

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 12th 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 enabled providing color profiles 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



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
All configurations are certified for Dolby Vision and Dolby Atmos technologies
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

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 zone engineered with 100 micro LEDs for bold 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 GaN FET adapter (Standard)
330W Small Form Factor GaN FET adapter

Audio, Networking and Wireless

Networking and Wi-Fi Details

Killer™ E3100 2.5G Ethernet NIC
Intel® Killer™ Wi-Fi 6E AX1675 802.11ax 2x2 Wireless Lan and Bluetooth 5.2
*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 (Includes Thunderbolt 4, USB4®, 15W (5V/3A) Power Delivery, and DisplayPort 1.4)
(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

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
TGP: 105W
Dynamic Boost: 25W
Maximum Graphics Power: 130W
Base clock: 1387 MHz
Boost clock: 1702 MHz

NVIDIA® GeForce RTX™ 3070 Ti 8GB GDDR6
Includes 12-phase HyperEfficient graphics voltage regulation
TGP: 115W
Dynamic Boost: 25W
Maximum Graphics Power: 140W
Base clock: 1035 MHz
Boost clock: 1485 MHz

NVIDIA® GeForce RTX™ 3080 Ti 16GB GDDR6
Includes 12-phase HyperEfficient graphics voltage regulation
TGP: 140W
Dynamic Boost: 25W
Maximum Graphics Power: 165W
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)