

Alienware 13



[Views](#)

[Specifications](#)

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

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2015 - 07 Rev. A00

Regulatory model: P56G | Type: P56G002

Computer model: Alienware 13 R2

ALIENWARE 



Back



Left



Right

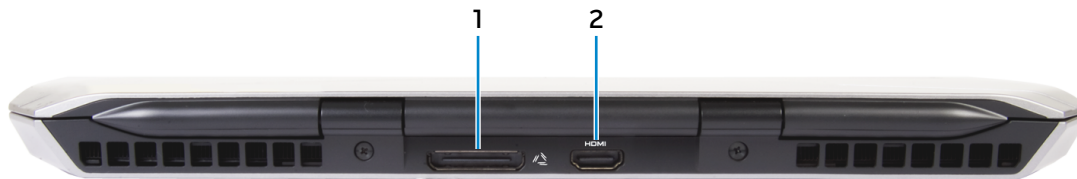


Base



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

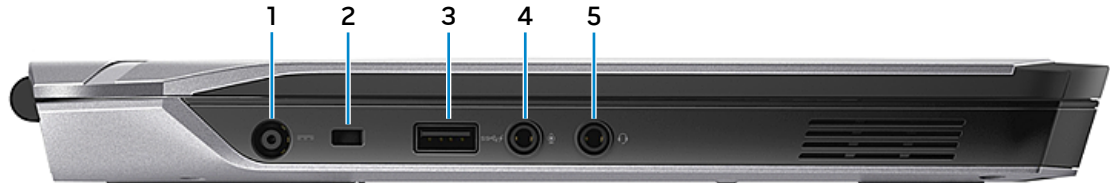


Base



Display

Left



1 Power-adapter 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

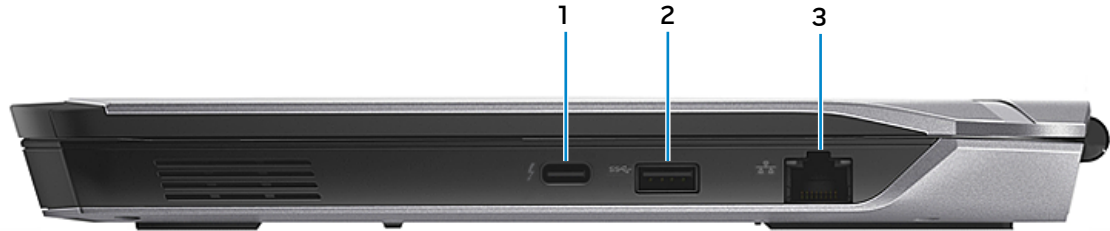


Base



Display

Right



1 Thunderbolt 3 port (USB Type-C)

Supports USB 3.1 Gen 2 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



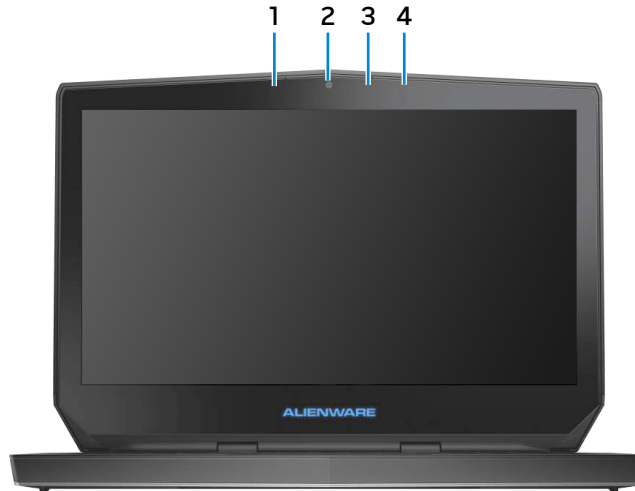
Right



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) |

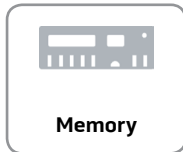
NOTE: The weight of your laptop varies depending on the configuration ordered and the manufacturing variability.



Dimensions and weight



System information



Memory



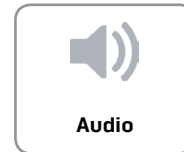
Ports and connectors



Communications



Video



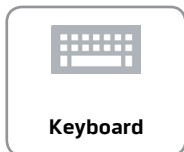
Audio



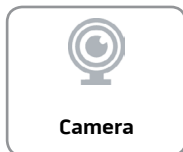
Storage



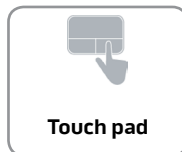
Display



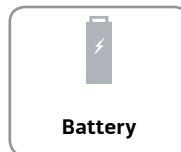
Keyboard



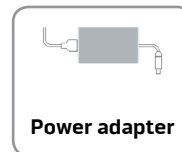
Camera



Touch pad



Battery



Power adapter



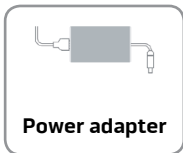
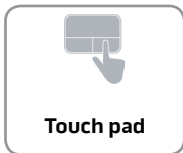
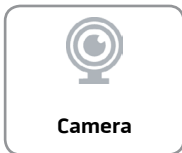
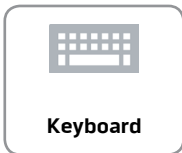
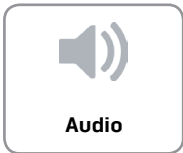
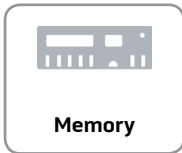
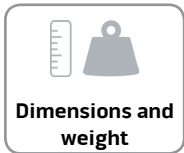
Computer environment



Specifications

System information

| | |
|----------------|---|
| Computer model | Alienware 13 R2 |
| Processor | <ul style="list-style-type: none">6th generation Intel Core i56th generation Intel Core i7 |
| L3 cache | <ul style="list-style-type: none">3 MB4 MB |

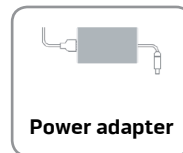
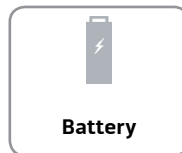
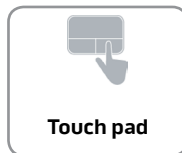
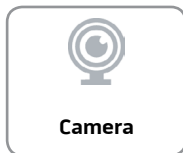
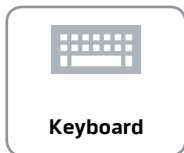
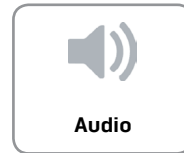
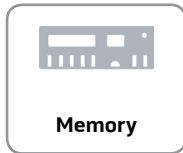
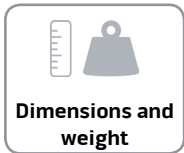




Specifications

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 USB Type-C port

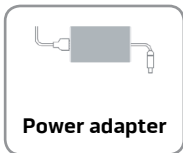
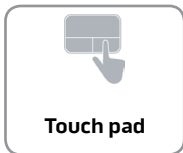
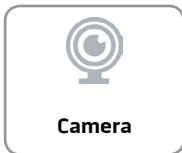
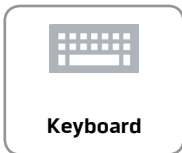
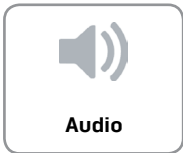
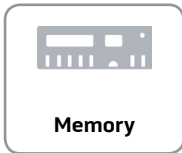
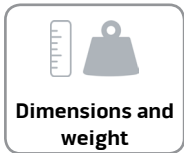
Audio/video

- 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

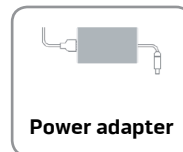
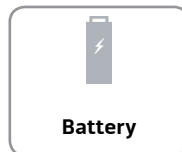
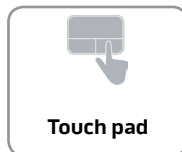
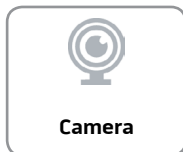
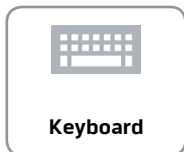
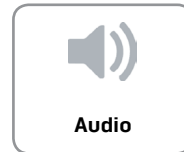
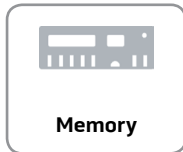
Communications

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)

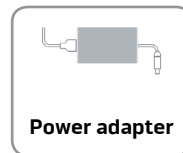
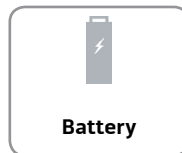
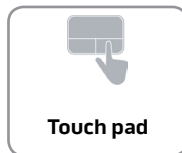
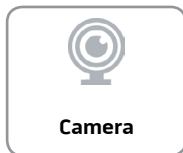
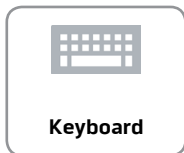
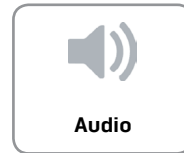
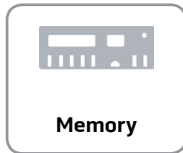
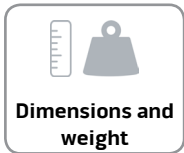




Specifications

Video

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

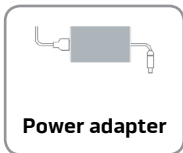
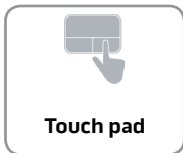
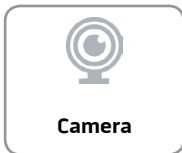
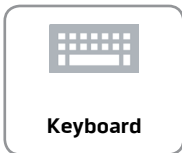
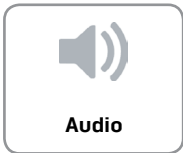
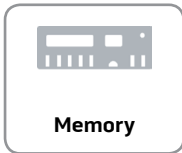
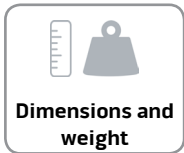




Specifications

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 |



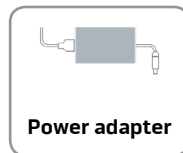
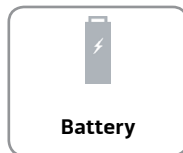
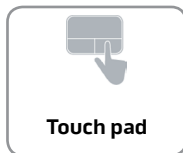
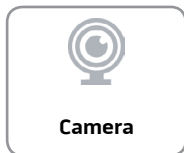
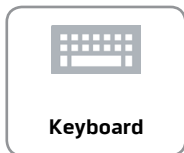
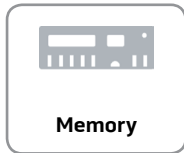
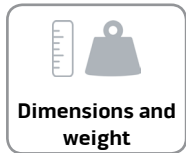


Specifications

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.

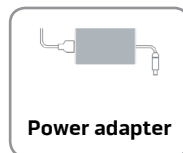
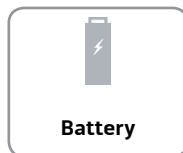
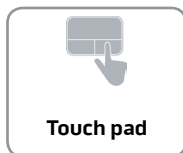
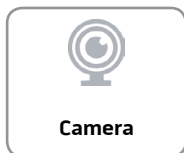
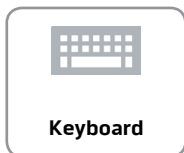
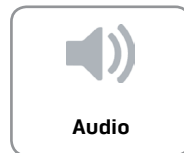
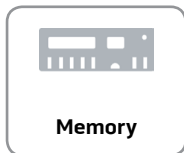
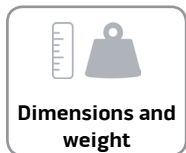




Specifications

Display

| | | | |
|----------------------|---|----------------------------|----------------------|
| Type | <ul style="list-style-type: none">13.3-inch HD13.3-inch Full HD13.3-inch QHD+ | | |
| | Non touch (HD) | Non touch (Full HD) | Touch (QHD+) |
| 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

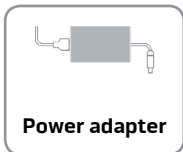
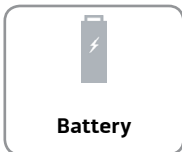
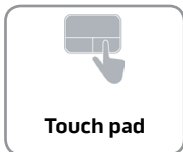
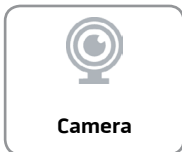
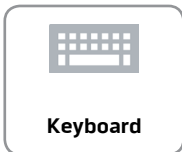
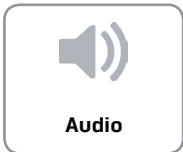
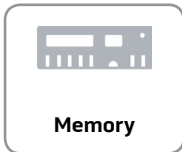
Keyboard

Type Backlit keyboard

Shortcut keys 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.





















NOTE: You can define the primary behavior of the shortcut keys by changing **Function Key Behavior** in BIOS setup program.

[List of shortcut keys.](#)





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

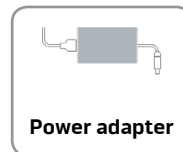
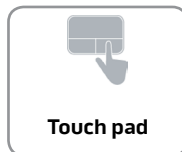
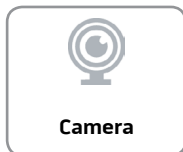
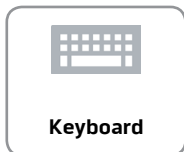
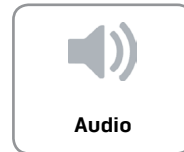
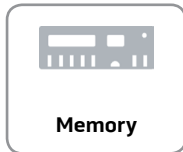
Camera

Resolution:

Still image 2.1 megapixel

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

Diagonal viewing angle 74 degrees





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



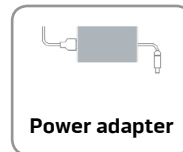
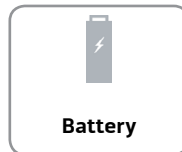
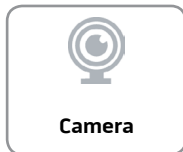
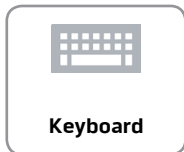
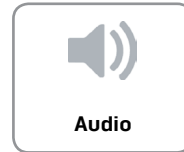
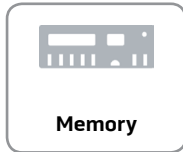
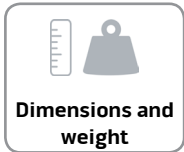
Computer environment



Specifications

Battery

| | |
|--|---|
| Type | <ul style="list-style-type: none">4-cell lithium polymer 51 WHr4-cell lithium polymer 62 WHr |
| 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 |

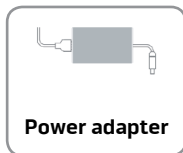
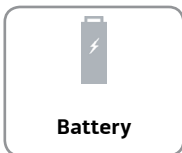
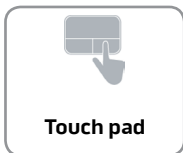
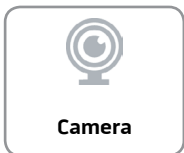
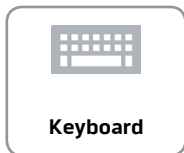
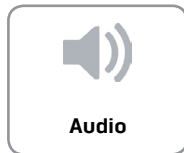
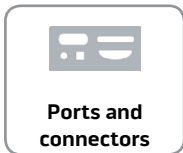




Specifications

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 | |
| | Operating | Storage |
| 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 [†] | 160 G [‡] |
| 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.

