

# ALIENWARE 18/16 AREA-51 Laptops

## Reviewers Guide





A L I E N W A R E™ 

## AREA-51 Laptops

The ultimate mobile gaming experience

### *Table of Contents*

Overview	3
New power	4
Evolved thermals	5
Tech Specs	6
Gallery	7
Ecosystem	11

## ALIENWARE 18/16 AREA-51 Laptops

### The Ultimate Gaming Laptops

The Area-51 tier represents Alienware's flagships. This generation introduces Alienware 30 – a design language named in celebration of our forthcoming 30th anniversary. Watch our [Deep Dive video](#) on YouTube for even more details surrounding the new Alienware 30 industrial design.

#### *The new performance precedent*

Our new generation of Area=51 laptops resets the standard for power, performance, and immersive gameplay in any Alienware laptop. With a performance-first mindset, Area-51 reaches new limits.

#### *Relentless thermal strategy*

True to Area-51's name, developing these systems began with thermals in mind. These laptops elevate each dimension of the thermal architecture with larger fans, more copper, higher airflow, and vapor chambers.

#### *Ergonomics for you*

Our new industrial design evokes a sense of mystery and curiosity with its iridescent Liquid Teal colorway but also making daily use extremely comfortable with fluid contours, pillowed palm rests, and an invisible Zero Hinge that encourage hours of daily use.



#### *Power tools everywhere*

Whether at home or on the go, Area-51 laptops are built with key features that improve performance in every category. An upgraded webcam, networking, and ports strategy make all the things better outside of the game.

#### *12TB storage capability*

Over the years its no doubt many gamers have huge libraries of games and archives. Area-51 systems have up to 3 PCIe-SSD slots for incredible performance and exceptional capacity at the same time.

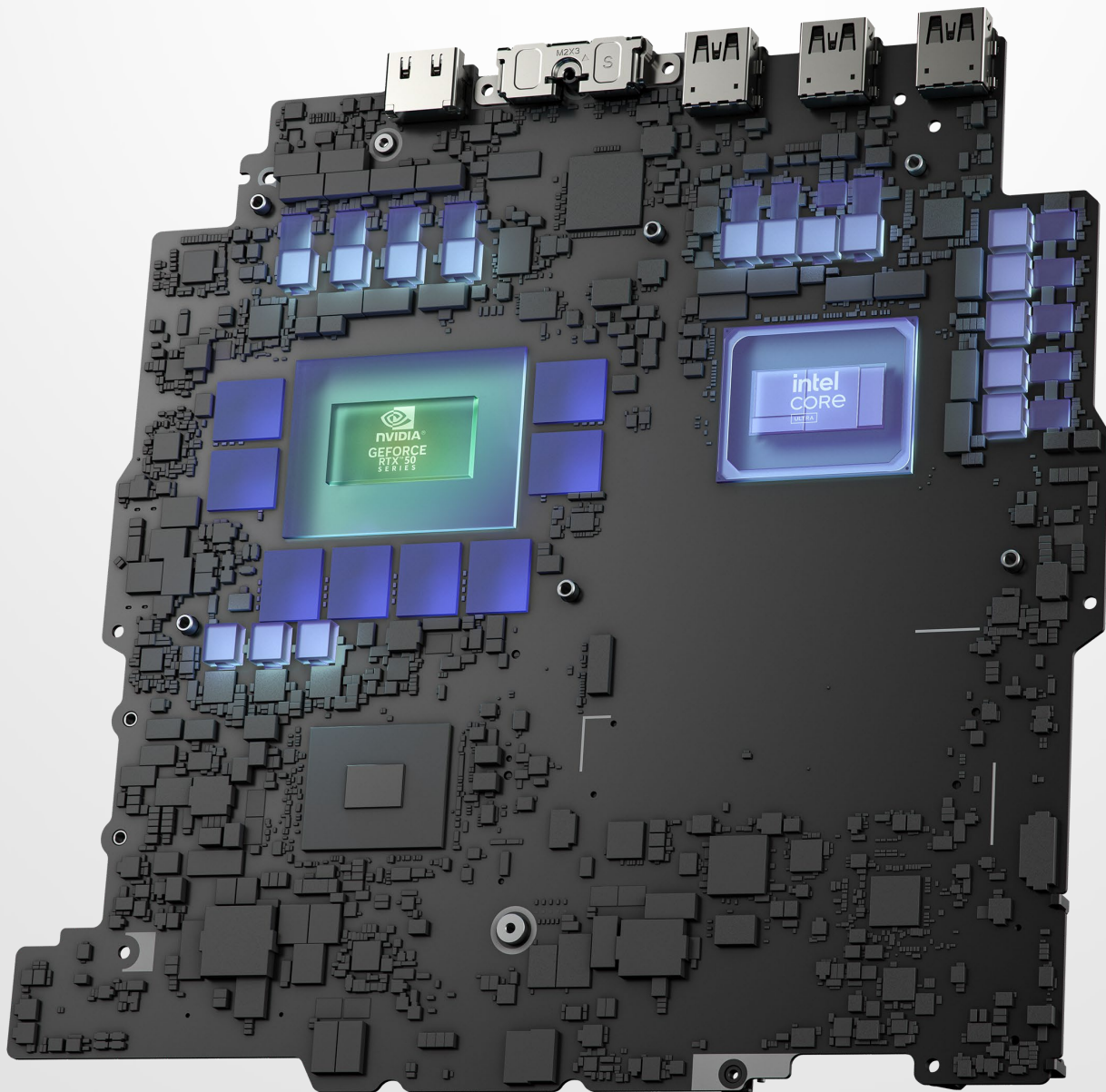


## ALIENWARE 18/16 AREA-51 Laptops

### A new power ceiling.

Area-51 laptops are designed to enable full-performance graphics by ensuring wattage to the GPU is prioritized and maximized. When combining the total wattage devoted to CPU and GPU, Area-51 laptops are providing more sheer energy to its components than ever before.

- Up to 280W of total performance power on the 18 Area-51.
- Up to 240W of total performance power on the 16 Area-51.
- Both systems are designed to devote up to 175W towards graphics power and in particular serving NVIDIA GeForce RTX 5080 and 5090 graphics options.





## ALIENWARE 18/16 AREA-51 Laptops

### Evolved Thermal Strategy

The systems are engineered with innovation to be the ultimate gaming experience – with these laptops it meant developing a new approach across multiple disciplines such as driving more performance with a new thermal strategy. This meant introducing the new Cryo-chamber which has helped us achieve increased airflow using the largest fans we've ever had on a gaming laptop for the sake of performance and at the same time attempting to lower acoustic output to make a quiet gaming flagship laptop experience. We're also incredibly excited to also feature a Gorilla Glass viewing window where we debut our first AlienFX-enabled fans in an Alienware laptop.



**-15%**

#### *Quieter Acoustics*

Area-51 laptops have reduced acoustic output by up to 15% during graphics intensive tasks. The thermal strategy accomplishes this by using thermal modules that carry high amounts of copper to dissipate heat.

**+35%**

#### *More Airflow*

Area-51 laptops now move up to more than 35% airflow through its chassis. We've accomplished by increasing the surface area where we see flow and optimizing our fan geometries.

**+20%**

#### *More Fan Volume*

Both Area-51 laptops saw an increase in fan volume but our 18" has 20% more volume devoted to fans with a quad-fan setup that moves air using various modes and power states to quickly accelerate or reduce flow as prioritized.



# ALIENWARE 18/16 AREA-51 Laptops

<b>Model Number</b>	AA18250 / AA16250	<b>Graphics Options</b>	<input type="checkbox"/> NVIDIA® GeForce RTX™ 5060 8GB GDDR7 <input type="checkbox"/> NVIDIA® GeForce RTX™ 5070 8GB GDDR7 <input type="checkbox"/> NVIDIA® GeForce RTX™ 5070 Ti 12GB GDDR7 <input type="checkbox"/> NVIDIA® GeForce RTX™ 5080 16GB GDDR7 <input type="checkbox"/> NVIDIA® GeForce RTX™ 5090 24GB GDDR7
<b>System Color</b>	Liquid Teal – Anodized Aluminum	<b>Memory Options</b>	<input type="checkbox"/> 16GB Dual Channel DDR5 (2x 8GB) at 6400 MT/s <input type="checkbox"/> 32GB Dual Channel DDR5 (2x 16GB) at 6400 MT/s <input type="checkbox"/> 32GB Dual Channel DDR5 XMP (2x 16GB) at 7200 MT/s <input type="checkbox"/> 64GB Dual Channel DDR5 (2x 32GB) at 6400 MT/s
<b>Chassis Features</b>	<p>Dual Torque and telescopic element, Zero Hinge enables an organic and invisible hinge</p> <p>Cryo-Chamber enables increased airflow supporting our higher wattage ceiling while maintaining skin temps and lowering acoustics.</p> <p>Reformed V-rail edges aid in daily use providing an ergonomic approach to using the laptop</p> <p>Thermal module is constructed with more copper and a larger vapor chamber than previous designs</p> <p>Vapor chamber cooling technology is limited to configurations with NVIDIA® GeForce RTX™ 5070 Ti or higher graphics.</p> <p>All configurations are enabled to support Dolby Vision and Dolby Atmos technologies</p> <p>All configurations include 4-Speaker Spatial Sound</p>	<b>Storage Options</b>	<b>Single Storage Drive Options</b> <input type="checkbox"/> 1TB NVMe M.2 PCIe Gen4 SSD <input type="checkbox"/> 2TB NVMe M.2 PCIe Gen4 SSD <input type="checkbox"/> 2TB NVMe M.2 PCIe Gen5 SSD  <b>Dual Drive Options</b> <input type="checkbox"/> 4TB (2x TB) RAID0 NVMe M.2 PCIe SSD <input type="checkbox"/> 8TB (2x 4TB) RAID0 NVMe M.2 PCIe SSD <input type="checkbox"/> 12TB (3x 4TB) RAID0 NVMe M.2 PCIe SSD
<b>Display Details</b>	<input type="checkbox"/> 18.0" WQXGA (2560 x 1600) 300Hz 3ms, 100% DCI-P3 gamut, 500 nits, ComfortView Plus, NVIDIA G-SYNC + Advanced Optimus	<b>Optical Drive Options</b>	No Optical Drive Dell External USB DVD/RW (optional)
<b>Battery Detail</b>	Lithium Ion (96 Whr) Battery with Alienware Battery Defender technology	<b>Audio Details</b>	Integrated High-Definition Performance Audio
<b>Integrated Webcam Options</b>	<input type="checkbox"/> Alienware 2MP FHD IR (1920 x 1080 resolution) camera with dual-array microphones and Windows Hello support <input type="checkbox"/> Alienware 8MP UHD HDR IR (3840 x 2160 resolution) camera with dual-array microphones and Windows Hello support	<b>Networking and Wi-Fi</b>	Intel® Killer™ E3100 2.5Gbps Ethernet NIC (18" only) Intel® Killer™ Wi-Fi 7 BE1750 (2x2 320Hz) MIMO 802.11be Wireless LAN and Bluetooth 5.4
<b>Keyboard Options</b>	<input type="checkbox"/> Alienware per-key AlienFX RGB keyboard <input type="checkbox"/> Alienware's CherryMX ultra low-profile mechanical laptop keyboard with per-key AlienFX lighting	<b>External Chassis Connections</b>	<b>Left Side Ports</b> (1x) Global headset jack (1x) Full sized SD card (push-pull)  <b>Rear Ports</b> (1x) RJ-45 Killer™ E5000 2.5 Gigabit Ethernet (18" only) (2x) USB Type-A 3.2 Gen 1 5Gbps (1x) USB Type-A 3.2 Gen 1 5Gbps with PowerShare technology (2x) Thunderbolt 5 ports* (dependent on GPU selection) (1) HDMI 2.1
<b>Touchpad Details</b>	<input type="checkbox"/> Multi-touch gesture touchpad with integrated scrolling <input type="checkbox"/> Multi-touch AlienFX touchpad with integrated scrolling (on configurations including NVIDIA® GeForce RTX™ 5070 Ti and higher only)	<b>18" Dimensions</b>	Height (front): 24.32mm. (0.95 in.) Height (maximum): 30.5 mm (1.2 in.) Width (maximum): 410 mm. (16.1 in.) Depth (maximum): 320 mm. (12.6 in.) Maximum weight: 4.34 Kgs. (9.56 lbs.)
<b>Motherboard Details</b>	Chipset Intel® Z890 Chipset Voltage Regulation Up to 8-phase processor voltage regulation Up to 11-phase graphics voltage regulation	<b>16" Dimensions</b>	Height (front): 24.22 mm. (0.95 in.) Height (maximum): 28.5 mm (1.12 in.) Width (maximum): 365 mm. (14.37 in.) Depth (maximum): 290 mm. (11.41 in.) Maximum weight: 3.4 Kgs. (7.49 lbs.)
<b>Processor Options</b>	<input type="checkbox"/> Intel® Core™ Ultra 9 processor 275HX (24-Core, 36MB Cache, 2.7Ghz to 5.4GHz) <input type="checkbox"/> Intel® Core™ Ultra 7 processor 255HX (20-Core, 30MB Cache, 2.4Ghz to 5.2GHz)	<b>Power adapter</b>	360W Small Form Factor GaN FET adapter (1 Kg. (2.2 Lbs.))

Available configurations and components may vary over the course of the product's lifecycle.

\*Only available in Asia and Europe at launch



# ALIENWARE 18/16 AREA-51 Laptops

## Product Gallery

Up to 4K 8MP HDR IR Webcam with dual-array microphones and Windows Hello support

500 nits brightness  
100% DCI-P3 gamut  
3ms response time  
Dolby Vision

16" 240Hz or  
18" 300Hz

ComfortView Plus low blue  
light filtering



*Alienware 18 Area-51 pictured above*



# ALIENWARE 18/16 AREA-51 Laptops

## Product Gallery



Alienware 16 Area-51 pictured above





# ALIENWARE 18/16 AREA-51 Laptops

## Product Gallery

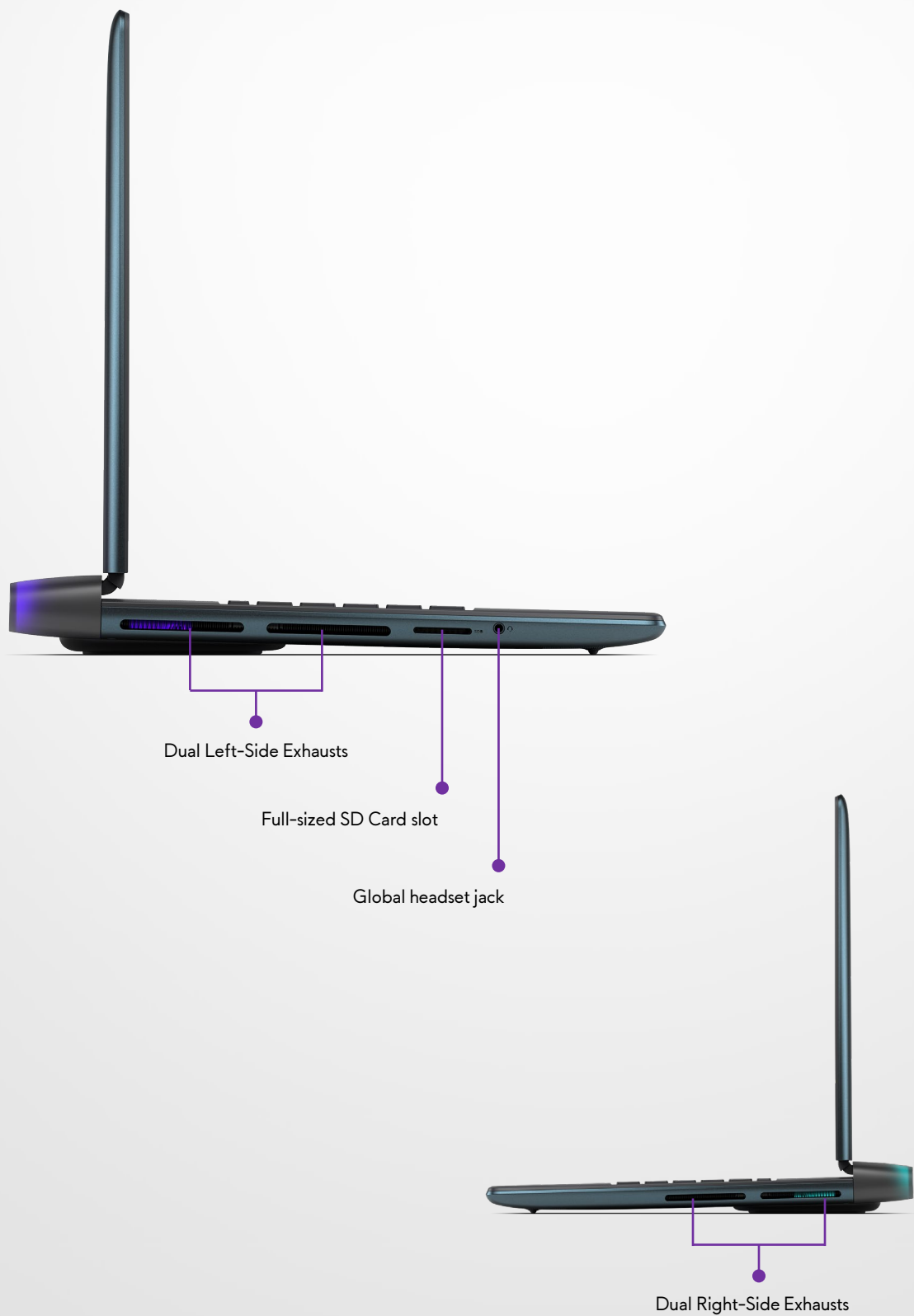


*Alienware 18 Area-51 pictured above*



# ALIENWARE 18/16 AREA-51 Laptops

## Product Gallery





## RECOMMENDED ACCESSORIES



**ALIENWARE 27 4K QD-OLED GAMING MONITOR – AW2725Q**

An unrivaled viewing experience in every scene with our 27-inch QD-OLED monitor, featuring a 4K resolution, curved panel, Dolby Vision and 240Hz refresh rate.



**Alienware Pro Headset**

Professional-grade wireless gaming headset featuring 50mm graphene-coated drivers, 2-Mic AI Noise Cancellation and Active Noise Cancellation. Engineered with input from professional esports athletes.



**Alienware Pro Mouse**

Gaming mouse with 4KHz wireless or 8KHz wired polling rates for a pure mind-to-mouse connection. Professionally approved and ultra-lightweight at <60g.



**Alienware Pro Keyboard**

Alienware's professional-approved wireless gaming keyboard featuring hot-swappable switches, a 75% form factor and new Alienware Linear Mechanical Switches.

