ROG Strix G18 (2024) G814
G814JVR-N6049X

☐ COMPARE

ROG Strix G18 (2024) G814
G814JVR-N6048X

☐ COMPARE

ROG Strix G18 (2024) G814
G814JZR-N6109X

☐ COMPARE

ROG Strix G18 (2024) G814
G814JIR-N6075X

☐ COMPARE

OFF   Highlight Differences

OPERATING SYSTEM

Windows 11 Pro

Windows 11 Pro

Windows 11 Pro

Windows 11 Pro

PROCESSOR

Intel® Core™ i9 Processor 14900HX
2.2 GHz (36MB Cache, up to 5.8
GHz, 24 cores, 32 Threads)

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GHz, 24 cores, 32 Threads)

GRAPHICS

NVIDIA® GeForce RTX™ 4060 Laptop
GPU (233 AI TOPs)
ROG Boost: 2420MHz* at 140W
(2370MHz Boost Clock+50MHz OC,
115W+25W Dynamic Boost)
8GB GDDR6

NVIDIA® GeForce RTX™ 4060 Laptop
GPU (233 AI TOPs)
ROG Boost: 2420MHz* at 140W
(2370MHz Boost Clock+50MHz OC,
115W+25W Dynamic Boost)
8GB GDDR6

NVIDIA® GeForce RTX™ 4080 Laptop
GPU (542 AI TOPs)
ROG Boost: 2330MHz* at 175W
(2280MHz Boost Clock+50MHz OC,
150W+25W Dynamic Boost)
12GB GDDR6

NVIDIA® GeForce RTX™ 4070 Laptop
GPU (321 AI TOPs)
ROG Boost: 2225MHz* at 140W
(2175MHz Boost Clock+50MHz OC,
115W+25W Dynamic Boost)
8GB GDDR6

DISPLAY

ROG Nebula Display
18-inch
2.5K (2560 x 1600, WQXGA) 16:10
aspect ratio
IPS-level
Anti-glare display
DCI-P3: 100%
Refresh Rate: 240Hz
Response Time: 3ms

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Refresh Rate: 240Hz
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G-Sync
Pantone Validated
MUX Switch + NVIDIA® Advanced Optimus
Support Dolby Vision HDR : Yes

G-Sync	G-Sync	G-Sync	G-Sync
Pantone Validated	Pantone Validated	Pantone Validated	Pantone Validated
MUX Switch + NVIDIA® Advanced Optimus	MUX Switch + NVIDIA® Advanced Optimus	MUX Switch + NVIDIA® Advanced Optimus	MUX Switch + NVIDIA® Advanced Optimus
Support Dolby Vision HDR : Yes	Support Dolby Vision HDR : Yes	Support Dolby Vision HDR : Yes	Support Dolby Vision HDR : Yes

MEMORY

16GB DDR5-5600 SO-DIMM, the memory speed of the systems vary by CPU SPEC x 2	16GB DDR5-5600 SO-DIMM, the memory speed of the systems vary by CPU SPEC x 2	32GB DDR5-5600 SO-DIMM, the memory speed of the systems vary by CPU SPEC x 2	16GB DDR5-5600 SO-DIMM, the memory speed of the systems vary by CPU SPEC x 2
Max Capacity: 32GB	Max Capacity: 32GB	Max Capacity: 64GB	Max Capacity: 32GB
Support dual channel memory	Support dual channel memory	Support dual channel memory	Support dual channel memory

STORAGE

2TB PCIe® 4.0 NVMe™ M.2 SSD	2TB PCIe® 4.0 NVMe™ M.2 SSD	2TB PCIe® 4.0 NVMe™ M.2 SSD	2TB PCIe® 4.0 NVMe™ M.2 SSD
2x DDR5 SO-DIMM slots	2x DDR5 SO-DIMM slots	2x DDR5 SO-DIMM slots	2x DDR5 SO-DIMM slots
2x M.2 PCIe	2x M.2 PCIe	2x M.2 PCIe	2x M.2 PCIe
			2x DDR5 SO-DIMM slots
			2x M.2 PCIe

I/O PORTS

1x 3.5mm Combo Audio Jack	1x 3.5mm Combo Audio Jack	1x 3.5mm Combo Audio Jack	1x 3.5mm Combo Audio Jack
1x HDMI 2.1 FRL	1x HDMI 2.1 FRL	1x HDMI 2.1 FRL	1x HDMI 2.1 FRL
2x USB 3.2 Gen 2 Type-A (data speed up to 10Gbps)	2x USB 3.2 Gen 2 Type-A (data speed up to 10Gbps)	2x USB 3.2 Gen 2 Type-A (data speed up to 10Gbps)	2x USB 3.2 Gen 2 Type-A (data speed up to 10Gbps)
1x USB 3.2 Gen 2 Type-C with support for DisplayPort™ / power delivery / G-SYNC (data speed up to 10Gbps)	1x USB 3.2 Gen 2 Type-C with support for DisplayPort™ / power delivery / G-SYNC (data speed up to 10Gbps)	1x USB 3.2 Gen 2 Type-C with support for DisplayPort™ / power delivery / G-SYNC (data speed up to 10Gbps)	1x USB 3.2 Gen 2 Type-C with support for DisplayPort™ / power delivery / G-SYNC (data speed up to 10Gbps)
1x RJ45 LAN port	1x RJ45 LAN port	1x 2.5G LAN port	1x RJ45 LAN port
1x Thunderbolt™ 4 with support for DisplayPort™ (data speed up to 40Gbps)	1x Thunderbolt™ 4 with support for DisplayPort™ (data speed up to 40Gbps)	1x Thunderbolt™ 4 with support for DisplayPort™ / G-SYNC (data speed up to 40Gbps)	1x Thunderbolt™ 4 with support for DisplayPort™ (data speed up to 40Gbps)

KEYBOARD AND TOUCHPAD

Backlit Chiclet Keyboard Per-Key RGB	Backlit Chiclet Keyboard Per-Key RGB	Backlit Chiclet Keyboard Per-Key RGB	Backlit Chiclet Keyboard Per-Key RGB
Touchpad	Touchpad	Touchpad	Touchpad

CAMERA

720P HD camera	720P HD camera	720P HD camera	720P HD camera

AUDIO

Smart Amp Technology	Smart Amp Technology	Smart Amp Technology	Smart Amp Technology
Dolby Atmos	Dolby Atmos	Dolby Atmos	Dolby Atmos

AI noise-canceling technology	AI noise-canceling technology	AI noise-canceling technology	AI noise-canceling technology
Hi-Res certification (for headphone)	Hi-Res certification (for headphone)	Hi-Res certification (for headphone)	Hi-Res certification (for headphone)
Support Microsoft Cortana near field/far field	Support Microsoft Cortana near field/far field	Built-in array microphone	Built-in array microphone
Built-in array microphone	Built-in array microphone	2-speaker system with Smart Amplifier Technology	2-speaker system with Smart Amplifier Technology
2-speaker system with Smart Amplifier Technology	2-speaker system with Smart Amplifier Technology		

NETWORK AND COMMUNICATION

Wi-Fi 6E(802.11ax) (Triple band) 2*2 + Bluetooth® 5.3 Wireless Card (*Bluetooth® version may change with OS version different.)	Wi-Fi 6E(802.11ax) (Triple band) 2*2 + Bluetooth® 5.3 Wireless Card (*Bluetooth® version may change with OS version different.)	Wi-Fi 6E(802.11ax) (Triple band) 2*2 + Bluetooth® 5.3 Wireless Card (*Bluetooth® version may change with OS version different.)	Wi-Fi 6E(802.11ax) (Triple band) 2*2 + Bluetooth® 5.3 Wireless Card (*Bluetooth® version may change with OS version different.)

BATTERY

90WHrs, 4S1P, 4-cell Li-ion	90WHrs, 4S1P, 4-cell Li-ion	90WHrs, 4S1P, 4-cell Li-ion	90WHrs, 4S1P, 4-cell Li-ion

POWER SUPPLY

ø6.0, 280W AC Adapter, Output: 20V DC, 14A, 280W, Input: 100~240C AC 50/60Hz universal	ø6.0, 280W AC Adapter, Output: 20V DC, 14A, 280W, Input: 100~240C AC 50/60Hz universal	ø6.0, 330W AC Adapter, Output: 20V DC, 16.5A, 330W, Input: 100~240C AC 50/60Hz universal	ø6.0, 280W AC Adapter, Output: 20V DC, 14A, 280W, Input: 100~240C AC 50/60Hz universal
TYPE-C, 100W AC Adapter, Output: 20V DC, 5A, 100W, Input: 100~240V AC 50/60Hz universal	TYPE-C, 100W AC Adapter, Output: 20V DC, 5A, 100W, Input: 100~240V AC 50/60Hz universal	TYPE-C, 100W AC Adapter, Output: 20V DC, 5A, 100W, Input: 100~240V AC 50/60Hz universal	TYPE-C, 100W AC Adapter, Output: 20V DC, 5A, 100W, Input: 100~240V AC 50/60Hz universal

AURA SYNC

Yes	Yes	Yes	Yes

DEVICE LIGHTING

Aura Sync Light Bar	Aura Sync Light Bar	Aura Sync Light Bar	Aura Sync Light Bar
Aura Sync logo			Aura Sync logo

WEIGHT

3.00 Kg (6.61 lbs)	3.00 Kg (6.61 lbs)	3.00 Kg (6.61 lbs)	3.00 Kg (6.61 lbs)

DIMENSIONS (W X D X H)

39.9 x 29.4 x 2.31 ~ 3.08 cm (15.71" x 11.57" x 0.91" ~ 1.21")	39.9 x 29.4 x 2.31 ~ 3.08 cm (15.71" x 11.57" x 0.91" ~ 1.21")	39.9 x 29.4 x 2.31 ~ 3.08 cm (15.71" x 11.57" x 0.91" ~ 1.21")	39.9 x 29.4 x 2.31 ~ 3.08 cm (15.71" x 11.57" x 0.91" ~ 1.21")

MICROSOFT OFFICE

1-month trial for new Microsoft 365 customers. Credit card required.

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XBOX GAME PASS

Xbox Game Pass for PC_3 months (*Terms and exclusions apply. Offer only available in eligible markets for Xbox Game Pass for PC. Eligible markets are determined at activation. Game catalog varies by region, device, and time.)

Xbox Game Pass for PC_3 months (*Terms and exclusions apply. Offer only available in eligible markets for Xbox Game Pass for PC. Eligible markets are determined at activation. Game catalog varies by region, device, and time.)

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ECOLABELS & COMPLIANCES

ENERGY STAR®

ENERGY STAR®

ENERGY STAR®

SECURITY

BIOS Administrator Password and User Password Protection
Trusted Platform Module (Firmware TPM)
McAfee® 30 days free trial

BIOS Administrator Password and User Password Protection
Trusted Platform Module (Firmware TPM)
McAfee® 30 days free trial

BIOS Administrator Password and User Password Protection
Trusted Platform Module (Firmware TPM)
McAfee® 30 days free trial

BIOS Administrator Password and User Password Protection
Trusted Platform Module (Firmware TPM)
McAfee® 30 days free trial

INCLUDED IN THE BOX

ROG backpack
ROG Impact Gaming Mouse
TYPE-C, 100W AC Adapter, Output: 20V DC, 5A, 100W, Input: 100~240V AC 50/60Hz universal
*Included accessories vary according to country and territory. Please check with your local ASUS retailer for details

ROG backpack
ROG Impact Gaming Mouse
TYPE-C, 100W AC Adapter, Output: 20V DC, 5A, 100W, Input: 100~240V AC 50/60Hz universal
*Included accessories vary according to country and territory. Please check with your local ASUS retailer for details

ROG backpack
ROG Gladius III Mouse P514
TYPE-C, 100W AC Adapter, Output: 20V DC, 5A, 100W, Input: 100~240V AC 50/60Hz universal
Marketing Giveaway (1 Customizable Armor Cap)
*Included accessories vary according to country and territory. Please check with your local ASUS retailer for details

ROG backpack
ROG Impact Gaming Mouse
TYPE-C, 100W AC Adapter, Output: 20V DC, 5A, 100W, Input: 100~240V AC 50/60Hz universal
*Included accessories vary according to country and territory. Please check with your local ASUS retailer for details

HDMI™
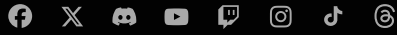HIGH-DEFINITION MULTIMEDIA INTERFACE

- Please note that this Xbox Game Pass offer must be redeemed within 180 days of activating Windows. Systems that have not activated Windows within two years of their manufacture date will be unable to redeem this offer.
- The standard Asus test environment for battery life is as follows: Windows operating system, display module with 150 nits of brightness, lighting off, and other application settings.
- Video Playback: Testing is done with Wi-Fi/Bluetooth off, Windows Power Plan set to Balanced, Taskbar Power Mode set to Battery Saver, system volume at 67%, and video at full screen, 1080p resolution
- Web Browsing: Testing is done with Wi-Fi/Bluetooth, Windows Power Plan set to Balanced, Taskbar Power Mode set to Better Battery, and using the Weblooper Top50 website in Google Chrome to play the video with a refresh time of 10 seconds.
- Factors that affect battery life include laptop configuration, power settings, and the way it is used. Battery capacity fades with its cycle count and age.
- Quick-charging times apply when using the proper ASUS/ROG adapter included alongside the select model and the system is powered off (via the "shut down" command). In compatible scenarios, batteries

ABOUT ROG   HOME   NEWSROOM   ACCESSIBILITY HELP

GET THE LATEST DEALS AND MORE

Enter email address   SIGN UP

🌐 Global/English