

# ALIENWARE x17 R2



## ALIENWARE'S THINNEST 17" LAPTOP YET

### Facts and Details:

- This generation of Alienware x17 is a more powerful and feature rich laptop that includes new 12<sup>th</sup> generation Intel Core processors, DDR5 memory, NVIDIA GeForce RTX 30-series laptop graphics with improved display features – all within a thin profile to encourage mobility while prioritizing performance and functionality.
  - All x17 R2 configurations now come with Dolby Vision and Dolby Atmos certification providing an HDR visual experience and surround sound that are both designed by the studios that originally created the content.
  - Engineered with Alienware Cryo-tech cooling technology with elements including our industry-first, Alienware exclusive: Element 31 thermal interface material made of a Gallium-Silicone matrix. Now available on all configurations. Each configuration also includes our patent-pending quad-fan design along with our patent-pending Smart Fan control technology where each individual fan can independently spin-up, slow-down or remain steady according to various sensors within the system.
  - Using a complex, yet well defined and confidential set of parameters, gamers can select from five uniquely Tailored Power States according to their needs including : Full Speed (max power), Performance mode (graphics priority), Balanced mode (balanced CPU/GPU), battery save mode, and Quiet mode (acoustics priority).
  - X-Series includes Alienware's HyperEfficient Voltage Regulation technology; capable of up to 12-phase graphics voltage regulation (x17), 8-phase graphics voltage regulation (x15), and up to 7-phase graphics voltage regulation (x14) – the benefit is high-performance over marathon gaming sessions (long hours)
  - Includes the evolved AlienFX lighting experience with 100 micro-LEDs in the rear stadium lighting zone alone (the x15 has 90) and is addressable as a singular zone in Alienware Command Center. The Alien head, keyboard and power button lighting are also customizable.
  - ComfortView Plus, hardware based low blue light technology that that does not degrade picture quality is available on all x17 configurations
  - Windows Hello IR camera for Facial Biometrics, security and user login available on all configurations.
  - Designed using magnesium alloy for structural rigidity, thinness, and lightness along with various CNC machined aluminum parts to enable a new level of thinness.
  - Introduces Alienware's X-Series thin keyboard with a 1.5mm key travel and includes N-Key Rollover technology as well as Anti-ghosting technology. Also continues to feature Alienware's CherryMX ultra low-profile mechanical laptop keyboard with a 1.8mm key travel and per-key AlienFX lighting.
  - Systems weighs a maximum of 3.09 Kgs. (6.82 Lbs.)and includes an 87 Whr Lithium-Ion battery
- System Dimensions:
- Length: 299.57 mm. ( 11.79 in.)
  - Width: 399.23 mm. ( 15.72 in.)
  - Height:
    - (w/FHD 360Hz panel): 20.9 mm. ( 0.823 in.)
    - (w/UHD 120Hz or FHD 165Hz panels): 21.4 mm ( 0.843 in.)

# TECHNICAL SPECIFICATIONS



## 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 CNC aluminum and magnesium alloy parts  
Engineered with Alienware Cryo-Tech™ Cooling technology  
Includes Alienware's Quad-Fan Design (patent-pending)  
Element 31 thermal interface material (available with NVIDIA graphics options higher than 3060)

## 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 panels 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-Cores/20-Thread, 24MB L3 Cache, up to 5.0GHz Max Turbo Frequency)

## Graphics Options

NVIDIA® GeForce RTX™ 3060 6GB GDDR6  
NVIDIA® GeForce RTX™ 30 Series Laptop Graphics  
NVIDIA® GeForce RTX™ 30 Series Laptop Graphics

## Memory Options

16GB Dual-Channel DDR5 4800MHz  
32GB 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

All configurations are Dolby Atmos certified.

## 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

(1x) 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

## 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
- Sound Center dials in the perfect sound by managing sound profiles, audio effects, and Audio Recon