

AERO 14 OLED BMF-H2DEBB3SH

EAN 4719331757434

Modell	AERO 14 OLED (2023)
CPU	Intel® Core™ 7 -13620H
GPU	Intel® Iris®Xe Graphics NVIDIA® GeForce RTX™ 4050 Laptop GPU 6GB GDDR6 (max. TGP 45W, Boost-Takt 1605 MHz)
	NVIDIA Max-Q Technologies: CPU Optimizer, Rapid Core Scaling, Optimal Playable Settings, Dynamic Boost 2.0, Resizable BAR, Static Mux and Optimus™ Technology.
Betriebssystem	Windows 11 Home
Display	14,0" 2,8K QHD+ 2880x1800 OLED HDR Display mit schmalen Rahmen (VESA DisplayHDR 600 TrueBlack, 100% DCI-P3, 90Hz Bildwiederholungsrate, TÜV Rheinland-zertifiziert, Eyesafe® 2.0) *X-Rite™ zertifiziert, einzeln werksseitig nach Pantone® kalibrierte Farbgenauigkeit
Arbeitsspeicher	16GB LPDDR5 6400 on Board (Erweiterung nicht möglich)
Speicher	512GB PCIe Gen. 4 SSD (2 Bänke NVMe PCIe Gen. 4, M.2 Typ 2280)
Anschlüsse	1 x USB 3.2 Gen1 (Type A) 2x Thunderbolt™ 4 mit DP 1 x microSD Card Reader mit UHS-II support 1 x HDMI2.1 1 x 3.5mm Audio Kombistecker 1 x Ladeanschluss (USB Type C)
Audio	2x 2W Lautsprecher, Mikrofon, DTS:X® Ultra Audio Technology
Tastatur	deutsches Layout mit weißer Hintergrundbeleuchtung, 1,7mm Tastenweg
Kommunikation	WiFi: Intel® Wi-Fi 6E AX210 (Gig+) Wireless (802.11ax, a/b/g/n/ac/ax kompatibel) Bluetooth: Bluetooth® V5.2
Sicherheit	Firmware-basiertes TPM, unterstützt Intel® Platform Trust Technology (Intel® PTT) IR Sensor in Webcam integriert
Webcam	FHD (1080p) Webcam, eingebautes Mikrofon, Unterstützt Windows Hello
Netzteil	130W Type C
Akku	63Wh Li-Polymer
Farbe	Twilight Silver
Material	CNC gefertigtes Aluminium-Gehäuse mit Anti-Fingerabdruck Beschichtung
mitgelieferte Apps	GIGABYTE Control Center Microsoft 365 (1 Jahr Lizenz)
Maße	31,1(B) x 22,08(T) x 1,7(H) cm
Gewicht	~ 1,49 kg

*Produktspezifikationen und Produktaussehen können sich von Land zu Land unterscheiden. Wir empfehlen Ihnen, sich bei Ihren örtlichen Händlern nach den Spezifikationen und dem Aussehen der in Ihrem Land erhältlichen Produkte zu erkundigen.

**Die Größe und das Gewicht des Laptops können je nach Konfiguration, Herstellungsprozess und Messmethode variieren, bitte beziehen Sie sich auf die tatsächliche Situation.

***GIGABYTE behält sich das Recht vor, den Inhalt jederzeit ohne vorherige Ankündigung zu ändern oder zu überarbeiten.



AERO 14 OLED (2023)

REASON TO BUY THE AERO 14 OLED



Think big, Create more.

Accelerate your production and increase creative inspiration with the AERO 14 OLED Creator Laptop. It is designed for creative workers, business, editor and everyday use. Thanks to the accurate display and boundary-breaking performance that making workflow moves speed and ease. Free your imagination and create all-day with an aluminum, sleek, stylish, thin & light compact laptop anywhere, anytime.



Featherweight Portability

This lightweight 14" laptop has a CNC milling tougher design, less than 1.5kg, and up to 7.5hrs of battery life, so mobile users can stay creativity on the road.



Efficiency Workflows Performance

The 13th Gen Intel® Core™ processors and GeForce RTX™ 40 laptop graphics enhanced by NVIDIA Studio empower both your creativity and productivity.



Seeing is Believing

Enjoy real-life visuals on a 14" 16:10 2.8K OLED HDR display edged with bezel-less design and get perfect color accuracy Delta E < 1. Combined with TÜV Eyesafe® certified eye protection, the AERO 14 OLED offers maximizing the working experience.



AERO 14 OLED (2024)

PRODUCT FEATURES OVERVIEW

- **Exquisite Aesthetic:** Designed with a CNC aluminum-alloy unibody and glassy smooth touchpad for a premium look.
- **Ultrathin and Featherweight Design:** Less than <1.5kg that you can pack light and move effortlessly for working and creating.
- **90Hz QHD+ OLED HDR display:** Brings crystal-clear, sharper and colorful image, maximizing the working area.
- **4-sided Bezel-less Display:** Maximize your screen real estate with a four-sided thin bezel and the minimizing corners of display.
- **Eyesafe® 2.0 Certified Display:** Eyesafe® 2.0 certified displays meet TÜV low blue light (Hardware Solution) requirements and Eyesafe® 2.0 standards for protecting your eyes from harmful blue light without distorting colors. Displays with integrated Eyesafe® help reduce eyestrain and improve eye comfort when working for long periods of time.
- **Entire Day Battery Life:** Up to 7.5hr battery life and charge to 50% in approximately 30 minutes.
- **The Latest NVIDIA® GeForce® RTX™ GPUs:** Enjoy real-time ray tracing and all the power you need for a fast, smooth gaming experience.
- **The Latest Intel® Core™ processor:** Pave the way for the future of power and performance. Whether you are working, streaming, gaming, or creating could deliver the next generation of breakthrough performance.
- **Windforce Cooling Technology:** Stay silent under pressure with the brand-new laptop thermal solution. 4-sided venting and 3 heatpipes ensure optimal system stability and performance when applications heats up.
- **GIGABYTE Control Center:** Thanks to the Microsoft azure A.I. that optimized performance and lightness automatically without switch.



VISUAL



With the advanced 4 side bezels design and up to 95% StB ratio, you get all the workspace you need. The thinnest part is only 3mm.

The brand AERO 14 OLED adopts 14" 16:10 bezel-less screen, bringing broader view and the comfortable entertainment experience.



Each AERO panel is color calibrated by X-Rite™ calibration technology before it leaves the factory. Plus the Pantone® Validated certification, experience Delta E less than 1 perfect color accuracy the moment you turn on the AERO.



Boasting a film-industry standard of 100% DCI-P3 wide color gamut, images are presented ideal color reproduction with minimal effort.



Eyesafe® intelligently manages light energy at the source, that reduces eye-strain, offering more pleasant experiences for creators with long working hours.



*Specifications are subject to change without notice. GIGABYTE cannot be responsible for errors and omissions in typography or photography.



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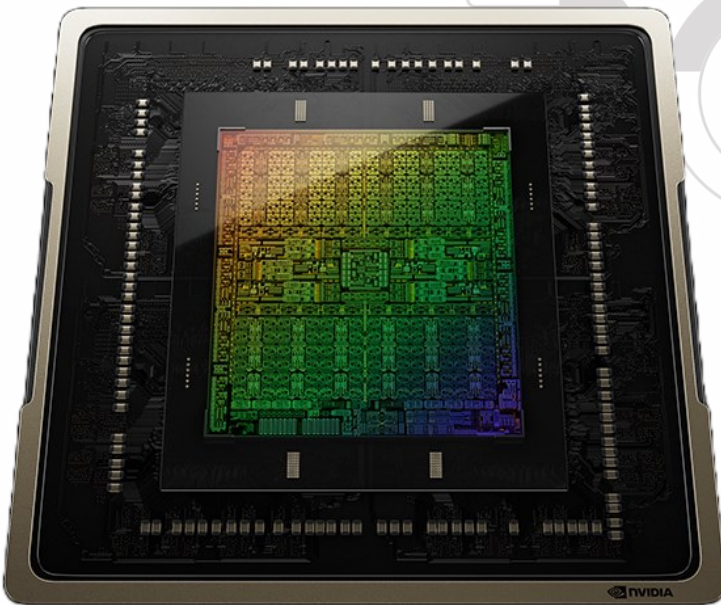
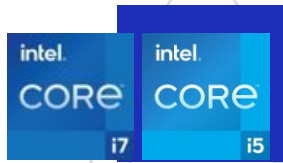
PERFORMANCE

The AERO takes an upgrade with up to the latest desktop-caliber mobile focused 14-core (6 Performance cores and 8 Efficiency cores) 13th Gen Intel® Core™ i7-13700H processor, offering you an unprecedented performance on demand, a portable & sleek lifestyle, anywhere you go.

More than

70%

Of the time spent on laptops requires CPU performance



The new NVIDIA® Ada Lovelace architecture delivers a quantum leap in performance, efficiency, and AI-powered graphics.

It has new Streaming Multiprocessors, 3rd generation Ray Tracing Cores, and 4th generation Tensor Cores. It's built on a new custom TSMC 4N process, runs with blazing fast clocks, and features a large L2 cache. It enables fast ray tracing, new ways to create, making content creation faster and easier than ever.

NVIDIA Max-Q Technologies: CPU Optimizer, Rapid Core Scaling, Optimal Playable Settings, Dynamic Boost 2.0, Resizable BAR, and Optimus™ Technology.

Up to

3rd-Gen RT Cores

4th-Gen Tensor Cores

2X

2X

2X

Performance in 3D rendering, AI, and video exports

Ray tracing performance

AI performance

 **NVIDIA Studio**

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AERO 14 OLED (2024)

DESIGN

The AERO creates a simple yet complete chassis that still has a contemporary, clean and unique design. "Illusory Iridescent" is the soul of the design concept. The material can present an iridescent halo from different angles as the inspiration of creativity is telling stories in a different light.



Iridescent

"Illusory Iridescent" is the soul of the AERO Logo design concept. The material can present an iridescent halo from different angles as the inspiration of creativity is colorful.



CNC

The whole laptop body is made of an aluminum-alloy unibody by CNC milling process, where the world's exclusive production process is introduced: off-white silver anodizing.



Glass

The touchpad design using the wafer-level optic template through the nanoimprint lithography imprinted on the glass produces different angles of light refraction.



Sealing

The hinge of the laptop is embellished with an A-shaped decorative pattern, just like the sealing wax on the boutique gift box, waiting for the user to unbox.



PORTABILITY

AERO 14 OLED weighs less than 1.5kg and the thickness is only 1.7cm, ensuring you great mobility.

AERO carries a 63 Wh battery, suitable size for travel, up to 7.5Hrs battery life that allowing you to savor your creativity anywhere, anytime.



intel.

Wi-Fi 6E
Gig+

With the next-gen Wi-Fi 6E, AERO 14 OLED support not only the Wi-Fi 6 and the 2.4GHz and 5GHz bands of the previous generation, but also the 6GHz frequency band, enabling faster speed and lower delays.



AERO 14 OLED (2024)

CREATOR FRIENDLY

- **Windforce Cooling System:** Comes with two fans, 3 heat pipes and 104% multi-face heat dissipation fins, ensuring that the AERO remains calm and minimal noise even under heavy multi-tasking large apps and read and write files.
- **A.I. Boost:** Automatically and dynamically adjust the best CPU and GPU wattage setting for different apps without hassle switch.
- **A.I. Eyecare:** Automatically determine the most comfortable brightness as different usage scenario that protects your eyes and reduces fatigue.
- **Compatibility Test:** Fully compatible with all GIGABYTE/AORUS accessories including monitors, keyboards, mouse and the external graphics box, creating an intensely powerful creative station.
- **TPM 2.0 Software-based:** Securely stores authentication information used by software, such as passwords or encryption keys, to protect important data and transactions by built-in TPM 2.0 processor on supported CPUs.
- **Windows Hello:** Equipped with the built-in facial recognition FHD 1080P IR camera sensor for Windows Hello, offering you high privacy protection at a glance.
- **LPDDR5 Memory:** Comes with one slot supporting 6400mHz / 5200mHz memory that handle multi-tasking and keep system steady.
- **Thunderbolt™ 4:** Achieves a transfer speed of up to 40Gbps and 8X faster than USB 3.1, in addition to reversible USB-C transfer port interface can output.
- **4K Matrix Video output:** Up to 3 external video output in 4K resolution and build a workstation anywhere, anytime.
- **Type-C Adapter easy-to-carry:** Share the Type-C charging of multiple mobile device and the little cube adapter that is easier to carry.



CONTROL

- **Starry White Backlit Keyboard:** The laser-engraved white backlit keyboard with all function keys that is easily visible, and the N-Key rollover function could speed your workflow up in dark room.
- **Glass-covered Touchpad:** Just like the touch feeling of operating on your mobile phone and brings a smoother experience which supports Windows precision for precise control.



AERO 14 OLED (2024)

AUDIO

The new AERO series adopts the DTS:X™ Ultra audio technology, letting creator enjoy the full depth of high-fidelity audio. Virtual 7.1-channel surround sound innovation provides outstanding sound experience and performance. From gaming, watching movies to conference calls, DTS:X™ Ultra brings true 3D surround effect and voice communication is clearer than ever with Two-Way AI Noise Cancellation technology which removes noise from incoming and outgoing audio.



7.1 Channel Surround Sound

Experience sounds that move with precision above, around, and behind you.



Tuning Specific

Contains a database of more than 500 headphones that provides consumer's particular headphone to optimize the audio experience.

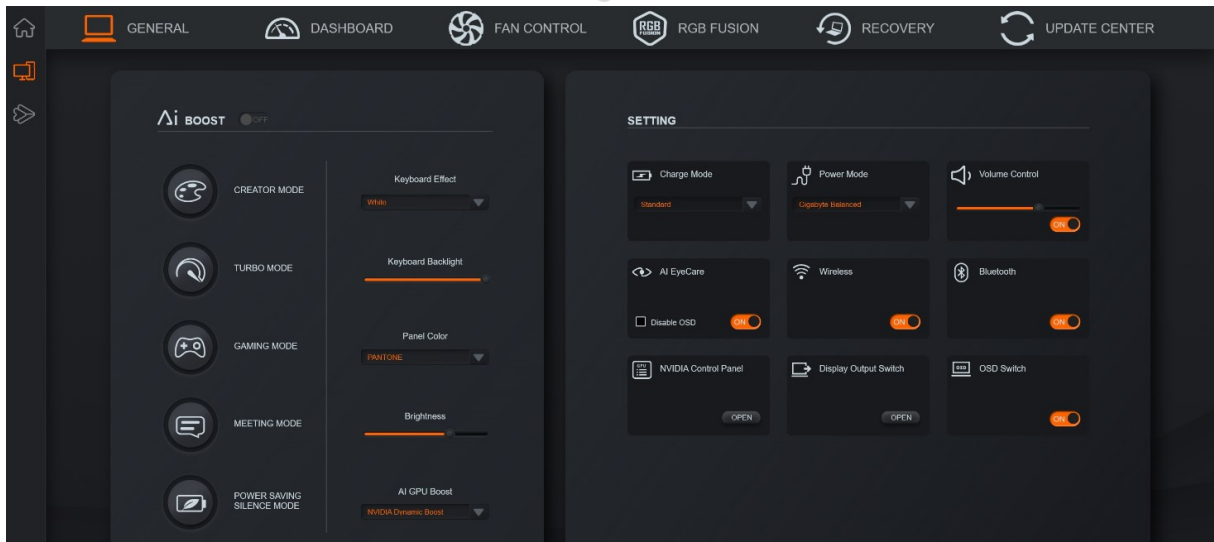


DTS Sound Unbound app

Enable to streaming playback of DTS-encoded content through the native media player or any web browser running Windows 10 with support for up to 11.1 multi-channel surround.

SOFTWARE

You can select the scenario modes or turn on the A.I. boost technology through GIGABYTE Control Center, including keyboard backlight, fan mode settings and control the load status of the CPU and GPU wattage in real time, as well as the common system settings.



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CONNECTIVITY

AERO 14 OLED is packed with a comprehensive selection of I/O ports, including the industry-leading Intel® Thunderbolt™ 4 for lightning-fast, up to 40 Gbps data transfers, and video output with support for two displays. It also has two USB 3.2 Gen 2 Type-A, HDMI 2.1, and a microSD card slot with UHS-II support— so it's good for transferring files quickly by photographer.



1. Thunderbolt™ 4 (data transfer / DP)	5. DC-in (Type-C)
2. Thunderbolt™ 4 (data transfer / DP)	6. microSD Card Reader with UHS-II support
3. HDMI 2.1	7. Headphone / microphone combo jack (3.5mm)
4. USB 3.2 Gen1 (Type-A)	



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AERO 14 OLED (2024)

SPECIFICATIONS

AERO 14 OLED BMF

PERFORMANCE

Processor options

13th Generation
Intel® Core™ i7-13700H

Intel® Iris®X^e Graphics

Operating system

Windows 11 Home Advance

Graphics options

NVIDIA® GeForce RTX™
4050 Laptop GPU 6GB
GDDR6

Webcam

FHD (1080p) Webcam, Build-
in array Microphone, Support
Windows Hello

Memory options

16GB LPDDR5 6400MHz

*Note: memory on-board, total system memory
non-upgradeable

Storage options

Gen4 SSD PCIe M.2 2280: 1TB

Battery

Li Polymer 63Whr

Audio & Speakers

2x 2W Speaker
Microphone
DTS:X® Ultra Audio Technology

DESIGN

Display

14.0" Thin Bezel 2.8K QHD+ 2880x1800 OLED
HDR Display
(VESA DisplayHDR 600 TrueBlack, 100% DCI-
P3, 90Hz Refresh Rate, TÜV Rheinland-
certified, Eyesafe® 2.0)

*X-Rite™ Certified, individually factory
calibrated & Pantone® Validated Color
Accuracy

Dimensions (W x D x H)

(cm) : 31.1(W) x 22.08(D) x 1.7(H)
(inches) : 12.3(W) x 8.7(D) x 0.67(H)

Weight

~1.49 kg (w/Battery, M.2 SSD) (~3.28 lb)

Color

Twilight Silver

Golden Features

Iridescent Branding Light

Glass-covered Touchpad with
Smooth experience

4 Sides Bezel-less Design

Construction

CNC machined aluminum with anti-
fingerprint, anti-smudge coated in cover

CONNECTIVITY

Wi-Fi 2x2 Intel® Wi-Fi 6E (802.11ax)

Bluetooth Bluetooth® v5.2

I/O Ports

2x Thunderbolt™ 4 Support DP /
High-speed Transferring
1 x USB 3.2 Gen1 (Type A)
1 x microSD Card Reader with UHS-II
support
1 x HDMI2.1
1 x 3.5mm Audio Combo
1 x DC-in (Type-C)

Power Supply

130W Type-C Adapter

PRELOAD SOFTWARE

Built-in Apps

GIGABYTE CONTROL CENTER
DTS:X™ Ultra
Xbox
NVIDIA Omniverse™
NVIDIA Broadcast
NVIDIA Canvas

BUNDLE PROMOTION

Xbox Game Pass Ultimate



OPTIONS & ACCESSORIES



GIGABYTE S55U
Gaming Monitor



AORUS Gen4
7000s SSD 2TB



VISION DRIVE 1TB

AERO 14 OLED (2024)

SPECIFICATIONS

AERO 14 OLED 9MF

PERFORMANCE

Processor options

12th Generation
Intel® Core™ i5-12500H

Intel® Iris®X^e Graphics

Operating system

Windows 11 Home Advance

Windows 11 Home Plus

Graphics options

NVIDIA® GeForce RTX™
4050 Laptop GPU 6GB
GDDR6

Webcam

FHD (1080p) Webcam, Build-
in array Microphone, Support
Windows Hello

Memory options

16GB LPDDR5 5200MHz

*Note: memory on-board, total system memory
non-upgradeable

Storage options

Gen4 SSD PCIe M.2 2280: 1TB

Battery

Li Polymer 63Whr

Audio & Speakers

2x 2W Speaker
Microphone
DTS:X® Ultra Audio Technology

DESIGN

Display

14.0" Thin Bezel 2.8K QHD+ 2880x1800 OLED
HDR Display
(VESA DisplayHDR 600 TrueBlack, 100% DCI-
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Bluetooth Bluetooth® v5.2

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OPTIONS & ACCESSORIES



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Gaming Monitor



AORUS Gen4
7000s SSD 2TB



VISION DRIVE 1TB

