ComX Computers
Product Specification Sheet

CH-GC601G

Gigabyte AORUS C601 GLASS GLOBAL E-ATX Mid Tower

Product Overview

Gigabyte AC601G Black Tempered-Glass Case -- compact ATX chassis with full glass side panel, enhanced cooling layout, and clean cable routing.











Specifications

About this product

The**Gigabyte AC601G Black Tempered-Glass Case**is a premium mid-tower PC chassis engineered for high-performance builds, featuring extensive cooling support, dual tempered glass panels, advanced cable management channels, and modern I/O options including USB 3.1 Gen2 Type-C for fast connectivity and clean cable routing.

Overview Summary

Gigabyte AC601G Black Tempered-Glass Caseis a robust PC chassis designed to support Mini-ITX, Micro ATX, ATX, and E-ATX motherboards with a versatile expansion layout and superior airflow capability. Its black tempered glass panels give a sleek showcase for internal components while maintaining structural rigidity for demanding hardware configurations.

This premium case includes extensive cooling support for up to dual 420mm radiators and up to seven fans, plus a built-in ARGB and PWM hub for streamlined lighting and fan control. Easy cable routing channels and reversible GPU mounting options help maintain a clean internal build and enhance airflow performance. The front I/O panel offers modern connectivity with multiple USB 3.0 ports and a USB 3.1 Gen2 Type-C port for next-gen peripherals.

Performance tier: High-end PC chassis

Uses: Gaming builds, content creation systems, enthusiast PCs, high airflow setups

Description

The**Gigabyte AC601G**tempered-glass chassis combines a modern aesthetic with functional design to support powerful desktop builds. Its robust steel and aluminum frame paired with dual side tempered glass panels showcases high-performance components while securing them in a structurally sound enclosure. The interior is configured for optimal airflow with support for up to seven fans and dual 420mm radiators, making it ideal for advanced air or liquid cooling setups. Cable routing channels and ample cutouts help hide wiring for a tidy build, while the front I/O panel provides USB 3.1 Gen2 Type-C, multiple USB 3.0 ports, audio, and LED control buttons for modern connectivity and control.

Features

The Gigabyte AC601G is built with features that support both performance and ease of use:

- Dual tempered glass panels for a premium showcase and robust protection of internal components.
- Advanced cooling layout supporting up to seven fans and dual 420mm radiators for exceptional airflow.
- ARGB & PWM hub for simplified fan and lighting control in complex builds.
- Vertical GPU mount support to display high-end graphics cards while improving airflow.
- Generous storage support including multiple 3.5 and 2.5 drive bays for flexible storage configurations.

STYLED TO STAND OUT
Premium aluminum accents elevate the refined yet fierce AORUS aesthetic, capturing the spirit of high-performance gaming. Dual 4mm smoked tempered glass panels with a drill-free design put your battle-ready build on full display.

OPTIMIZED AIRFLOW
Fully vented top and front panels ensure efficient airflow for high-performance builds, complemented by 4 pre-installed RGB fans that deliver both cooling and vibrant lighting.

SWING-OUT PANELS
Both tempered glass side panels feature a swing-out design, making upgrades and maintenance quicker and safer-perfect for frequent tinkerers.

TOOL-LESS DESIGN
Front and top panels feature a tool-free, one-hand removal design, streamlining installation and internal access for easier builds and faster tweaks.

MAGNETIC DECORATIVE PLATES
Magnetic decorative plates attach effortlessly to the chassis exterior, letting you customize your build's look with unique AORUS flair.

DETACHABLE DUST FILTERS
Removable filters on the front, top, and bottom block dust buildup to maintain optimal airflow with minimal effort.

READY FOR BIG BUILDS
Supports E-ATX motherboards, up to 7x 140mm fans, and radiators up to 420mm for maximum flexibility and cooling performance.

USB-C on Deck

- USB 3.1 Gen2 Type-C x1
- USB 3.0 x4
- LED control button
- Audio jacks
- Reset button
- Power button

RGB FUSION
Supports 16.7 million colors and multiple customizable modes via GIGABYTE Control Center, with seamless sync across AORUS devices for a unified RGB setup.

BUILT-IN ARGB & PWM HUB
Includes a controller with six 5V 3-pin ARGB headers and six PWM fan headers to simplify lighting and cooling expansion while keeping wiring clean.

What's in the Box

- Gigabyte AC601G Black Tempered-Glass Case
- ARGB & PWM hub controller
- Accessory kit (screws, standoffs)
- User manual

Specifications

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Specifications	
Product Code	CH-GC601G
Case Form Factor	Mid Tower
M/B Type	Mini ITX / Micro ATX / ATX / E-ATX
Color	Black
Materials	Aluminum, Steel, Plastic, Glass

Dimensions	H611x W290x D565 mm (Within +/- 1% error)
Expansion Slots	8
3.5" Drive Support	4
2.5" Drive Support	3 + 4 (replace from 3.5")
I/O Panel	USB 3.1 Gen2 Type-C x 1
	USB 3.0 x4
	LED Switch
	Reset Button
	Audio In & Out (supports HD Audio)
Pre-installed Fans	Front : 140mm x3 ARGB&PWM
	Rear : 140mm x1 ARGB&PWM
Fan Support	Front : 120mm x3 / 140mm x3
	Top : 120mm x3 / 140mm x3
	Rear : 140mm x1
Radiator Support	Front : Max 420mm
	Top : Max 420mm
	Rear : Max 140mm
Power Supply Type	Standard ATX (Not included)
Maximum Compatibility	CPU Height : 190mm
	GPU Length : 420mm
	PSU Length : 220mm
Vertical GPU Mount	YES (107mm total clearance)
Dust Filters	Front, Top, Bottom
RGB Lighting	Yes (supports RGB Fusion)
Weight	N.W. 21.5 Kg
	G.W. 28.15 Kg
Package Dimensions	H=726 W=407 D=705 mm
Accessories	1.Manual
	2.Accessories kit

FAQ

What size motherboards does the Gigabyte AC601G support?

The AC601G supports a wide range of motherboard sizes including Mini-ITX, Micro ATX, ATX, and E-ATX, making it versatile for many build types.

Does the case include cooling fans?

Yes, it includes pre-installed ARGB PWM fans at the front (3 x 140mm) and rear (1 x 140mm) to help with cooling right out of the box.

Can the case handle high-end cooling solutions?

Yes, it supports radiator installation up to 420mm at the front and top, suitable for large AIO or custom liquid cooling loops.

Is cable management supported?

The AC601G features internal cable routing channels and cutouts that help keep cables tidy and out of airflow paths for enhanced cooling performance.

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:
https://www.comx-computers.co.za/CH-GC601G-Gigabyte-AORUS-C601-GLASS-GLOBAL-E-ATX-Mid-Tower-p-334339.php

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