

Alienware m15 R4 / Technical Specifications

Feature	Technical Specification	Feature	Technical Specification
Model Number	Alienware m15 R4 gaming laptop	Ports	Left (1x) Wedge-shaped lock slot (cable and lock sold separately) (1x) RJ-45 Killer™ Ethernet E3100X 10/100/1000Mbps/2.5Gbps Port (1x) Type-A USB 3.2 Gen 1 Port with PowerShare technology (1x) Audio Out 1/8" Ports (Compatible with inline mic headset)
Processor Options	10th Generation Intel® Core™ i7-10870H (8-Core, 16MB Cache, up to 5.0GHz Max Turbo Frequency) 10th Generation Intel® Core™ i9-10980HK (8-Core, 16MB Cache, up to 5.3GHz Max Turbo Frequency)		Right (2x) Type-A USB 3.2 Gen 1 Port (1x) microSD 5.1, UHS-II HD312 Card Reader
Operating System	Microsoft® Windows® 10 Home 64-bit Microsoft® Windows® 10 Pro 64-bit		Back (1x) Power/DC-in Port (1x) Alienware Graphics Amplifier Port (1x) Thunderbolt™ 3 Port (USB Type-C™ with support for USB 3.2 Gen 2 10Gbps, 40Gbps Thunderbolt, and DisplayPort 1.2) (1x) Mini-Display Port 1.4 (certified) Output Port (1x) HDMI 2.1 Output Port
Chipset¹	Mobile Intel® HM470 Chipset		
Memory Options	8GB DDR4 2933MHz 16GB DDR4 2933MHz 32GB DDR4 2933MHz	Chassis Materials	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
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]		Color Options Lunar Light with High Endurance Clear Coat Dark Side of the Moon with High Endurance Clear Coat
			Keyboard Options - Alienware mSeries 4-Zone AlienFX RGB keyboard (Standard) 1.7mm key travel Includes anti-ghosting technology - Alienware mSeries per-key AlienFX RGB keyboard (Optional) 1.7mm key travel Includes anti-ghosting and N-key rollover technology 0.2mm-dish concave key design
			Touchpad Details Multi-touch gesture premium precision-point glass touchpad with integrated scrolling.
			Camera Alienware FHD (1920x1080 resolution) camera with dual-array integrated microphones
Graphics	Next Generation NVIDIA Graphics	Networking Details	Killer™ Ethernet E3100X 10/100/1000Mbps/2.5Gbps NIC (Standard) Killer™ Wi-Fi 6 AX1650i 802.11ax 2x2 Wireless LAN and Bluetooth 5.1 (Standard)
Alienware Cryo-Tech™ Details	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	Battery Details	Lithium Ion (86 Whr) Battery with Alienware Battery Defender technology
Hyper-Efficient Voltage Regulation Details	All configurations are designed with the following specification 6-phase CPU voltage regulation 12-phase GPU voltage regulation	Power Adapter	240W adapter
Display	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 15" UHD display meets HDR500 "True Black" compliance	Dimensions & Weight	Height (rear): 19.7 mm. (0.776 in.) Height (front): 18.39 mm. (0.7240 in.) with OLED [17.8 mm. (0.701 in.) with the 300Hz display] Height (peak): 20.5 mm. (0.807 in.) with OLED [19.9 mm. (0.783. in.) with the 300Hz display] Depth: 276.32 mm. (10.879 in.) with OLED [275.92 mm. (10.863 in.) with the 300Hz display] Width: 360.3 mm. (14.19 in.) Lowest weight: 2.11 Kgs. (4.65 Lbs.) Maximum weight: 2.5 Kgs. (5.5 Lbs.)
Audio Details	2-Way (Woofer/Tweeter) Stereo Speaker Design Includes Discrete Smart Amp Woofer technology		Software Alienware Command Center including AlienFX lighting, Game Library with auto-tune game profile functionality, Fusion (and Alienware Adrenalin, Alienware Mobile Connect
Optical Drive Options	Yes, External options only		
Trusted Protection Module	Included and firmware/software based		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

