Alienware 15

Views

Specifications

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

ALIENWARE™
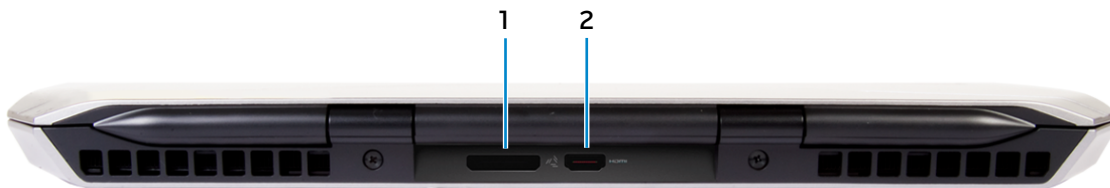
Views

Back

Left

Right

Base

Display

Back

| 1 | 2 |

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

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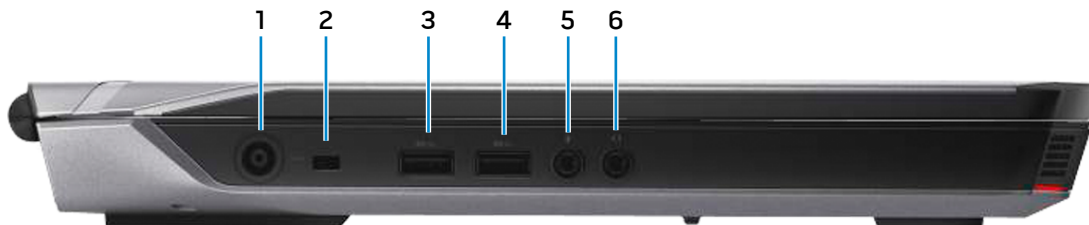Connect a TV or another HDMI-in enabled device. Provides video and audio output.

Views

Back

Left

Right

Base

Display

Left

1 2 3 4 5 6

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 your computer is powered off or in hibernate state, you must connect the power adapter to charge your devices using the PowerShare port. You must enable this feature in BIOS setup program.

> 🖉 **NOTE:** Certain USB devices may not charge when the computer is powered off or in sleep state. In such cases, turn on the computer to charge the device.

4   USB 3.0 port

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

5   Microphone/Headphone port

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

6   Headset port

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

Views

Back

Left

Right

Base

Display

Right

1   2   3   4
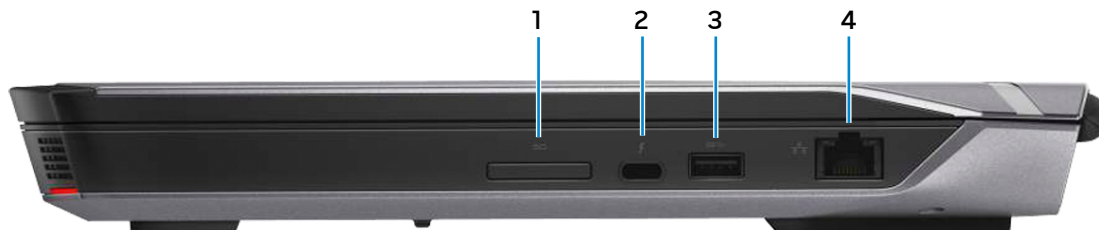
1   Media-card reader

Reads from and writes to media cards.

2   Thunderbolt 3 (USB Type-C) port

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.

3   USB 3.0 port

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

4   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.

Views

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Base

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 button

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 button

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.

Solid white light indicates the computer in on and breathing white light indicates the computer is in sleep state. The light is off when the computer is in hibernate state or turned off.

📝 **NOTE:** You can customize the power-button behaviour in Power Options. For more information, see *Me and My Dell* at **www.dell.com/support/manuals.**

Views

Back
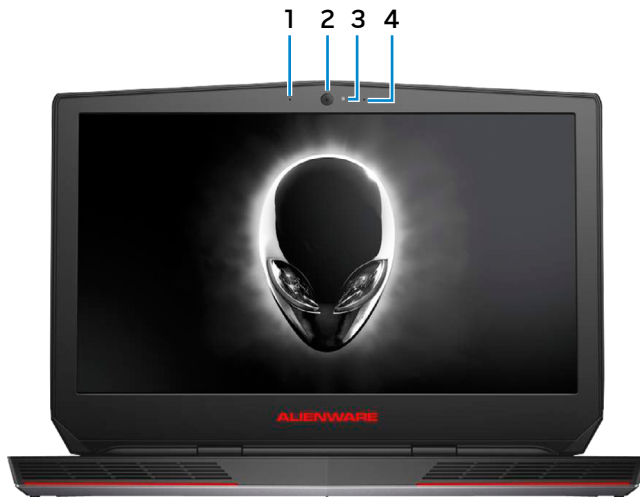
Left

Right

Base

Display

Display

1   2   3   4

1 **Left microphone**

Provides 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 sound input for audio recording, voice calls, and so on.

Specifications

Dimensions and weight

Height	34 mm (1.34 in)
Width	385.80 mm (15.19 in)
Depth	270.20 mm (10.64 in)
Weight (maximum)	3.21 kg (7.08 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

Media-card reader | Display | Keyboard | Camera | Touch pad | Battery | Power adapter | Computer environment

Specifications

System information

Computer model	Alienware 15 R2
Processor	• 6th Generation Intel Core i5
	• 6th Generation Intel Core i7
Chipset	Intel HM170 Series Chipset

Dimensions and weight	**System information**	**Memory**	**Ports and connectors**	**Communications**	**Video**	**Audio**	**Storage**
Media-card reader	**Display**	**Keyboard**	**Camera**	**Touch pad**	**Battery**	**Power adapter**	**Computer environment**

Memory

Slot	Two SODIMM slots
Type	DDR4
Speed	2133 MHz
Configurations supported	8 GB, 12 GB, and 16 GB

Dimensions and weight

System information

Memory

Ports and connectors

Communications

Video
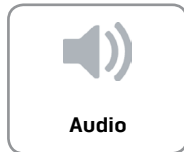
Audio

Storage

Media-card reader

Display

Keyboard

Camera
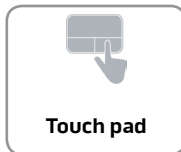
Touch pad
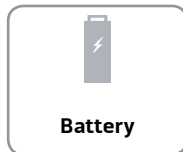
Battery
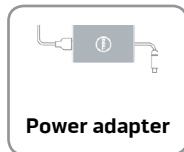
Power adapter

Computer environment

Specifications

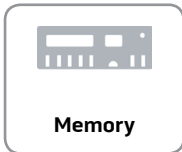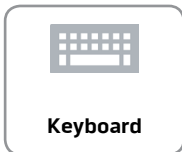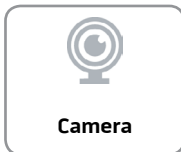## Ports and connectors

External:	
Network	One RJ45 port
USB	• One USB 3.0 port with PowerShare • Two USB 3.0 ports • One Thunderbolt 3 (USB Type-C) port
Audio/video	• One HDMI port • One headset (headphone and microphone combo) port • One microphone/headphone port • One External Graphics Port
Internal:	
M.2 card	One M.2-card slot for Wi-Fi, Bluetooth, and Intel WiDi (optional)

Dimensions and weight	**System information**	**Memory**	**Ports and connectors**	**Communications**	**Video**	**Audio**	**Storage**
Media-card reader	**Display**	**Keyboard**	**Camera**	**Touch pad**	**Battery**	**Power adapter**	**Computer environment**
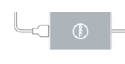
Specifications

Communications

Ethernet	10/100/1000 Mbps Ethernet controller integrated on system board
Wireless	▪ Wi-Fi 802.11ac
	▪ Bluetooth 4.1
	▪ Intel WiDi (optional)
	▪ Miracast (Windows 8.1 and Windows 10)

Dimensions and weight

System information

Memory

Ports and connectors

Communications

Video

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Touch pad

Battery

Power adapter

Computer environment

Specifications

Video

	Controller	Memory
Integrated	Intel HD Graphics 530	Shared system memory
Discrete	• NVIDIA GeForce GTX 965M • NVIDIA GeForce GTX 970M • NVIDIA GeForce GTX 980M • AMD Radeon R9 M395X	• 2 GB GDDR5 • 3 GB GDDR5 • 4 GB GDDR5 • 4 GB GDDR5

Dimensions and weight

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Audio

Controller	Creative Sound Core3D-EX with Creative Sound Blaster X-Fi MB3
Speaker	Two Klipsch powered stereo speaker system
Speaker output:	
Average	1.5 W
Peak	2 W
Microphone	Digital array microphones
Volume controls	Media-control shortcut keys

Dimensions and weight   **System information**   **Memory**   **Ports and connectors**   **Communications**   **Video**   **Audio**   **Storage**

Media-card reader   **Display**   **Keyboard**   **Camera**   **Touch pad**   **Battery**   **Power adapter**   **Computer environment**

Specifications

Storage

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

Dimensions and weight

System information

Memory

Ports and connectors

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Media-card reader

Type	One 3-in-1 slot
Cards supported	▪ SD ▪ SD High-Capacity (SDHC) ▪ SD Extended-Capacity (SDXC)

Dimensions and weight

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Display

	Full HD	Ultra HD
Type	15.6-inch	15.6-inch
Resolution (maximum)	1920 x 1080	3840 x 2160
Dimensions:		
Height	224.30 mm (8.83 in)	219.31 mm (8.63 in)
Width	360 mm (14.17 in)	358.62 mm (14.12 in)
Diagonal	396.24 mm (15.60 in)	396.24 mm (15.60 in)
Pixel pitch	0.179 x 0.179 mm	0.090 x 0.090 mm
Refresh rate	60 Hz	
Operating angle	0 degree (closed) to 140 degrees	
Controls	Brightness can be controlled using shortcut keys	

Dimensions and weight	System information	Memory	Ports and connectors	Communications	Video	Audio	Storage

Media-card reader	Display	Keyboard	Camera	Touch pad	Battery	Power adapter	Computer environment

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.

Dimensions and weight	**System information**	**Memory**	**Ports and connectors**	**Communications**	**Video**	**Audio**	**Storage**
Media-card reader	**Display**	**Keyboard**	**Camera**	**Touch pad**	**Battery**	**Power adapter**	**Computer environment**

Shortcut keys

FN + **F1**	Allows to disconnect Alienware Graphics Amplifier	
FN + **F2**	Disable/Enable wireless	
FN + **F3** MUTE	Mute audio	
FN + **F4**	Decrease volume	
FN + **F5**	Increase volume	
FN + **F8**	Switch to external display	
FN + **F9**	Decrease brightness	
FN + **F10**	Increase brightness	
FN + **F11** T-PAD	Disable/Enable touch pad	
FN + **F12** ALIEN FX	Disable/Enable AlienFX	

Macro keys

NOTE: You can configure modes and assign multiple tasks for the macro keys.

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

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Ports and connectors

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Touch pad

Resolution:	
Horizontal	1727 dpi
Vertical	1092 dpi
Dimensions:	
Height	56 mm (2.20 in)
Width	100 mm (3.94 in)

Dimensions and weight

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Computer environment

Specifications

Battery

Type	8-cell Lithium-ion 92 WHr
Dimensions:	
Height	19.85 mm (0.78 in)
Width	333.85 mm (13.14 in)
Depth	79.10 mm (3.11 in)
Weight (maximum)	0.497 kg (1.10 lb)
Voltage	14.8 VDC
Charging time when the computer is off (approximate)	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

Dimensions and weight	**System information**	**Memory**	**Ports and connectors**	**Communications**	**Video**	**Audio**	**Storage**
Media-card reader	**Display**	**Keyboard**	**Camera**	**Touch pad**	**Battery**	**Power adapter**	**Computer environment**

Specifications

Power adapter

Type	• 180 W
	• 240 W
Input voltage	100 VAC–240 VAC
Input frequency	50 Hz–60 Hz
Input current	• 2.34 A
	• 2.50 A
	• 3.50 A
Output current	• 9.23 A
	• 12.30 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)

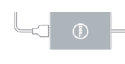|							
Dimensions and weight	**System information**	**Memory**	**Ports and connectors**	**Communications**	**Video**	**Audio**	**Storage**
Media-card reader	**Display**	**Keyboard**	**Camera**	**Touch pad**	**Battery**	**Power adapter**	**Computer environment**

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.

Dimensions and weight

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