GIGABYTE™

DATASHEET

AERO 15 OLED (Intel 11th Gen)

AERO
Laptop For Content Creator and Designer

AERO 15 OLED (Intel 11th Gen)

Product Overview

reddot winner 2021

TAIWAN EXCELLENCE 2021

25 cm

1.9 cm

35.6 cm

Thunderbolt™ 4   UHS-II SD Card Reader

2x USB 3.2 Gen1   DC-in Jack

USB3.2 (Gen1)

HDMI 2.1   Audio Jack

mini DP 1.4   RJ45

- 11th Gen Intel® Core™ i9/i7 Processor H-Series
- NVIDIA® GeForce RTX™ 30 Series
- World's First Microsoft Azure AI Notebook
- Exclusive WINDFORCE Infinity Cooling
- Dual RAM + Dual SSD Storage
- Next-Gen Wi-Fi 6 Connection

- Samsung 4K UHD AMOLED Panel
- 3mm Ultra-thin Bezel
- X-Rite™ Display Color Calibration
- Pantone® Validated Color Accuracy
- DTS:X® Ultra Audio Technology

intel CORE i9   intel CORE i7   NVIDIA STUDIO   SAMSUNG AMOLED

WINDFORCE infinity   COLOR CALIBRATION Powered by x-rite   PANTONE® Validated   Microsoft Azure AI
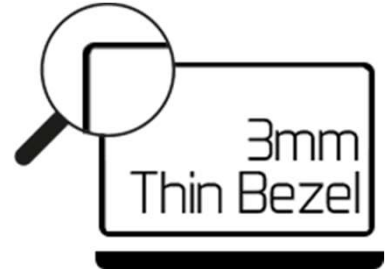
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Visual

3mm Ultra-thin Bezel

With ultra-thin screen bezel design, the AERO not only offers you smaller chassis than traditional 15.6" laptop, but maximizes your vision.

4K UHD AMOLED Display

Introducing you a top-end, ultra-attractive 15.6 inch Samsung AMOLED 4K display that not only provides extra brightness but also matches the VESA Display HDR 400 standard, further supporting 120% DCI-P3 color gamut (25% more colors than sRGB). Be ready to welcome the world's richest, most fluent visual pleasure ever.

High Contrast Ratio

120% DCI-P3

Wide Color Gamut

Less Harmful Blue Light

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Visual

PANTONE® Validated Presentation

What you see is what you get. As a designer, photographer and producer deal with color-critical decision everyday. You should have the PANTONE® Validated display so that the colors are able to demonstrate superior fidelity in reproducing the Pantone Matching System Colors.

PANTONE®
Validated

X-Rite™ Color Calibration

Every panel fitted on the AERO gets individually calibrated and certified with world renowned X-Rite™ calibration technology before it leaves the factory, giving you perfect color accuracy and wider color spectrum the second you turn on the AERO.

x·rite
COLOR CALIBRATION

See More Details and Accurate Colors
Stunning Visual for both Work& Entertainment

Photo: Colors displayed on screen almost match the actual colors.

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Performance

11th Gen Intel® Core™ i9 / i7 Processor (H-Series)

To have continuous creativity, you must first have a powerful processor. The AERO takes an upgrade with the latest desktop-caliber mobile focused 8-core 11th Gen Intel® Core™ i9-11980HK processor, offering you an unprecedented performance on demand, a portable & sleek lifestyle, anywhere you go.

At The Speed Of Imagination: NVIDIA Studio Laptop

RTX Studio Laptops are crafted with precision to deliver dramatic improvements in productivity and performance across your everyday creative apps. Here's the future, now go create history.

WINDFORCE Infinity: Next-Gen Cooling

All-new WINDFORCE Infinity comes with two 71-blade fans and 5 heat pipes that increases overall heat dissipation by 30%*, insuring that the AERO remains calm and steady even under heavy gaming or multi-tasking large apps and files.

PCIe Gen4 Storage: Never Delay in Workflow

More storage means more production. The AERO supports PCIe Gen4x4 SSD storage slot. The bandwidth is up to twice higher than the previous generation. Preview, store, move and read / write files more efficiently.

*Comparison between "Windforce Infinity" (AERO 15 OLED, AERO 17 HDR) and the previous GIGABYTE model .

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Creator Friendly

Microsoft Azure AI

GIGABYTE went a step further by adapting the perspective and experiences of our users and cooperate with Microsoft Azure to bring you the world's first AI laptop - the AERO. User preference data passes through the Microsoft Azure Machine Learning platform in order to automatically and dynamically adjust the best CPU and GPU wattage setting for different apps. Users will experience a steady performance without hassle & additional manual switch whether it is for gaming or content creation.

Microsoft Azure AI

Windows Hello

GIGABYTE AERO is equipped with the built-in fingerprint sensor for Windows Hello, offering you high privacy protection.

Versatile I/O

The all new AERO series laptops are not restricted by its thin and light chassis, offering more connection port options than its competitors. Besides the usual USB Type-A (three ports), comes the addition of HDMI 2.1 for 4K@120Hz video outputs, DP 1.4 and an ultra-fast UHS-II SD card.

UHS-II
SD CARD Reader

HDMI™ 2.1

Thunderbolt™ 4

The Intel® 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. The AERO series laptops support up to 4K video output and get unbridled capabilities, endless possibilities.

*Comparison Thunderbolt 4 and the USB 3.1 transfer speed.

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Mobility

CNC+NIL

With a design cue coming from science fiction movies, through the use of CNC aluminum cutting technology creating a smooth aluminum body, embellished with a premium touch of design flare using "NIL" Nanoimprint Lithography. The AERO creates a simple yet complete chassis that still has a contemporary, clean and unique design.

Aluminum Chassis

Thin and Light Form Factor

AERO 15 weighs only 2KG and the thickness is only 19.9cm, ensuring you great mobility.

All-day Productivity

AERO carries a 99 Wh battery, supporting up to 8 hours of battery life.

Intel® Wi-Fi 6 AX200 (Gig+)

AERO supports 1Gbps cable internet and the latest gen internet standard 802.11AX (Wi-Fi 6) of up to 2.4Gbps transfer speed. According to the exclusive technology, it delivers fastest connections and lets your creative data is set to transfer without limitations.

intel.
Wi-Fi 6
Gig+

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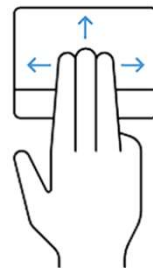
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Control

RGB Fusion 2.0: Per-key RGB Backlight Keyboard

The AERO 15 keyboard is upgraded with the all-new RGB Fusion 2.0 technology. Not only does the keyboard lighting shine brighter than ever, each key press is now even more responsive. In addition to full macro customization functions, the gaming and multimedia experience has just bumped up to a whole new standard.

Windows Precision Touchpad for Precise Control

The AERO has windows precision touchpad which supports registering multiple touch inputs. Plus the built-in fingerprint sensor for Windows Hello, offering you high privacy protection.

Performance Laptop for the Creatives
Mobility, Connectivity, Productivity

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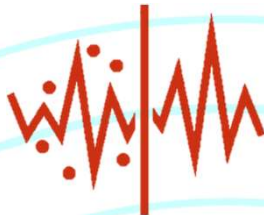## AERO 15 OLED (Intel 11ᵗʰ Gen)

Audio

DTS:X™ Ultra Audio Technology

The new AERO series adapts the DTS: X Ultra audio technology which virtual 7.1-channel surround sound innovation that provides outstanding sound experience and performance. From editing, seeing movies to conference calls, the DTS:X™ Ultra brings true 3D surround effect and the voice communication is clearer than ever with Two-Way AI Noise Cancelation that 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.

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Dimensions & I/O

25 cm

1.9 cm

35.6 cm

Aluminum Chassis

Contemporary, clean and unique design

1.9KG: Great Mobility

Thunderbolt™ 4   Card Reader

2x USB 3.2 Gen1   DC-in Jack

USB3.2 (Gen1)

HDMI 2.1   Audio Jack

RJ45

mini DP 1.4

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AERO 15 OLED XD-73DE644SP   Product Spec

Model	AERO 15 OLED
OS	Windows 10 Pro
CPU	11th Gen Intel® Core™ i7-11800H (2.3GHz~4.6GHz)
Display	15.6" Thin Bezel Samsung UHD 3840x2160 AMOLED display
	*X-Rite™ Certified, individually factory calibrated & Pantone® Validated Color Accuracy
System Memory	32GB (2x16) DDR4 3200 (2 Slots , xax 64GB)
Video Graphics	Intel® UHD Graphics NVIDIA® GeForce RTX™ 3070 Laptop GPU 8GB GDDR6 maximum graphics power 105W, 1290MHz Boost Clock
	Supports NVIDIA Max-Q Technologies: Dynamic Boost 2.0, Resizable BAR, and Optimus™ Technology.
Storage	1TB NVMe SSD (2 Bänke, Typ 2280 unterstützt 1x NVMe PCIe Gen3 & SATA / 1x NVMe PCIe Gen4)
Keyboard	GIGABYTE Fusion RGB Per-Key Backlit Keyboard
I/O Port	3x USB 3.2 Gen1 (Type-A) 1x Thunderbolt™ 4 (Type-C) 1x HDMI 2.1 1x mini DP 1.4 1x 3.5mm Headphone/Microphone Combo Jack 1x UHS-II SD Card Reader 1x DC-in Jack 1x RJ-45
Communications	LAN: RTL8125-BG REALTEK (2.5G) Ethernet Intel® Wi-Fi 6 AX200 or AX201 (Gig+) Bluetooth: Bluetooth® V5.2
Adapter	230W
Battery	Li Polymer 99Wh
Dimensions	356(W) x 250(D) x 19.9(H) mm / 14.0(W) x 9.8(D) x 0.78(H) inch
Weight	~2 kg (w/Battery, M.2 SSD) / 4.4 lb

*Product specifications and product appearance may differ from country to country. We recommend that you check with your local dealers for the specifications and appearance of the products available in your country.
**The size and weight of the laptop may vary according to the configuration, manufacturing process and measurement method, please refer to the actual situation.
***GIGABYTE reserves the right to modify or revise the content at anytime without prior notice.