

ASUS TUF Gaming A15

Overview Tech Specs Review Support

Viewing 1 - 4 of 4



Model	FA506IH	FA506IV	FA506IU	FA506II
Processor	AMD Ryzen™ 7 4800H Mobile Processor (8-core/16-thread, 12MB Cache, 4.2 GHz max boost) AMD Ryzen™ 5 4600H Mobile Processor (6-core/12-thread, 11MB Cache, 4.0 GHz max boost)	AMD Ryzen™ 9 4900H Mobile Processor (8-core/16-thread, 12MB Cache, 4.4 GHz max boost) AMD Ryzen™ 7 4800H Mobile Processor (8-core/16-thread, 12MB Cache, 4.2 GHz max boost)	AMD Ryzen™ 5 4600H Mobile Processor (6-core/12-thread, 11MB Cache, 4.0 GHz max boost) AMD Ryzen™ 9 4900H Mobile Processor (8-core/16-thread, 12MB Cache, 4.4 GHz max boost) AMD Ryzen™ 7 4800H Mobile Processor (8-core/16-thread, 12MB Cache, 4.2 GHz max boost)	AMD Ryzen™ 5 4600H Mobile Processor (6-core/12-thread, 11MB Cache, 4.0 GHz max boost) AMD Ryzen™ 7 4800H Mobile Processor (8-core/16-thread, 12MB Cache, 4.2 GHz max boost)
Graphics	NVIDIA® GeForce GTX™ 1650, 4GB GDDR6	NVIDIA® GeForce RTX™ 2060, 6GB GDDR6	NVIDIA® GeForce® GTX 1660Ti, 6GB GDDR6	NVIDIA® GeForce® GTX 1650 Ti, 4GB GDDR6
Display	15.6-inch, FHD (1920 x 1080) 16:9, Value IPS-level, Anti-glare display, sRGB:62.5%, Adobe:47.1%, Refresh Rate:144Hz, Optimus 15.6-inch, FHD (1920 x 1080) 16:9, Value IPS-level, Anti-glare display, sRGB:62.5%, Adobe:47.3%, Refresh Rate:60Hz, Optimus	15.6-inch FHD (1920 x 1080) 16:9 Value IPS-level Anti-glare display sRGB:62.5% Adobe:47.1% Refresh Rate:144Hz Optimus Adobe:47.3% Refresh Rate:60Hz IPS-level sRGB:100% Adobe:73.35% Adobe:75.35%	15.6-inch FHD (1920 x 1080) 16:9 Value IPS-level Anti-glare display sRGB:62.5% Adobe:47.1% Refresh Rate:144Hz Optimus Adobe:47.3% Refresh Rate:60Hz	15.6-inch FHD (1920 x 1080) 16:9 Value IPS-level Anti-glare display sRGB:62.5% Adobe:47.1% Refresh Rate:144Hz Optimus Adobe:47.3% Refresh Rate:60Hz

Memory

8GB DDR4-3200 SO-DIMM x 2, Max Capacity:32GB 8GB DDR4-3200 SO-DIMM, Max Capacity:32GB 16GB DDR4-3200 SO-DIMM, Max Capacity:32GB 4GB DDR4-3200 SO-DIMM, Max Capacity:32GB 16GB DDR4-3200 SO-DIMM x 2, Max Capacity:32GB	8GB DDR4-3200 SO-DIMM x 2 Max Capacity:32GB 16GB DDR4-3200 SO-DIMM 8GB DDR4-3200 SO-DIMM 16GB DDR4-3200 SO-DIMM x 2	8GB DDR4-3200 SO-DIMM Max Capacity:32GB 8GB DDR4-3200 SO-DIMM x 2 16GB DDR4-3200 SO-DIMM 16GB DDR4-3200 SO-DIMM x 2	8GB DDR4-3200 SO-DIMM Max Capacity:32GB 16GB DDR4-3200 SO-DIMM x 2 8GB DDR4-3200 SO-DIMM x 2 4GB DDR4-3200 SO-DIMM
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Storage

256GB PCIe® 3.0 NVMe™ M.2 SSD, 2x DDR4 SO-DIMM slots 1x M.2 PCIe 512GB PCIe® 3.0 NVMe™ M.2 SSD, 2x DDR4 SO-DIMM slots 1x M.2 PCIe 1TB 5400RPM 2.5" SATA HDD, 512GB PCIe® 3.0 NVMe™ M.2 SSD, 2x DDR4 SO-DIMM slots 1x M.2 PCIe 1TB 5400RPM 2.5" SATA HDD, 2x DDR4 SO-DIMM slots 1x M.2 PCIe 1TB 5400RPM 2.5" SATA HDD, 256GB PCIe® 3.0 NVMe™ M.2 SSD, 2x DDR4 SO-DIMM slots 1x M.2 PCIe 1TB PCIe® 3.0 NVMe™ M.2 SSD, 2x DDR4 SO-DIMM slots 1x M.2 PCIe	512GB PCIe® 3.0 NVMe™ M.2 SSD 1TB PCIe® 3.0 NVMe™ M.2 SSD 1TB 5400RPM 2.5" SATA HDD 256GB PCIe® 3.0 NVMe™ M.2 SSD	512GB PCIe® 3.0 NVMe™ M.2 SSD 1TB PCIe® 3.0 NVMe™ M.2 SSD 1TB 5400RPM 2.5" SATA HDD 256GB PCIe® 3.0 NVMe™ M.2 SSD	512GB PCIe® 3.0 NVMe™ M.2 SSD 1TB 5400RPM 2.5" SATA HDD 256GB PCIe® 3.0 NVMe™ M.2 SSD
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I/O Ports

1x 3.5mm Combo Audio Jack 1x HDMI 2.0b 1x USB 2.0 Type-A (data speed up to 480Mbps) 1x USB 3.2 Gen 2 Type-C (data speed up to 10Gbps) 2x USB 3.2 Gen 1 Type-A (data speed up to 5Gbps) 1x RJ45 LAN port	1x 3.5mm Combo Audio Jack 1x HDMI 2.0b 1x USB 2.0 Type-A (data speed up to 480Mbps) 1x USB 3.2 Gen 2 Type-C (data speed up to 10Gbps) 2x USB 3.2 Gen 1 Type-A (data speed up to 5Gbps) 1x RJ45 LAN port	1x 3.5mm Combo Audio Jack 1x HDMI 2.0b 1x USB 2.0 Type-A (data speed up to 480Mbps) 1x USB 3.2 Gen 2 Type-C (data speed up to 10Gbps) 2x USB 3.2 Gen 1 Type-A (data speed up to 5Gbps) 1x RJ45 LAN port	1x 3.5mm Combo Audio Jack 1x HDMI 2.0b 1x USB 2.0 Type-A (data speed up to 480Mbps) 1x USB 3.2 Gen 2 Type-C (data speed up to 10Gbps) 2x USB 3.2 Gen 1 Type-A (data speed up to 5Gbps) 1x RJ45 LAN port
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Keyboard and Touchpad

Backlit Chiclet Keyboard 1-Zone RGB Touchpad	Backlit Chiclet Keyboard 1-Zone RGB Touchpad	Backlit Chiclet Keyboard 1-Zone RGB Touchpad	Backlit Chiclet Keyboard 1-Zone RGB Touchpad
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Camera

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

DTS software Built-in array microphone Built-in speaker	DTS software Built-in array microphone Built-in speaker	DTS software Built-in array microphone Built-in speaker	DTS software Built-in array microphone Built-in speaker
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Network and Communication

Wi-Fi 5(802.11ac) (Dual band) 2*2 + Bluetooth® 5.0 (*Bluetooth® version may	Wi-Fi 5(802.11ac) (Dual band) 2*2 + Bluetooth® 5.0 (*Bluetooth® version may	Wi-Fi 5(802.11ac) (Dual band) 2*2 + Bluetooth® 5.0 (*Bluetooth® version may	Wi-Fi 5(802.11ac) (Dual band) 2*2 + Bluetooth® 5.0 (*Bluetooth® version may
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	change with OS version different.)	change with OS version different.)	change with OS version different.)	change with OS version different.)
Battery	48WHrs, 3S1P, 3-cell Li-ion	90WHrs, 4S1P, 4-cell Li-ion 48WHrs, 3S1P, 3-cell Li-ion	48WHrs, 3S1P, 3-cell Li-ion 90WHrs, 4S1P, 4-cell Li-ion	48WHrs, 3S1P, 3-cell Li-ion
Power Supply	ø6.0, 150W AC Adapter, Output: 20V DC, 7.5A, 150W, Input: 100~240V AC, 50/60Hz universal	ø6.0, 230W AC Adapter, Output: 19.5V DC, 11.8A, 230W, Input: 100~240V AC, 50/60Hz universal	ø6.0, 180W AC Adapter, Output: 20V DC, 9A, 180W, Input: 100~240V AC, 50/60Hz universal	ø6.0, 150W AC Adapter, Output: 20V DC, 7.5A, 150W, Input: 100~240V AC, 50/60Hz universal
Weight	2.30 Kg (5.07 lbs)	2.30 Kg (5.07 lbs)	2.30 Kg (5.07 lbs)	2.30 Kg (5.07 lbs)
Dimensions (W x D x H)	35.9 x 25.6 x 2.47 ~ 2.49 cm (14.13" x 10.08" x 0.97" ~ 0.98")	35.9 x 25.6 x 2.47 ~ 2.49 cm (14.13" x 10.08" x 0.97" ~ 0.98")	35.9 x 25.6 x 2.47 ~ 2.49 cm (14.13" x 10.08" x 0.97" ~ 0.98")	35.9 x 25.6 x 2.47 ~ 2.49 cm (14.13" x 10.08" x 0.97" ~ 0.98")
Security	BIOS Administrator Password and User Password Protection Kensington Security Slot™	BIOS Administrator Password and User Password Protection Kensington Security Slot™	BIOS Administrator Password and User Password Protection Kensington Security Slot™	BIOS Administrator Password and User Password Protection Kensington Security Slot™
Operating System	WITHOUT OS Windows 10 Home - ASUS recommends Windows 11 Pro for business Device comes with Windows 10 and a free Windows 11 upgrade or may be preloaded with Windows 11. Windows 10 Pro - ASUS recommends Windows 11 Pro for business No preinstalled OS	WITHOUT OS Windows 10 Home - ASUS recommends Windows 11 Pro for business Device comes with Windows 10 and a free Windows 11 upgrade or may be preloaded with Windows 11. Windows 10 Pro - ASUS recommends Windows 11 Pro for business	WITHOUT OS Windows 10 Home - ASUS recommends Windows 11 Pro for business Device comes with Windows 10 and a free Windows 11 upgrade or may be preloaded with Windows 11. Windows 10 Pro - ASUS recommends Windows 11 Pro for business	Windows 10 Home - ASUS recommends Windows 11 Pro for business Device comes with Windows 10 and a free Windows 11 upgrade or may be preloaded with Windows 11. WITHOUT OS Windows 10 Pro - ASUS recommends Windows 11 Pro for business
Microsoft Office	1-month trial for new Microsoft 365 customers. Credit card required. Office Home and Student 2019 included Microsoft Office Home & Business 2019 WPS Office 30 days trial version Office Home and Student WPS Office Standard Edition (With license for 3 products)	1-month trial for new Microsoft 365 customers. Credit card required. WPS Office 30 days trial version Office Home and Student Office Home and Student 2019 included	1-month trial for new Microsoft 365 customers. Credit card required. Office Home and Student 2019 included WPS Office 30 days trial version Office Home and Student	1-month trial for new Microsoft 365 customers. Credit card required. Office Home and Student Office Home and Student 2019 included WPS Office Standard Edition (With license for 3 products) WPS Office 30 days trial version

Xbox Game Pass

Xbox Game Pass for PC_1 month (*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_1 month (*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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Note

¹Upgrade timing may vary by device. Features and app availability may vary by region. Certain features require specific hardware (see <https://www.microsoft.com/en-us/windows/windows-11-specifications>).

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Included in the Box

TUF Gaming Mouse M5
TUF Gaming backpack

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TUF Gaming backpack

TUF Gaming Mouse M5
TUF Gaming backpack

TUF Gaming backpack
TUF Gaming Mouse M5

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Optical Drives

Data Storage

External Graphics Docks

WiFi 7

WiFi 6

WiFi Routers

Whole Home Mesh WiFi System

Business Network Solutions

Wired Networking

Intelligent Robots

AIoT & Industrial Solutions

Servers

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