

GAMING
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DATA SHEET

G6 (2023)

GIGABYTE G6 KF-H3DE854SD

EAN 4719331857363

Product Specification

Model	GIGABYTE G6 (2023)
OS	kein
CPU	13th Gen Intel® Core™ i7-13620H Processor (2,4 – 4,9GHz)
Display	16.0" 16:10 FHD+ 1920x1200 WUXGA, 165Hz
System Memory	16GB (1x16) DDR5 4800 (2 DDR5 Slots, max 64GB)
PCH	N/A
Video Graphics	Intel® UHD Graphics / Intel® Iris® Xe Graphics NVIDIA® GeForce RTX™ 4060 Laptop GPU 8GB GDDR6 (boost clock 2010MHz, max TGP 75W)
Storage	1TB PCIe Gen. 4 SSD (2 Slot M.2 2280 PCIe Gen3x4*1 , PCIe Gen4x4*1)
Keyboard Type	Multi languages 15 color illuminated full size keyboard with numeric pad
I/O Port	1 x USB 2.0 (Type A) 1 x USB 3.2 Gen 1 (Type A) 2 x USB 3.2 Gen 2 (Type C) 1 x HDMI™ 2.1 (with HDCP) 1x Mini DisplayPort 1.4, 1 x DC-in 1 x MicroSD Card Reader 1 x Audio Combo Jack 1 x Microphone Jack 1 x RJ-45
Audio	2x 2 Watt Speaker, Microphone, DTS:X® Ultra Audio technology
Communications	LAN: 1GB WLAN : Intel® Wi-Fi 6E Bluetooth: Bluetooth® V5.2
Adapter	150W
Battery	Lithium-Ion 54Wh
Dimensions	35.95 (W) x 26.38 (D) x 2.51~2.6 (H) cm
Weight	~2.3 kg

* The entire materials provided herein are for reference only. GIGABYTE reserves the right to modify or revise the content at anytime without prior notice.

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Product Overview



26.38 cm



35.95 cm



USB 3.2 Gen2
(Type-C)

HDMI™
(with HDCP)

Mini DP 1.4

DC-in



USB3.2 Gen1
(Type A)

USB2.0
(Type A)

Microphone
Audio Combo jack



microSD
Card Reader

USB 3.2 Gen2
(Type-C)

- NVIDIA® GeForce RTX™ 40 Series
- Up to 13th Gen Intel® Core™ i7 H-Series Processor
- Exclusive WINDFORCE Cooling
- 16" FHD+ 165Hz High Refresh Rate Display with Ultra-thin Bezel

- 15 Colored Full-Zone Keyboard
- Light & Mobile Design
- Wi-Fi 6E Connection
- DTS: X® Ultra Audio Technology



G6 (2023)

Features

13th Gen Intel® Core™ Processor H-Series

The G6 gaming laptop leads the industry by adopting the mobile-focused 13th /12th Gen Intel® Core™ i7/i5 H series processor. Up to the 4.9GHz processor delivers incredible high FPS gameplay even while multitasking. Elevate your gameplay and enjoy the ultimate performance on the go.



NVIDIA® GeForce® RTX 40 Series Graphics

Equipped with NVIDIA® GeForce® RTX 40 series laptop GPUs, based on the NVIDIA Ada Lovelace™ GPU architecture with real-time ray tracing, artificial intelligence, and programmable shading brings gamers a whole new experience.



WINDFORCE : Powerful Cooling

Powerful performance comes through powerful cooling system. Thanks to the new design, G6 provides better cooling heat dissipation efficiency.



G6 (2023)

Features

Immersive 16:10 165Hz Gaming Display

The G6 is equipped with a 165Hz gaming display that can take away motion blur and leave a perfectly smooth visual experience. Also, extends the field of vision. A clear glance at the enemy is the key to victory!



Ultra-thin Bezel

With an ultra-thin screen bezel design, the G6 offers you comfortable , beautiful and boundless visual experience.



RGB Backlit Keyboard: Dance with Your Fingertips

The G6 keyboard comes with a full area of 15-color backlit colors, giving you the ability to switch the lighting colors to express your personal style.



G6 (2023)

Features

Wi-Fi 6E Technology: More Stable Without Lag

Wi-Fi 6E extended to the 6 GHz band. Wi-Fi 6E works with the same standard as Wi-Fi 6 but with an extended spectrum. 6 GHz band exists without overlap or interference. Access to the 6 GHz frequency brings more bandwidth, faster speeds, and lower latency.



Versatile I/O and Sweet Design

The G6 is not restricted by its thin and light chassis, offering more connection port options than its competitors. It comes with HDMI and mini DP for image outputs and a MicroSD card reader.

With the image output ports on the rear, G6 makes cable management easy and leaves you with a clean setup. Move your mouse without any restriction from now on.

mini
DisplayPort



MicroSD Card
Reader



G6 (2023)

Features

Windows® Precision Touchpad for Precise Control

The G6 features a windows precision touchpad that supports registering multiple touch inputs. And the larger and more precise moving actions. It can also reduce the wrong commands caused by the wrong touch of the palm.



DTS:X™ Ultra Audio Technology

The G6 adopts the DTS: X Ultra audio technology which virtual 7.1-channel surround sound innovation that provides outstanding sound experience and performance. From editing, and seeing movies to conference calls, the DTS: X™ Ultra brings a true 3D surround effect that removes noise from incoming and outgoing audio.



7.1 Channel
Surround Sound



Tuning Specific



DTS Sound
Unbound app