

Alienware m15 R3 / Technical Specifications

Feature	Technical Specification	Feature	Technical Specification
Model Number	R3	Ports	(1x) Power/DC-in (1x) RJ-45 Killer™ Ethernet E3000 10/100/1000Mbps/2.5Gbps (2x) Type-A USB 3.2 Gen 1 (1x) Type-A USB 3.2 Gen 1 with Powershare technology (1x) Thunderbolt™ 3 Port (USB Type-C™ with support for USB 3.2 Gen 2 10Gbps, 40Gbps Thunderbolt, and DisplayPort 1.2) (1x) Alienware Graphics Amplifier (1x) HDMI 2.0b with HDCP 2.2 Output (1x) Mini-Display Port 1.4 (certified) Output (1x) Audio Out 1/8" (Compatible with inline mic headset) (1x) microSD 5.1, UHS-II HD312 Card Reader
Processor Options	10th Generation Intel® Core™ i5-10300H (4-Core, 8MB Cache, up to 4.5GHz w/ Turbo Boost 2.0) 10th Generation Intel® Core™ i7-10750H (6-Core, 12MB Cache, up to 5.1GHz w/ Turbo Boost 2.0) 10th Generation Intel® Core™ i9-10980HK (8-Core, 16MB Cache, up to 5.3GHz w/ Turbo Boost 2.0)	External Slots	Wedge-shaped lock slot
Operating System	Microsoft® Windows® 10 Home 64-bit Microsoft® Windows® 10 Pro 64-bit	Chassis Features	Based on Alienware's Legend industrial design language Engineered with Alienware Cryo-Tech™ Cooling technology Engineered with HyperEfficient Voltage Regulation Constructed with a Magnesium Alloy exterior shell and copper alloy thermal components
Chipset	Mobile Intel® HM470 Chipset	Color Options and Paint Detail	Lunar Light with High Endurance Clear Coat Dark Side of the Moon with High Endurance Clear Coat
Memory Options	8GB DDR4 2666MHz 16GB DDR4 2666MHz 32GB DDR4 2666MHz	Keyboard Options	Alienware mSeries 4-Zone AlienFX RGB keyboard (Standard) <ul style="list-style-type: none">• 1.4mm key travel• Includes anti-ghosting technology Alienware mSeries per-key AlienFX RGB keyboard (Optional) <ul style="list-style-type: none">• 1.7mm key travel• Includes anti-ghosting and N-key rollover technology• 0.2mm-dish concave key design
Storage Options	SINGLE STORAGE CONFIGURATIONS 256GB PCIe M.2 SSD 512GB PCIe M.2 SSD 1TB PCIe M.2 SSD 2TB PCIe M.2 SSD RAID0 CONFIGURATIONS 512GB (2x 256GB PCIe M.2 SSD) RAID0 1TB (2x 512GB PCIe M.2 SSD) RAID0 2TB (2x 1TB PCIe M.2 SSD) RAID0 4TB (2x 2TB PCIe M.2 SSD) RAID0 RAID0 PLUS CONFIGURATIONS 1TB (2x 512GB PCIe M.2 SSD) RAID0 [Boot] + 512GB PCIe M.2 SSD [Storage] 2TB (2x 1TB PCIe M.2 SSD) RAID0 [Boot] + 512GB PCIe M.2 SSD [Storage] 4TB (2x 2TB PCIe M.2 SSD) RAID0 [Boot] + 512GB PCIe M.2 SSD [Storage]	Touchpad Details	Multi-touch gesture premium precision-point glass touchpad with integrated scrolling
Graphics Options	NVIDIA® GeForce GTX® 1650 Ti 4GB GDDR6 NVIDIA® GeForce GTX® 1660 Ti 6GB GDDR6 NVIDIA® GeForce RTX™ 2060 6GB GDDR6 (OC Ready) AMD Radeon™ RX 5500M 4GB GDDR6 NVIDIA® GeForce RTX™ 2070 8GB GDDR6 NVIDIA® GeForce RTX™ 2070 SUPER 8GB GDDR6 NVIDIA® GeForce RTX™ 2080 SUPER 8GB GDDR6 with Max-Q Design	Camera Detail	Alienware HD (1280x720 resolution) camera with dual-array integrated microphones
Alienware Cryo-Tech™ Details	<ul style="list-style-type: none">• 66 CPU fan blades• 66 GPU fan blades• 64mm CPU fan blade diameter• 64mm GPU fan blade diameter• 4x copper-alloy heat pipes• 244.5g of copper-alloy material• CPU Vapor Chamber cooling technology (available with 12-phase GPU voltage regulation configs)	Connectivity Options	Killer™ Ethernet E3000 10/100/1000Mbps/2.5Gbps NIC (Standard) Killer™ Wi-Fi6 AX1650i 802.11ax 2x2 Wireless LAN and Bluetooth 5.0 (Standard)
Hyper-Efficient Voltage Regulation Details	Configurations based on NVIDIA® GeForce GTX® 1650 Ti graphics <ul style="list-style-type: none">• 4-phase CPU voltage regulation• 6-phase GPU voltage regulation Configurations based on AMD Radeon™ RX 5500M graphics <ul style="list-style-type: none">• 6-phase CPU voltage regulation• 8-phase GPU voltage regulation Configurations based on NVIDIA® GeForce GTX® 1660 Ti graphics or higher <ul style="list-style-type: none">• 8-phase CPU voltage regulation• 12-phase GPU voltage regulation	Battery Options	Lithium Ion (56 Whr) Battery with Alienware Battery Defender technology (Standard) Lithium Ion (86 Whr) Battery with Alienware Battery Defender technology
Display Options	15.6" FHD (1920 x 1080) 144Hz 7ms 300-nits 72% NTSC color gamut 15.6" FHD (1920 x 1080) 144Hz 7ms 300-nits 72% NTSC color gamut with NVIDIA G-SYNC technology 15.6" FHD (1920 x 1080) 300Hz 3ms 300-nits 100% sRGB color gamut 15.6" OLED UHD (3840 x 2160) 60Hz 1ms 400-nits 100% DCI-P3 color gamut + Tobii Eyetracking technology Additional Display Specifications (all options) <ul style="list-style-type: none">• All options feature our narrowest border on an Alienware 15" notebook, ever• Wide Viewing Angles on all displays with 85 degree viewing from all directions• 800:1 contrast ratio on FHD 144Hz• 1000:1 contrast ratio on FHD 300Hz• 100000:1 contrast ratio on UHD OLED 60Hz	Power Adapter Options	130W adapters 180W adapters 240W adapters
Audio and Speakers	2-Way (Woofer/Tweeter) Stereo Speaker Design Introduces Discrete Smart Amp Woofer technology <ul style="list-style-type: none">» Delivers 2.5x bass improvement over previous generation» Delivers 2x treble improvement over previous generation» Delivers 30% loudness improvement over previous generation for full range performance	Dimensions & Weight	Height (rear): 19.5 mm. (0.768 in.) Height (peak): 20.5 mm. (0.807 in.) with OLED or 144Hz displays [19.9 mm. (0.783 in.) for the 300Hz display] Height (front): 18.3 mm. (0.720 in.) with OLED or 144Hz displays [17.9 mm. (0.704 in.) for the 300Hz display] Depth: 276.2 mm. (10.87 in.) with OLED Display Depth: 276 mm. (10.86 in.) with Non-OLED Display Width: 360.3 mm. (14.19 in.) Lowest weight: 2.11 Kgs. (4.65 Lbs.) Maximum weight: 2.5 Kgs. (5.5 Lbs.)
		Software	Alienware Command Center including AlienFX lighting, Game Library with auto-tune game profile functionality, Fusion (and Alienware Adrenalin, Alienware Mobile Connect
		Peripheral Ecosystem	Alienware 34 Curved Gaming Monitor – AW3420DW, Alienware Graphics Amplifier, Alienware 7.1 Gaming Headset – AW510H, Alienware Low-Profile RGB Mechanical Gaming Keyboard – AW510K, Alienware RGB Gaming Mouse – AW510M, Alienware 25 Gaming Monitor – AAW2521HF/L

