

Alienware x17 R2

Chassis Details

System Dimensions

- Height (w/FHD 360Hz panel): 20.9 mm. (0.823 in.)
- Height (w/UHD 120Hz or FHD 165Hz panels): 21.4 mm (0.843 in.)
- Length: 299.57 mm. (11.79 in.)
- Width: 399.23 mm. (15.72 in.)
- Lowest weight: 2.96 Kgs. (6.54 Lbs.)
- Maximum weight: 3.09 Kgs. (6.82 Lbs.)

Exterior Chassis Color and Finish

- Lunar Light with High Endurance Clear Coat designed for stain resistance

Chassis Features

- Based on Alienware's Legend 2.0 industrial design language
- Constructed with magnesium alloy and aluminum parts
- Engineered with Alienware Cryo-Tech™ Cooling technology
- Includes Alienware's Quad-Fan Design (patent-pending)
- Element 31 thermal interface material (available with NVIDIA GeForce RTX 3070 Ti graphics or higher)
- CPU Vapor Chamber technology (available with NVIDIA GeForce RTX 3070 Ti graphics or higher)

Display Options

- 17.3" FHD (1920 x 1080) 165Hz 3ms with ComfortView Plus, NVIDIA G-SYNC and Advanced Optimus
- 17.3" FHD (1920 x 1080) 360Hz 1ms with ComfortView Plus, NVIDIA G-SYNC and Advanced Optimus
- 17.3" UHD (3840 x 2160) 120Hz 4ms with ComfortView Plus, NVIDIA G-SYNC and Advanced Optimus

Additional Display Specifications

- FHD panels feature 300-nits brightness and 100% sRGB color gamut
- UHD panel features 500-nits brightness and 99% DCI-P3 color gamut
- All configurations are Dolby Vision and Dolby Atmos certified.

Battery Detail

- Lithium Ion (87 Whr) Battery with Alienware Battery Defender technology **(Standard)**

Integrated Camera Detail

- Alienware HD (1280x720 resolution) camera with dual-array microphones and Windows Hello IR support

AlienFX Lighting Detail

- Programmable with up to 16.8 million distinct colors
- Rear stadium lighting now engineered with 90 micro LEDs for bold new look

Keyboard Options

- Alienware X Series thin keyboard with per-key AlienFX lighting
- 1.5mm key travel
- Includes N-key rollover and anti-ghosting technology
- Alienware's CherryMX ultra low-profile mechanical laptop keyboard with per-key AlienFX lighting

1.8mm key travel

Includes N-key rollover and anti-ghosting technology

Touchpad Detail

Multi-touch gesture touchpad with integrated scrolling

Power Adapter Options

240W Small Form Factor adapter (**Standard**)

330W Small Form Factor adapter

Core and Compute Details

Intel® Core™ i7 12700H (14-Core/20-Thread, 24MB L3 Cache, up to 4.7GHz Max Turbo Frequency)

Intel® Core™ i9 12900HK (14-Core/20-Thread, 24MB L3 Cache, up to 5.0GHz Max Turbo Frequency)

Graphics* Options

NVIDIA® GeForce RTX™ 3060 6GB GDDR6

NVIDIA® GeForce RTX™ 3070 Ti 8GB GDDR6

NVIDIA® GeForce RTX™ 3080 Ti 16GB GDDR6

Graphics Specifications:

NVIDIA® GeForce RTX™ 3060 6GB GDDR6

Includes 12-phase HyperEfficient graphics voltage regulation

Max TGP: 115W

Dynamic Boost: 25W

Maximum Graphics Power: 140W

Base clock: 1387 MHz

Boost clock: 1702 MHz

NVIDIA® GeForce RTX™ 3070 Ti 8GB GDDR6

Includes 12-phase HyperEfficient graphics voltage regulation

Max TGP: 125W

Dynamic Boost: 25W

Maximum Graphics Power: 150W

Base clock: 1035 MHz

Boost clock: 1485 MHz

NVIDIA® GeForce RTX™ 3080 Ti 16GB GDDR6

Includes 12-phase HyperEfficient graphics voltage regulation

TGP: 150W

Dynamic Boost: 25W

Maximum Graphics Power: 175W

Base clock: 1230 MHz

Boost clock: 1590 MHz

Memory* Options

16GB Dual-Channel DDR5 4800MHz
32GB Dual-Channel DDR5 4800MHz
64GB Dual-Channel DDR5 4800MHz

Memory Slots

Two DDR5 SO-DIMM slots

Storage* Options

SINGLE STORAGE CONFIGURATIONS

256GB PCIe NVMe M.2 SSD
512GB PCIe NVMe M.2 SSD
1TB PCIe NVMe M.2 SSD
2TB PCIe NVMe M.2 SSD

DUAL-DRIVE CONFIGURATIONS

512GB RAID 0 (2x 256GB PCIe NVMe M.2 SSD)
1TB RAID 0 (2x 512GB PCIe NVMe M.2 SSD)
2TB RAID 0 (2x 1TB PCIe NVMe M.2 SSD)
4TB RAID 0 (2x 2TB PCIe NVMe M.2 SSD)

Audio, Networking and Wireless

Networking and Wi-Fi Details

Killer™ E3100 2.5G Ethernet NIC
Killer™ Wi-Fi 6 (6E* Pre-certified) AX1675 802.11ax 2x2 Wireless LAN and Bluetooth 5.2 (**Standard**)
*6E in US and South Korea

External Chassis Connections

Left

(1x) Power/DC-in Port

Right

(1x) Global headset jack

Back

(2x) Type-A USB 3.2 Gen 1 Port, with PowerShare
(1x) Type-C USB 3.2 Gen 2 Port, with Power Delivery (5V/3A)
(1x) Type-C Thunderbolt 4 / USB 3.2 Gen 2 Port, with Power Delivery (5V/3A)
(1x) MicroSD Card Slot
(1x) HDMI 2.1 Output Port
(1x) Mini Display Port 1.4
(1x) RJ-45 Killer™ Ethernet E3100 2.5G Ethernet Port

Software

Operating System Options (Varies by Region)

Windows® 11 Home (64-bit) (**Standard**)

Windows® 11 Pro (64-bit)

Alienware Command Center

Dashboard navigates all features, including themes, system performance, and overclocking

- Five Tailored Power States (full speed, performance, balanced, quiet, and battery saver)
- Game Library to manage titles from multiple services
- FX supports full RGB values up to 16.8 million colors
- Power Management adjusts power plans with a game
- Overclocking controls system performance and overclocking profiles