Alienware 13

Views

Specifications

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

ALIENWARE™

Views

Back

Back

Left

Right

Base

Display

1   2   3

1   **External graphics port**

Connect an Alienware Graphics Amplifier.

2   **Mini DisplayPort**

Connect an external display or a projector.

3   **HDMI port**

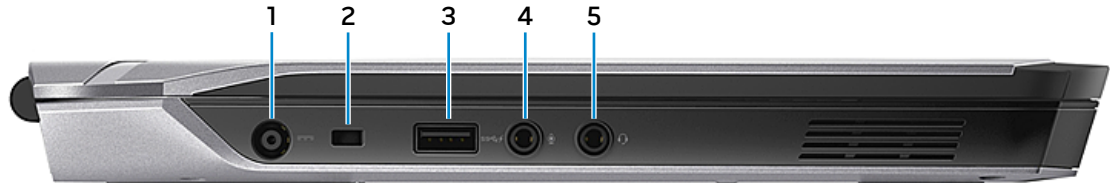Connect a TV or another HDMI-in enabled device. Provides video and audio output.

Views

Back

Left

Right

Base

Display

Left

1   2   3   4   5

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).

Views

Right

Back

Left

Right

Base

Display

1   2

1   **USB 3.0 ports (2)**

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

2   **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.

Back

Left

Right

Base

Display

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 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.

Views

Back

Left

Right

Base

Display

Display
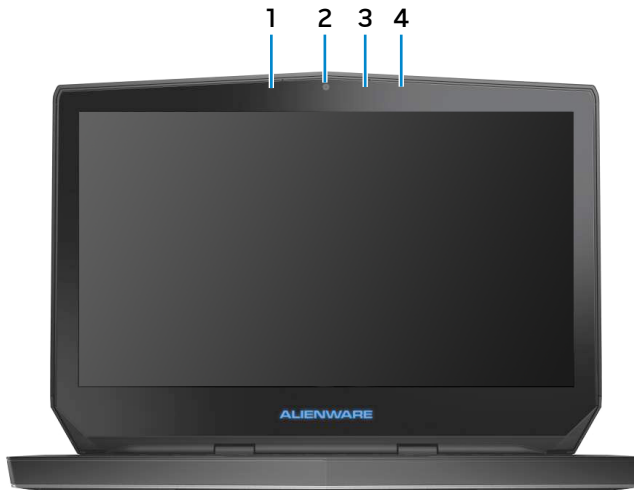
1   **Left digital-array microphone**

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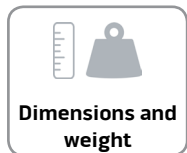
Provides high-quality digital sound input for audio recording, voice calls, and so on.

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)	25.34 mm to 27.90 mm (1 in to 1.10 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.

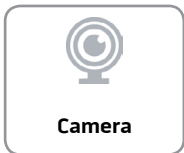| Dimensions and weight	System information	Memory	Ports and connectors	Communications	Video	Audio	Storage
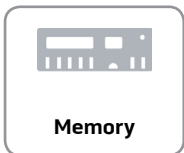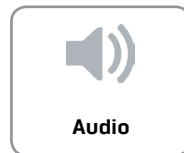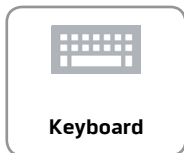
Display	Keyboard	Camera	Touchpad	Battery	Power adapter	Computer environment
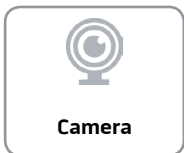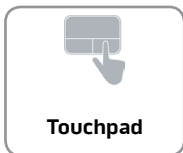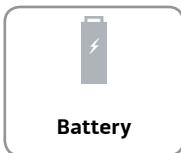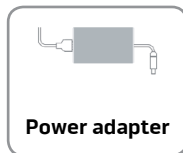
System information

Computer model	Alienware 13
Processor	▪ 4th generation Intel Core i5 ▪ 5th generation Intel Core i5 ▪ 5th generation Intel Core i7
L3 cache	3 MB/4 MB
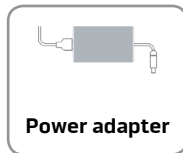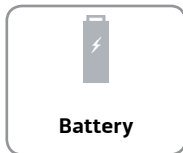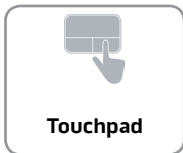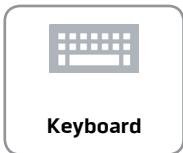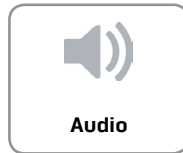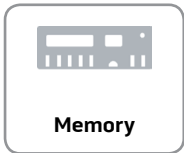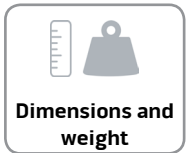
Specifications

Memory

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

Dimensions and weight

System information

Memory

Ports and connectors

Communications

Video

Audio

Storage

Display

Keyboard

Camera

Touchpad

Battery

Power adapter

Computer environment
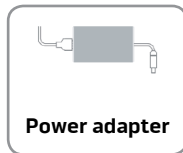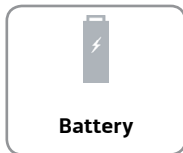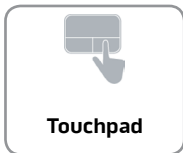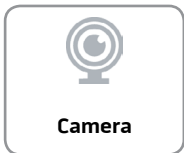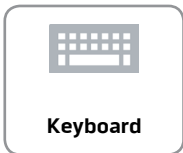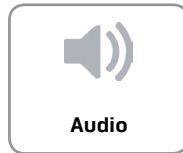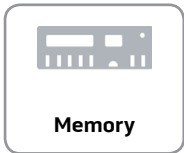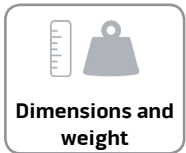
Specifications

Ports and connectors

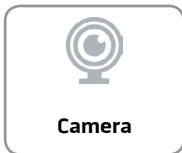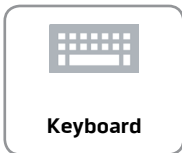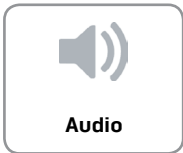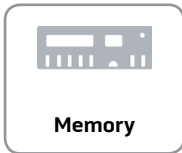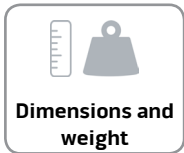| External:	
Network	One RJ45 port
USB	▪ One USB 3.0 port with Powershare ▪ Two USB 3.0 ports
Audio/video	▪ One HDMI port ▪ One headphone and microphone combo (headset) port ▪ One microphone/headphone retaskable port ▪ One external graphics port ▪ One mini DisplayPort
Internal:	
Mini card	One half mini-card slot for Wi-Fi, Bluetooth combo, and Wireless Display (optional)

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

Display	Keyboard	Camera	Touchpad	Battery	Power adapter	Computer environment
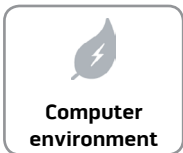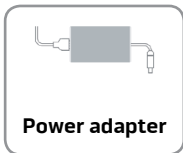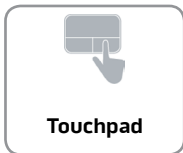
Communications

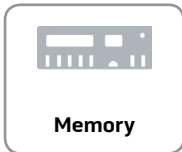| Ethernet	10/100/1000 Mbps Ethernet controller integrated on system board
Wireless	• Wi-Fi 802.11ac • Bluetooth 4.0 • Wireless display (WiDi) • Miracast (Windows 8.1)
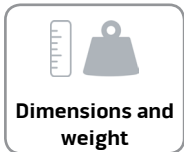
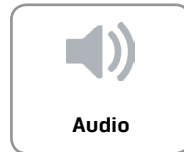**Dimensions and weight** | **System information** | **Memory** | **Ports and connectors** | **Communications** | **Video** | **Audio** | **Storage**
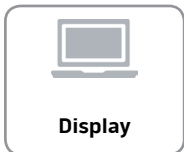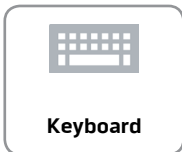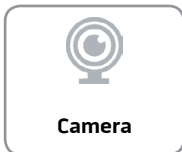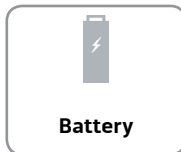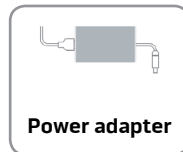
Display | **Keyboard** | **Camera** | **Touchpad** | **Battery** | **Power adapter** | **Computer environment**

Specifications

Video

Controller	▪ Intel HD Graphics 4400
	▪ Intel HD Graphics 5500
Memory	Shared system memory
Discrete:	
Controller	▪ NVIDIA GeForce GTX 860M
	▪ NVIDIA GeForce GTX 960M
Memory	2 GB GDDR5

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

Display **Keyboard** **Camera** **Touchpad** **Battery** **Power adapter** **Computer environment**
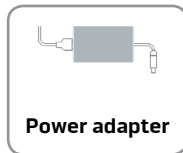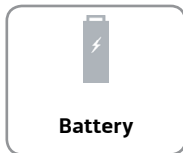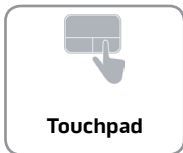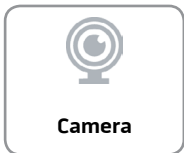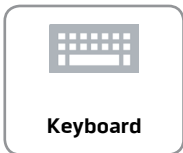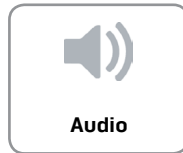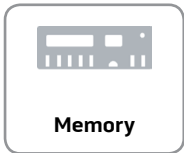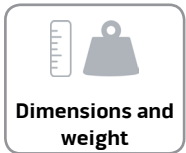
Specifications

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

Dimensions and weight

System information

Memory

Ports and connectors

Communications

Video

Audio

Storage

Display

Keyboard

Camera

Touchpad

Battery

Power adapter

Computer environment
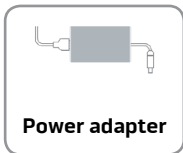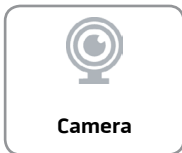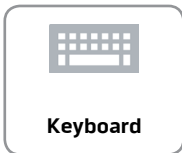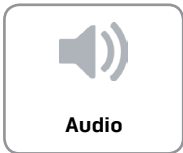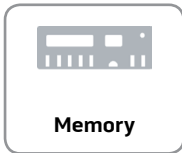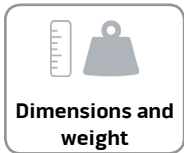
Storage

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

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

Dimensions and weight	**System information**	**Memory**	**Ports and connectors**	**Communications**	**Video**	**Audio**	**Storage**
Display	**Keyboard**	**Camera**	**Touchpad**	**Battery**	**Power adapter**	**Computer environment**	
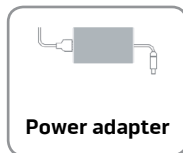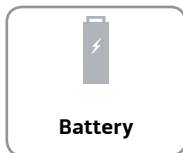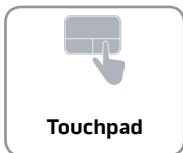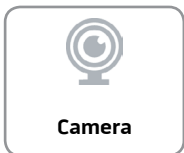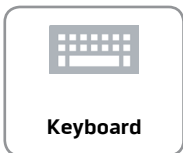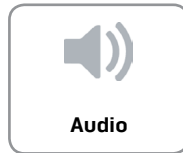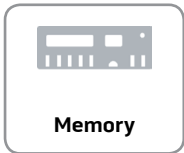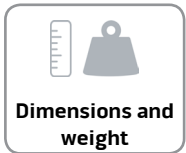
Specifications

Display

Type			
	• 13.3-inch HD			
	• 13.3-inch Full HD			
	• 13.3-inch QHD			
	• 13.3-inch QHD+			

	Non touch (HD)	**Non touch (Full HD)**	**Touch (QHD/QHD+)**
Resolution (maximum)	1366 x 768	1920 x 1080	• 2560 x 1440 (QHD)
			• 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.		

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

Display | **Keyboard** | **Camera** | **Touchpad** | **Battery** | **Power adapter** | **Computer environment**
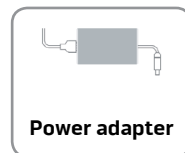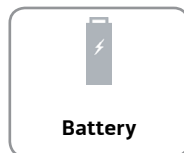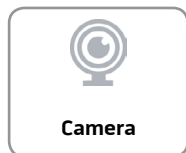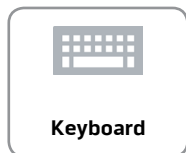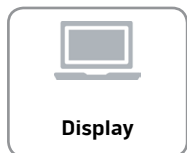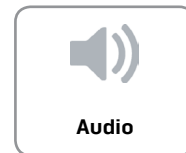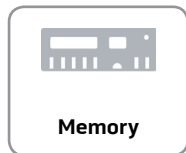
Specifications

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.

Dimensions and weight

System information

Memory

Ports and connectors

Communications

Video

Audio

Storage

Display

Keyboard

Camera

Touchpad

Battery

Power adapter

Computer environment

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

Touchpad

Battery
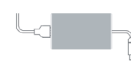
Power adapter

Computer environment

Specifications

Touchpad

Resolution:	
Horizontal	2417 dpi
Vertical	2189 dpi
Dimensions:	
Width	107 mm (4.21 in)
Height	67 mm (2.63 in)

Specifications

Battery

Type	4 cell Lithium Polymer 51 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

Dimensions and weight	**System information**	**Memory**	**Ports and connectors**	**Communications**	**Video**	**Audio**	**Storage**
Display	**Keyboard**	**Camera**	**Touchpad**	**Battery**	**Power adapter**	**Computer environment**	
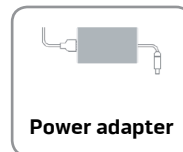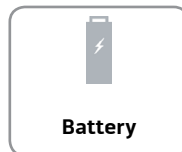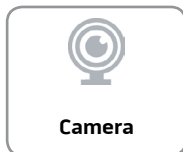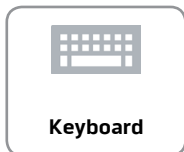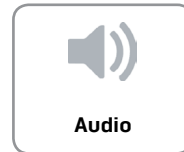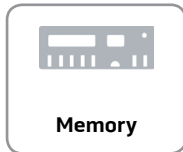
Power adapter

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)

Dimensions and weight

System information

Memory

Ports and connectors

Communications

Video

Audio

Storage

Display

Keyboard

Camera

Touchpad

Battery

Power adapter

Computer environment
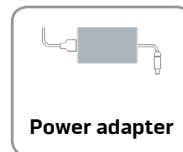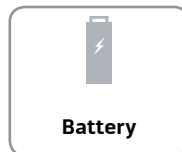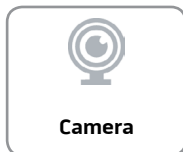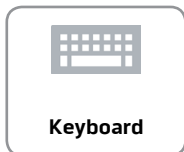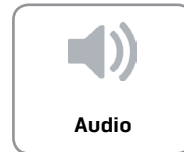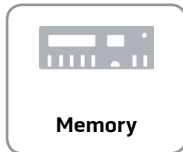
Specifications

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

Display	**Keyboard**	**Camera**	**Touchpad**	**Battery**	**Power adapter**	**Computer environment**