

ROG Strix G15 (2022) G513

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ROG Strix G15 (2022) G513
G513RM-HF232X

 Compare


ROG Strix G15 (2022) G513
G513RW-HQ188X

 Compare


ROG Strix G15 (2022) G513
G513RW-HF196X

 Compare


ROG Strix G15 (2022) G513
G513RW-HF187X

 Compare

Operating System

Windows 11 Pro

Windows 11 Pro

Windows 11 Pro

Windows 11 Pro

Processor

AMD Ryzen™ 9 6900HX Mobile Processor (8-core/16-thread, 20MB cache, up to 4.9 GHz max boost)

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Graphics

NVIDIA® GeForce RTX™ 3060 Laptop GPU
ROG Boost: 1752MHz* at 140W (1702MHz Boost)
Clock+50MHz OC, 12GB+2GB Dynamic Boost
8GB GDDR6

NVIDIA® GeForce RTX™ 3070 Ti Laptop GPU
ROG Boost: 1460MHz* at 150W (1410MHz Boost)
Clock+50MHz OC, 12GB+2GB Dynamic Boost
8GB GDDR6

NVIDIA® GeForce RTX™ 3070 Ti Laptop GPU
ROG Boost: 1460MHz* at 150W (1410MHz Boost)
Clock+50MHz OC, 12GB+2GB Dynamic Boost
8GB GDDR6

NVIDIA® GeForce RTX™ 3070 Ti Laptop GPU
ROG Boost: 1460MHz* at 150W (1410MHz Boost)
Clock+50MHz OC, 12GB+2GB Dynamic Boost
8GB GDDR6

Display

15.6-inch
FHD (1920 x 1080) 16:9
anti-glare display
sRGB
100.00%
Adobe:
75.35%
Refresh Rate:
300Hz
Response Time:
3ms
Adaptive-Sync
IPS level
MUX Switch + Optimus
Support Dolby Vision HDR:
Yes

15.6-inch
WQHD (2560 x 1440) 16:9
anti-glare display
sRGB
100.00%
Refresh Rate:
165Hz
Response Time:
3ms
IPS level
Adaptive-Sync
MUX Switch + Optimus
Support Dolby Vision HDR:
Yes

15.6-inch
FHD (1920 x 1080) 16:9
anti-glare display
sRGB
100.00%
Adobe:
75.35%
Refresh Rate:
300Hz
Response Time:
3ms
IPS level
Adaptive-Sync
MUX Switch + Optimus
Support Dolby Vision HDR:
Yes

15.6-inch
FHD (1920 x 1080) 16:9
anti-glare display
sRGB
100.00%
Adobe:
75.35%
Refresh Rate:
300Hz
Response Time:
3ms
IPS level
Adaptive-Sync
MUX Switch + Optimus
Support Dolby Vision HDR:
Yes

Memory

16GB DDR5-4800 SDRAM x 2
Max Capacity:
32GB
Support dual channel memory

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Max Capacity:
32GB
Support dual channel memory

16GB DDR5-4800 SDRAM x 2
Max Capacity:
32GB
Support dual channel memory

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Max Capacity:
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Storage

1TB PCIe® 4.0 NVMe™ M.2 SSD

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1TB PCIe® 4.0 NVMe™ M.2 SSD

I/O Ports

1x 3.5mm Combo Audio Jack
1x HDMI 2.0b
1x USB 3.2 Gen 2 Type-C
2x USB 3.2 Gen 1 Type-A
1x USB 3.2 Gen 2 Type-C support DisplayPort* / power delivery / G-SYNC
1x RJ45 LAN port

1x 3.5mm Combo Audio Jack
1x HDMI 2.0b
1x USB 3.2 Gen 2 Type-C
2x USB 3.2 Gen 1 Type-A
1x USB 3.2 Gen 2 Type-C support DisplayPort* / power delivery / G-SYNC
1x RJ45 LAN port

1x 3.5mm Combo Audio Jack
1x HDMI 2.0b
1x USB 3.2 Gen 2 Type-C
2x USB 3.2 Gen 1 Type-A
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1x RJ45 LAN port

1x 3.5mm Combo Audio Jack
1x HDMI 2.0b
1x USB 3.2 Gen 2 Type-C
2x USB 3.2 Gen 1 Type-A
1x USB 3.2 Gen 2 Type-C support DisplayPort* / power delivery / G-SYNC
1x RJ45 LAN port

Keyboard and Touchpad

Backlit Chiclet Keyboard Per-Key RGB
Support NumberPad
Touchpad

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Camera

FHD 1080P@60FPS external camera



FHD 1080P@60FPS external camera



FHD 1080P@60FPS external camera



FHD 1080P@60FPS external camera



Product Comparison

Product detail comparison. Add up to 4 products or generate your own custom product selection.

[VIEW COMPARISON](#)

Built-in array microphone
2-speaker system with Smart Amplifier Technology

Built-in array microphone
2-speaker system with Smart Amplifier Technology

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2-speaker system with Smart Amplifier Technology

Built-in array microphone
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Network and Communication

Wi-Fi 6E(802.11ax) (Triple band) 2*2 + Bluetooth 5.2
(*BT version may change with OS version different.) - RangeBoost

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Battery

90Wh, 451P, 4-cell Li-ion

90Wh, 451P, 4-cell Li-ion

90Wh, 451P, 4-cell Li-ion

90Wh, 451P, 4-cell Li-ion

Power Supply

4x 6, 240W AC Adapter, Output: 20V DC, 12A, 240W, Input: 100-240V AC 50/60Hz universal
TYPE-C, 100W AC Adapter, Output: 20V DC, 5A, 100W, Input: 100-240V AC 50/60Hz universal

4x 6, 280W AC Adapter, Output: 20V DC, 14A, 280W, Input: 100-240V AC 50/60Hz universal
TYPE-C, 100W AC Adapter, Output: 20V DC, 5A, 100W, Input: 100-240V AC 50/60Hz universal

4x 6, 280W AC Adapter, Output: 20V DC, 14A, 280W, Input: 100-240V AC 50/60Hz universal
TYPE-C, 100W AC Adapter, Output: 20V DC, 5A, 100W, Input: 100-240V AC 50/60Hz universal

4x 6, 280W AC Adapter, Output: 20V DC, 14A, 280W, 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

Weight

2.30 Kg (5.07 lbs)

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Dimensions (W x D x H)

35.4 x 25.9 x 2.26 ~ 2.72 cm (13.94" x 10.20" x 0.89" ~ 1.07")

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Security

BIOS Administrator Password and User Password Protection
Trusted Platform Module (Firmware TPM)

BIOS Administrator Password and User Password Protection
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BIOS Administrator Password and User Password Protection
Trusted Platform Module (Firmware TPM)

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Trusted Platform Module (Firmware TPM)

Included in the Box

ROG backpack
FHD 1080P@60FPS external camera
ROG Impact Gaming Mouse
TYPE-C, 100W AC Adapter, Output: 20V DC, 5A, 100W, Input: 100-240V AC 50/60Hz universal

Pink ROG backpack
Pink mousepad
ROG Strix GD Core Electro Punk
FHD 1080P@60FPS external camera
ROG Strix Impact 5 Electro Punk
TYPE-C, 100W AC Adapter, Output: 20V DC, 5A, 100W, Input: 100-240V AC 50/60Hz universal

ROG backpack
FHD 1080P@60FPS external camera
ROG Impact Gaming Mouse
TYPE-C, 100W AC Adapter, Output: 20V DC, 5A, 100W, Input: 100-240V AC 50/60Hz universal

ROG backpack
FHD 1080P@60FPS external camera
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