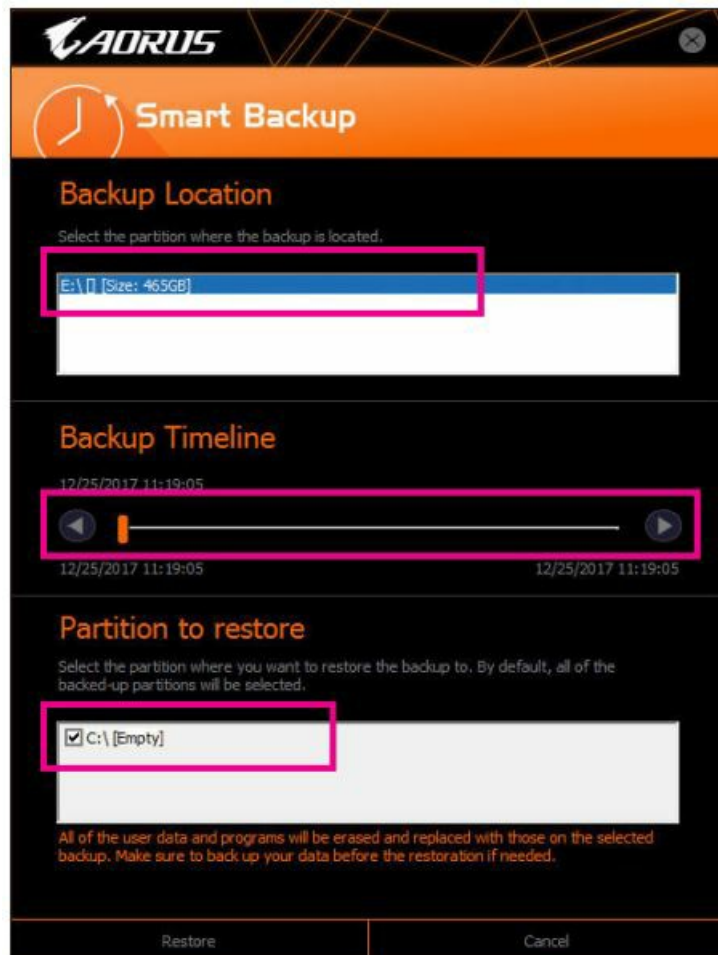
If you want to save the backup to a network location, select Browse network location. Make sure your computer and the computer where you want to save the backup are in the same domain. Choose the network location where you want to store the backup and enter the user name and password. Follow the on-screen instructions to complete.

Recovering a file:

Click the File Recovery button on the main menu. Use the time slider on the top of the popped out window to select a previous backup time. The right pane will display the backed-up partitions in the backup destination (in the My Backup folder). Browse to the file you want and copy it.



Recovering your system with Smart Backup:



• Steps:

1. Click the System Recovery button on the main menu.
2. Select the location where your backup is saved.
3. Use the time slider to select a time point.
4. Select a partition backup created on the selected time point and click Restore.
5. Confirm whether to restart your system to proceed with the restore immediately or later. Once you respond “Yes” the system will restart to the Windows recovery environment. Follow the onscreen instructions to restore your system.

All of your files and programs will be deleted and replaced with those on the selected backup. If needed, be sure to make a copy of your data before the restore.

BIOS Update Utilities

GIGABYTE motherboards provide two unique BIOS update tools, Q-Flash™ and Q-Flash Plus. Either one allows you to update the BIOS without the need to enter MS-DOS mode. Additionally, the Q-Flash Plus feature can provide multiple protection multiple protection for the safety and stability of your computer.

What is Q-Flash Plus?

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.

What is Q-Flash™?

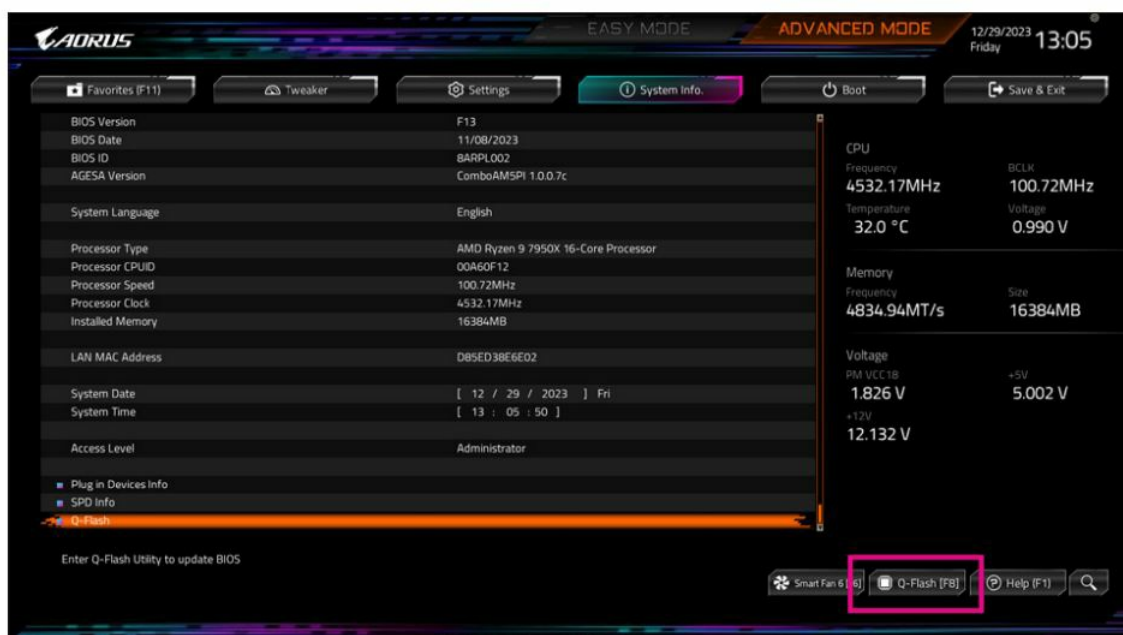
With Q-Flash you can update the system BIOS without having to enter operating systems like MS-DOS or Window first. Embedded in the BIOS, the Q-Flash tool frees you from the hassles of going through complicated

BIOS flashing process.

Updating the BIOS with the Q-Flash Utility

A. Before You Begin

1. From GIGABYTE's website, download the latest compressed BIOS update file that matches your motherboard model.
2. Extract the file and save the new BIOS file (e.g. X670EAORUSMASTER.F1) to your USB flash drive, or hard drive. (Note: The USB flash drive or hard drive must use FAT32/16 file system.)
3. Restart the system. During the POST, press the <End> key to enter Q-Flash. Note: You can access Q-Flash by either pressing the <End> key during the POST or click the Q-Flash icon (or press the <F8> key) in BIOS Setup. However, if the BIOS update file is saved to a hard drive in RAID/AHCI mode or a hard drive attached to an independent SATA controller, use the <End> key during the POST to access Q-Flash.



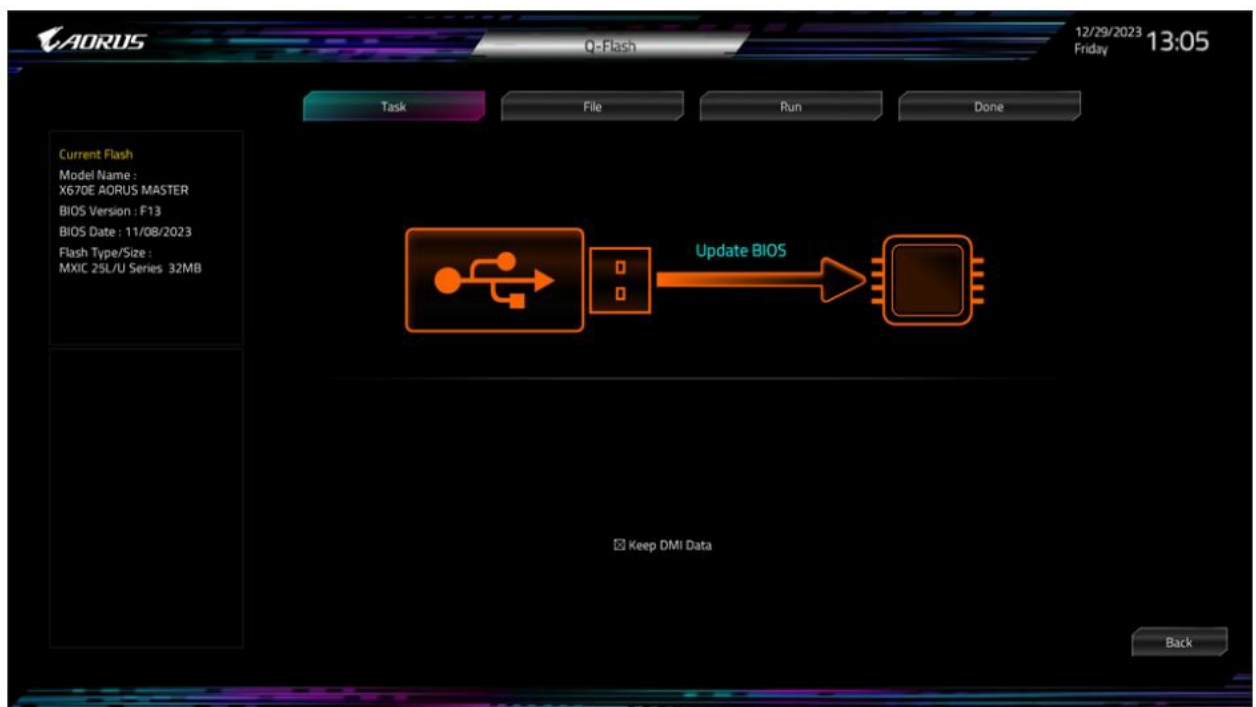
Click **Q-Flash (F8)** or select the Q-Flash item on the System Info. menu to access Q-Flash.

B. Updating the BIOS

In the main menu of Q-Flash, use the keyboard or mouse to select an item to execute. When updating the BIOS, choose the location where the BIOS file is saved. The following procedure assumes that you save the BIOS file to a USB flash drive.

• Step 1:

1. Insert the USB flash drive containing the BIOS file into the computer. In the main screen of Q-Flash, select Update BIOS.



- Q-Flash only supports USB flash drive or hard drives using FAT32/16 file system.
- If the BIOS update file is saved to a hard drive in RAID/AHCI mode or a hard drive attached to an independent SATA controller, use the <End> key during the POST to access Q-Flash.

2. Select the BIOS update file.

Make sure the BIOS update file matches your motherboard model.

• **Step 2:**

The screen will show that the BIOS file is being read from your USB flash drive and then display the current update process.

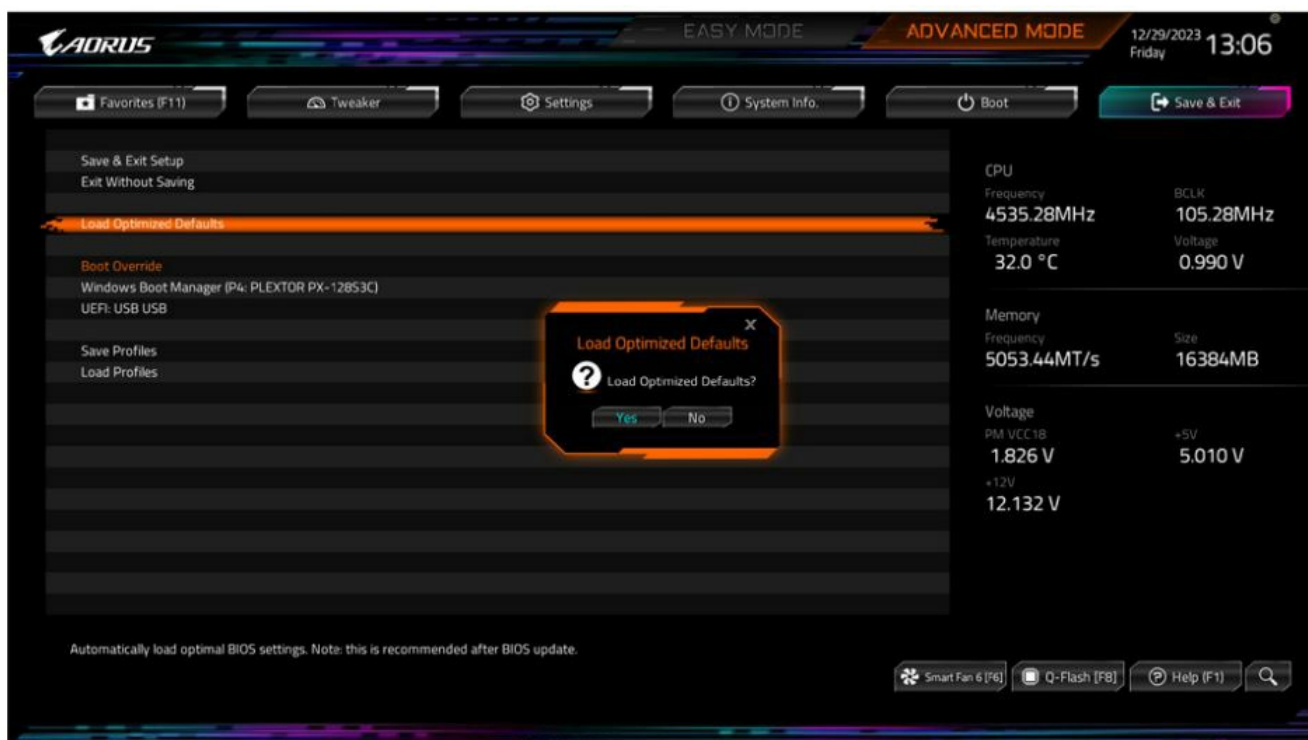
- To ensure the integrity of the BIOS update, the system will shut down and restart automatically. Then it will begin to flash the BIOS with Q-Flash.
- Do not turn off or restart the system when the system is reading/updating the BIOS.
- Do not remove the USB flash drive or hard drive when the system is updating the BIOS.

• **Step 3:**

The system will restart after the update process is complete.

• **Step 4:**

During the POST, press <Delete> to enter BIOS Setup. Select Load Optimized Defaults on the Save & Exit screen and press <Enter> to load BIOS defaults. System will re-detect all peripheral devices after a BIOS update, so we recommend that you reload BIOS defaults.



Select **Yes** to load BIOS defaults

• Step 5:

Select Save & Exit Setup and press <Enter>. And then select Yes to save settings to CMOS and exit BIOS Setup. The procedure is complete after the system restarts.

Using Q-Flash Plus

• A. Before You Begin:

1. From GIGABYTE's website, download the latest compressed BIOS update file that matches your motherboard 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 FAT32/16/12 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 for and match the BIOS file in the USB flash drive on the Q-Flash Plus port. The QFLED or 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.

- 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)
- On motherboards with DualBIOS™, 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.

Documents / Resources

Actual values reported in grams by individual's self report only. The values may not add to 100% due to rounding.

GIGABYTE AMD AM5 Series Control Center [pdf] User Guide
AMD AM5 Series Control Center, AMD AM5 Series, Control Center

References

- User Manual