Alienware 17

Views

Specifications

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

ALIENWARE™

Views

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.
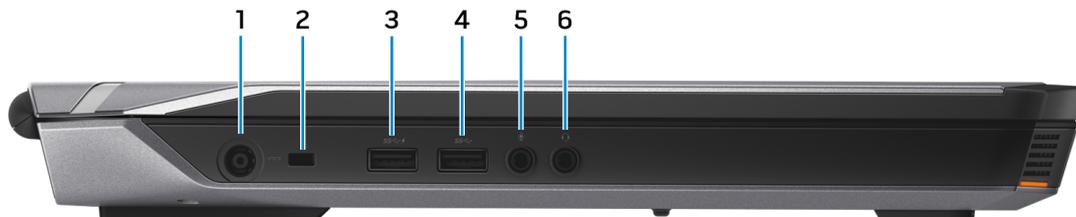
Views

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 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   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 to provide sound output.

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.

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.

Views

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 **Num-lock status light**

Turns on when num-lock is turned on.

5 **Left-click button**.

Press to left-click.

6 **Touch pad**

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

7 **Right-click button**

Press to right-click.

8 **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 2 3 4

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**

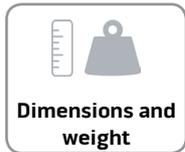Provides high-quality digital sound input for audio recording, voice calls, and so on.

Dimensions and weight

Width	430 mm (16.93 in)
Depth	291.90 mm (11.49 in)
Height	34.40 mm (1.35 in)
Weight (maximum)	3.78 kg (8.33 lb)
	NOTE: The weight of your laptop varies depending on the configuration ordered and the manufacturing variability.
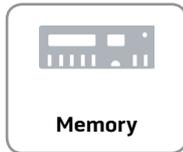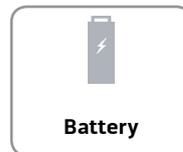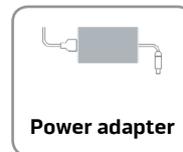
|							
Dimensions and weight	System information	Memory	Ports and connectors	Communications	Video	Audio	Storage
Media-card reader	Display	Keyboard	Camera	Touch pad	Battery	Power adapter	Computer environment

Specifications

System information

Computer model	Alienware 17 R3
Processor	6th Generation Intel Core i7
L3 cache	up to 8 MB

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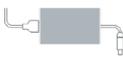
Power adapter

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 retaskable port • One external graphics port
Internal:	
M.2 card	One M.2 slot for Wi-Fi and Bluetooth combo and Wireless Display (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
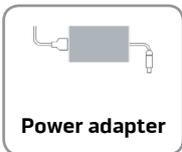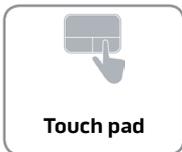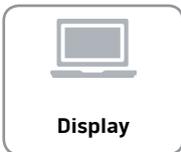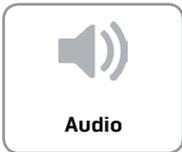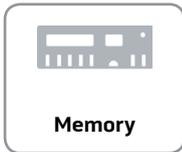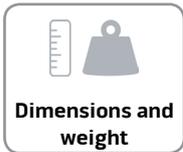
Communications

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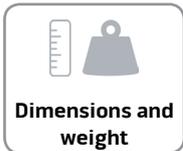
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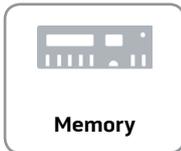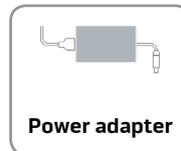
Video

Controller	Intel HD Graphics 530
Memory	Shared system memory
Discrete:	
Controller	▪ NVIDIA GeForce GTX 970M
	▪ NVIDIA GeForce GTX 980M
Memory	up to 4 GB GDDR5

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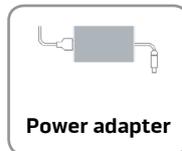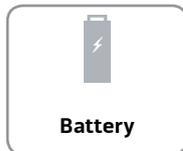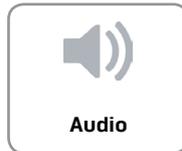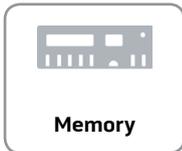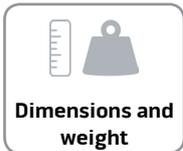
Audio

Controller	Creative Sound Core 3D with SBX Pro Studio
Speakers	Two
Speaker output:	
Average	2 W
Peak	3 W
Subwoofer	One
Subwoofer output:	
Average	2 W
Peak	2.5 W
Microphone	Digital array-microphones
Volume controls	Media-control shortcut keys
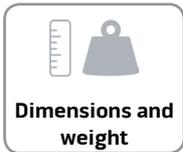
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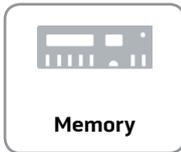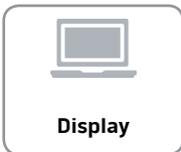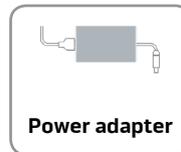
Storage

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**	**Communications**	**Video**	**Audio**	**Storage**
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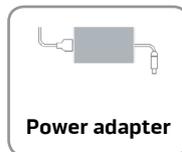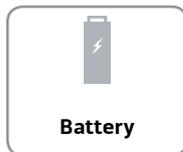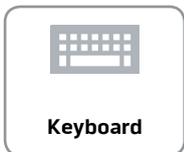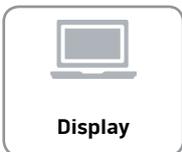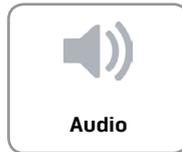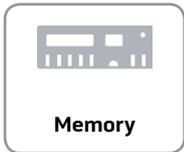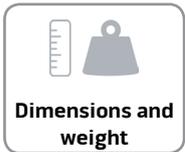
Media-card reader

Type	One 3-in-1 slot
Cards supported	• SD card • SD High-Capacity (SDHC) card • SD Extended Capacity (SDXC) card
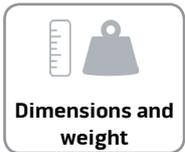
Dimensions and weight	System information	Memory	Ports and connectors	Communications	Video	Audio	Storage

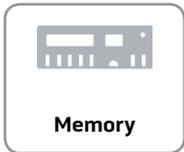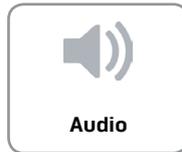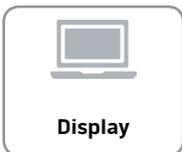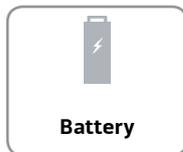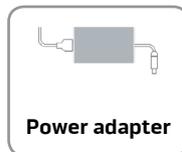| Media-card reader	Display	Keyboard	Camera	Touch pad	Battery	Power adapter	Computer environment

Specifications

Display

Type	• 17.3-inch Full HD • 17.3-inch UHD	
Resolution (maximum)	**Full HD**	**UHD**
	1920 x 1080	3840 x 2160
Pixel pitch	0.1989 mm x 0.1989 mm	0.0995 mm x 0.0995 mm
Dimensions:		
Height	245.50 mm (9.67 in)	
Width	400 mm (15.75 in)	
Diagonal	439.42 mm (17.30 in)	
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**
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**
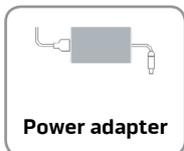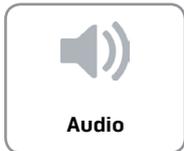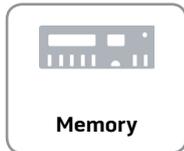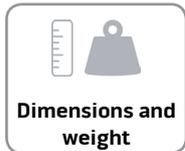
Shortcut keys

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 touchpad	
FN + F12 ALIEN FX	Disable/Enable AlienFX	

Macro keys

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

Specifications

Camera

Resolution:	
Still image	2.07 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

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Media-card reader

Display

Keyboard

Camera

Touch pad

Battery

Power adapter

Computer environment

Touch pad

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

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

Battery

Type	8 cell lithium-ion 92 WHr
Dimensions:	
Width	383.20 mm (15.09 in)
Depth	79.05 mm (3.11 in)
Height	19.80 mm (0.78 in)
Weight (maximum)	0.516 kg (1.14 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

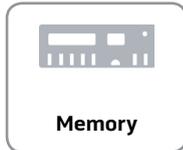|							
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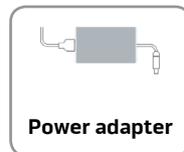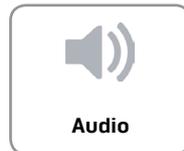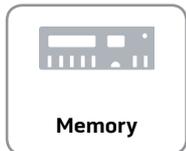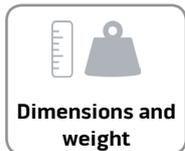
Specifications

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

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Media-card reader

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Power adapter

Computer environment
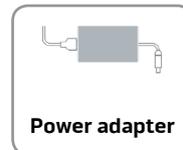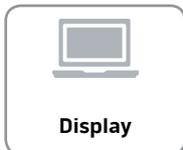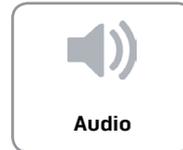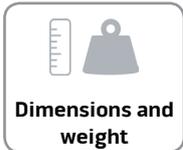
Specifications

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.

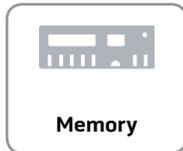† Measured using a 2 ms half-sine pulse when the hard drive is in use.

‡ Measured using a 2 ms half-sine pulse when the hard-drive head is in parked position.
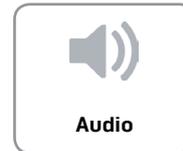
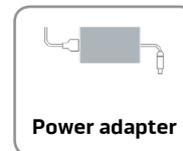| Dimensions and weight	System information	Memory	Ports and connectors	Communications	Video	Audio	Storage

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