

# Alienware 13 R2



[Views](#)

[Specifications](#)

**NOTE:** The images in this document may differ from your computer depending on the configuration you ordered.

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2015 - 10 Rev. A01

Regulatory model: P56G | Type: P56G002

Computer model: Alienware 13 R2

**ALIENWARE** 



Back



Left



Right



Base



Display

## Back



- 1 External graphics port**  
Connect an Alienware Graphics Amplifier.

- 2 HDMI port**  
Connect a TV or another HDMI-in enabled device.  
Provides video and audio output.



Back



Left



Right

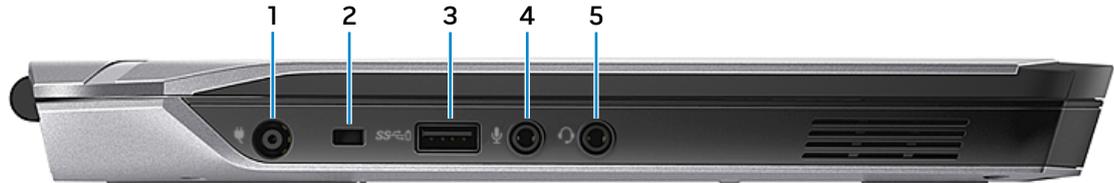


Base



Display

## Left



### 1 Power-adaptor port

Connect a power adapter to provide power to your computer and charge the battery.

### 2 Security-cable slot

Connect a security cable to prevent unauthorized movement of your computer.

### 3 USB 3.0 port with PowerShare

Connect peripherals such as storage devices, printers, and so on. Provides data transfer speeds up to 5 Gbps.

PowerShare allows you to charge your USB devices even when your computer is turned off.

**NOTE:** If the charge on your battery is less than 10%, then you must connect the power adapter to charge the devices connected to PowerShare port.

**NOTE:** If a USB device is connected to the PowerShare port before the computer is powered off or in hibernate state, you must disconnect and connect it again to enable charging.

### 4 Microphone/headphone port

Connect an external microphone to provide sound input or a headphone.

### 5 Headset port

Connect a headphone, a microphone, or a headphone and microphone combo (headset).



Back



Left



Right

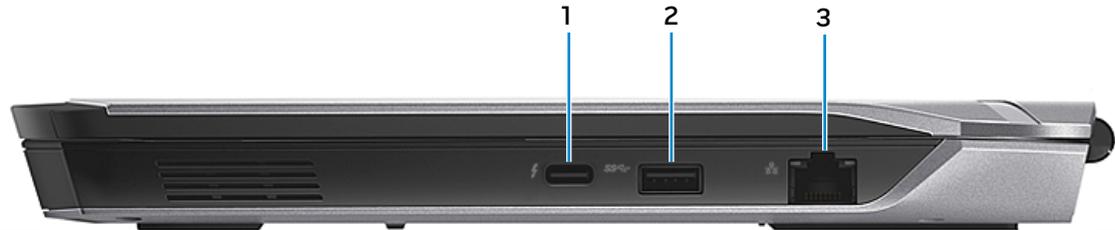


Base



Display

## Right



### 1 Thunderbolt 3 port (USB-C)

Supports USB 3.1 Gen 2, DisplayPort over USB-C, and Thunderbolt 3. Provides data transfer rates up to 10 Gbps for USB 3.1 Gen 2 and up to 40 Gbps for Thunderbolt 3.

### 2 USB 3.0 port

Connect peripherals such as storage devices, printers, and so on. Provides data transfer speeds up to 5 Gbps.

### 3 Network port

Connect an Ethernet (RJ45) cable from a router or a broadband modem for network or internet access.

The two lights next to the connector indicate the connectivity status and network activity.



## Base



Back



Left



Right



Base



Display



**1 Hard-drive activity light**

Turns on when the computer reads from or writes to the hard drive.

**2 Wireless-status light**

Turns on when wireless is turned on.

**3 Caps-lock status light**

Turns on when caps lock is turned on.

**4 Left-click area.**

Press to left-click.

**5 Touch pad**

Move your finger on the touch pad to move the mouse pointer. Tap to left-click.

**6 Right-click area**

Press to right-click.

**7 Power button/power-status light**

Press to turn on the computer if it is turned off or in sleep state.

Press to put the computer in sleep state if it is turned on.

Press and hold for 4 seconds to force shut-down the computer.

Indicates the power-state of the computer.



## Display



Back



Left



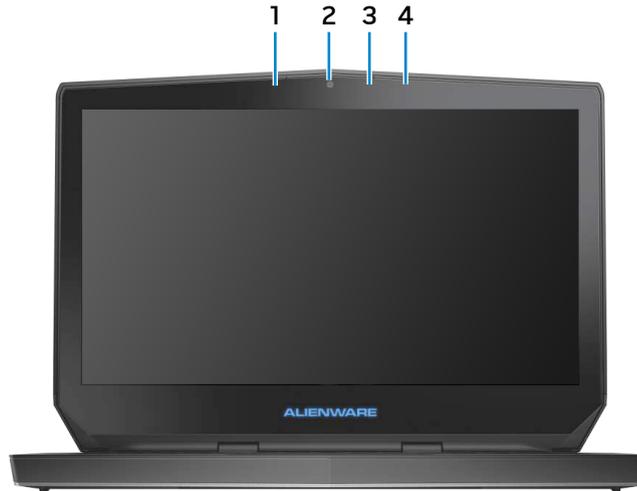
Right



Base



Display



**1 Left microphone**

Provides high-quality digital sound input for audio recording, voice calls, and so on.

**2 Camera**

Allows you to video chat, capture photos, and record videos.

**3 Camera-status light**

Turns on when the camera is in use.

**4 Right microphone**

Provides high-quality digital sound input for audio recording, voice calls, and so on.

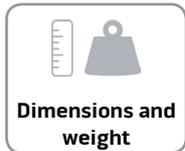


# Specifications

## Dimensions and weight

Width	328 mm (12.91 in)
Depth	235 mm (9.25 in)
Height:	
HD (Non touch)	26.41 mm to 28.90 mm (1.03 in to 1.14 in)
Full HD (Non touch)	26.41 mm to 28.90 mm (1.03 in to 1.14 in)
QHD+ (Touch)	24.84 mm to 27.90 mm (0.98 in to 1.10 in)
Weight (maximum):	
HD (Non touch)	2.07 kg (4.56 lb)
Full HD (Non touch)	2 kg (4.40 lb)
QHD+ (Touch)	2.10 kg (4.63 lb)

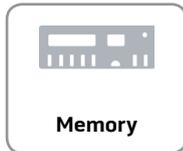
**NOTE:** The weight of your laptop varies depending on the configuration ordered and the manufacturing variability.



Dimensions and weight



System information



Memory



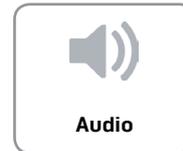
Ports and connectors



Communications



Video



Audio



Storage



Display



Keyboard



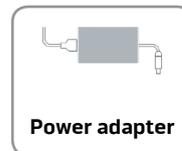
Camera



Touch pad



Battery



Power adapter



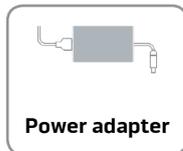
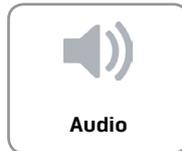
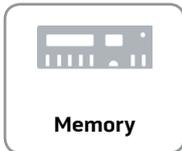
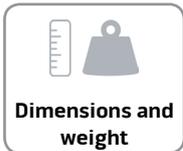
Computer environment



# Specifications

## System information

Computer model	Alienware 13 R2
Processor	<ul style="list-style-type: none"><li>6<sup>th</sup> generation Intel Core i5</li><li>6<sup>th</sup> generation Intel Core i7</li></ul>
L3 cache	<ul style="list-style-type: none"><li>3 MB</li><li>4 MB</li></ul>

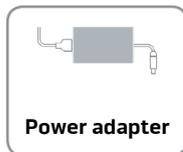
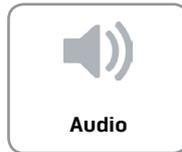
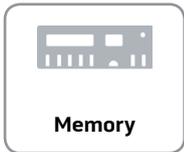
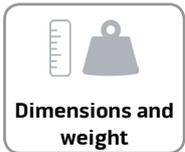




# Specifications

## Memory

Slot	Two SODIMM slots
Type	DDR3L
Speed	1600 MHz
Configurations supported	8 GB, 12 GB, and 16 GB





# Specifications

## Ports and connectors

### External:

Network

One RJ45 port

USB

- One USB 3.0 port with Powershare
- One USB 3.0 port
- One Thunderbolt 3 port (USB-C)

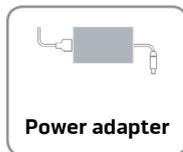
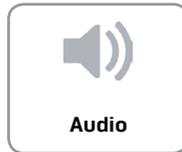
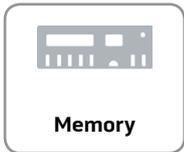
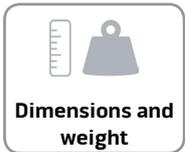
Audio/video

- One HDMI port
- One headphone and microphone combo (headset) port
- One microphone/headphone retaskable port
- One external graphics port

### Internal:

M.2 card

One M.2 card slot for Wi-Fi, Bluetooth combo, and Wireless display (optional)





# Specifications

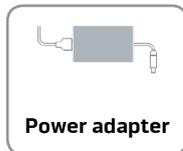
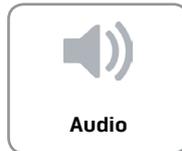
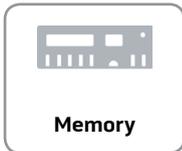
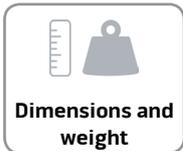
## Communications

Ethernet

10/100/1000 Mbps Ethernet controller integrated on system board

Wireless

- Wi-Fi 802.11ac
- Bluetooth 4.1
- Wireless display (WiDi) (optional)
- Miracast (Windows 8.1 and Windows 10)





# Specifications

## Video

Controller	Intel HD Graphics 520
Memory	Shared system memory
Discrete:	
Controller	NVIDIA GeForce GTX 960M
Memory	2 GB GDDR5



**Dimensions and weight**



**System information**



**Memory**



**Ports and connectors**



**Communications**



**Video**



**Audio**



**Storage**



**Display**



**Keyboard**



**Camera**



**Touch pad**



**Battery**



**Power adapter**



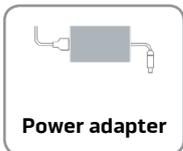
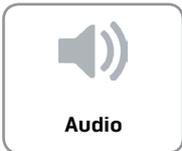
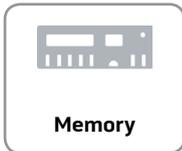
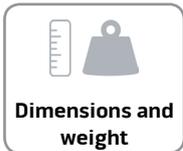
**Computer environment**



# Specifications

## Audio

Controller	Realtek ALC 3234 with Creative Sound Blaster X-Fi MB3
Speakers	Two (Klipsch powered stereo speaker system)
Speaker output:	
Average	2 W
Peak	2.5 W
Microphone	Digital array-microphones
Volume controls	Media-control shortcut keys



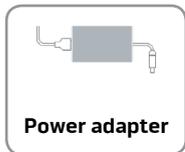
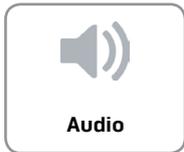
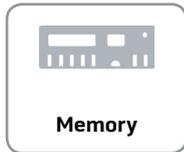
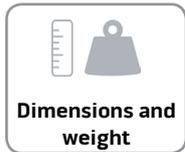


# Specifications

## Storage

Interface	SATA 6 Gbps
Hard drive	One 2.5-inch drive
Solid-state drive	Two M.2 PCIe/SATA drives

**NOTE:** Your computer can accommodate either one 2.5-inch hard drive or two solid-state drives.

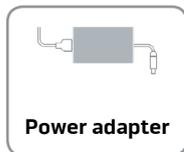
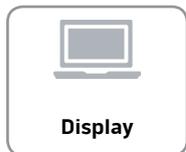
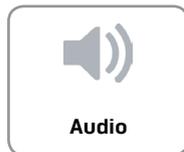
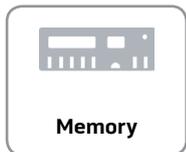




# Specifications

## Display

Type	<ul style="list-style-type: none"> <li>13.3-inch HD</li> <li>13.3-inch Full HD</li> <li>13.3-inch QHD+</li> </ul>		
	<b>Non touch (HD)</b>	<b>Non touch (Full HD)</b>	<b>Touch (QHD+)</b>
Resolution (maximum)	1366 x 768	1920 x 1080	3200 x 1800 (QHD+)
Dimensions:			
Height	165 mm (6.49 in)	165.10 mm (6.50 in)	165.24 mm (6.50 in)
Width	293.40 mm (11.55 in)	293.60 mm (11.56 in)	293.76 mm (11.56 in)
Diagonal	337.82 mm (13.3 in)	337.82 mm (13.3 in)	337.82 mm (13.3 in)
Pixel pitch	0.215 x 0.215 mm	0.153 x 0.153 mm	0.115 x 0.115 mm
Refresh rate	60 Hz		
Operating angle	0 degrees (closed) to 140 degrees		
Controls	Brightness can be controlled using shortcut keys.		

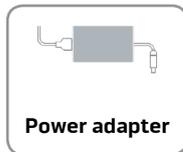
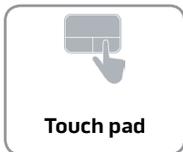
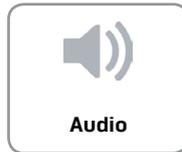
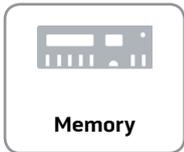
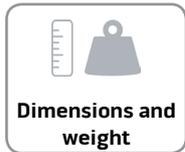




# Specifications

## Keyboard

Type	Backlit keyboard
Shortcut keys	<p>Some keys on your keyboard have two symbols on them. These keys can be used to type alternate characters or to perform secondary functions. To type the alternate character, press Shift and the desired key. To perform secondary functions, press Fn and the desired key.</p> <p><b>NOTE:</b> You can define the primary behavior of the shortcut keys by changing <b>Function Key Behavior</b> in BIOS setup program.</p> <p><a href="#">List of shortcut keys.</a></p>





## Shortcut keys

	+		Allows to disconnect Alienware Graphics Amplifier
	+		Disable/Enable wireless
	+		Mute audio
	+		Decrease volume
	+		Increase volume
	+		Switch to external display
	+		Decrease brightness
	+		Increase brightness
	+		Disable/Enable touch pad
	+		Disable/Enable AlienFX



# Specifications

## Camera

### Resolution:

Still image 2.1 megapixel

Video 1920 x 1080 (Full HD) at 30 fps (maximum)

Diagonal viewing angle 74 degrees



Dimensions and weight



System information



Memory



Ports and connectors



Communications



Video



Audio



Storage



Display



Keyboard



Camera



Touch pad



Battery



Power adapter



Computer environment



# Specifications

## Touch pad

### Resolution:

Horizontal	2417 dpi
Vertical	2189 dpi

### Dimensions:

Width	107 mm (4.21 in)
Height	67 mm (2.63 in)



Dimensions and weight



System information



Memory



Ports and connectors



Communications



Video



Audio



Storage



Display



Keyboard



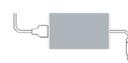
Camera



Touch pad



Battery



Power adapter



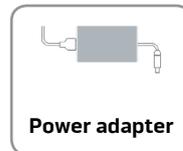
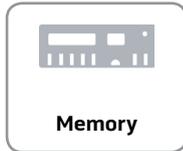
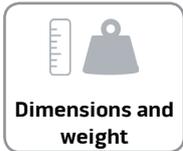
Computer environment



# Specifications

## Battery

Type	<ul style="list-style-type: none"><li>4-cell lithium polymer 51 WHr</li><li>4-cell lithium polymer 62 WHr</li></ul>
Dimensions:	
Width	299.20 mm (11.78 in)
Depth	76.83 mm (3.02 in)
Height	13.50 mm (0.53 in)
Weight (maximum)	0.287 kg (0.63 lb)
Voltage	14.8 VDC
Charging time when the computer is off (approximate)	Within 4 hours
Operating time	Varies depending on operating conditions and can significantly reduce under certain power-intensive conditions.
Life span (approximate)	300 discharge/charge cycles
Temperature range:	
Operating	0°C to 35°C (32°F to 95°F)
Storage	-40°C to 65°C (-40°F to 149°F)
Coin-cell battery	CR-2032

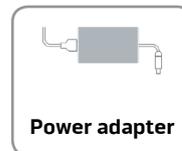
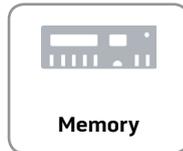
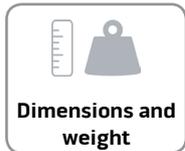




# Specifications

## Power adapter

Type	130 W
Input voltage	100 VAC–240 VAC
Input frequency	50 Hz–60 Hz
Input current	2.5 A
Output current	6.70 A
Rated output voltage	19.50 VDC
Temperature range:	
Operating	0°C to 40°C (32°F to 104°F)
Storage	–40°C to 70°C (–40°F to 158°F)





# Specifications

## Computer environment

Airborne contaminant level	G1 as defined by ISA-S71.04-1985	
	<b>Operating</b>	<b>Storage</b>
Temperature range	0°C to 35°C (32°F to 95°F)	-40°C to 65°C (-40°F to 149°F)
Relative humidity (maximum)	10% to 90% (non-condensing)	0% to 95% (non-condensing)
Vibration (maximum)*	0.66 GRMS	1.30 GRMS
Shock (maximum)	110 G <sup>†</sup>	160 G <sup>‡</sup>
Altitude (maximum)	-15.2 m to 3048 m (-50 ft to 10,000 ft)	-15.2 m to 10,668 m (-50 ft to 35,000 ft)

\* Measured using a random vibration spectrum that simulates user environment.

† Measured using a 2 ms half-sine pulse when the hard drive is in use.

‡ Measured using a 2 ms half-sine pulse when the hard-drive head is in parked position.

