Alienware 17



Views

Specifications

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

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2014 - 11 Rev. A00

Regulatory model: P43F | Type: P43F001 Computer model: Alienware 17 R2







Back

Back



Left



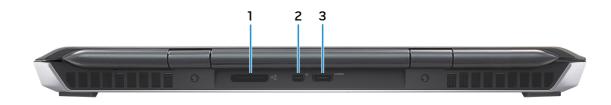
Right



Base



Display



External graphics port

Connect an Alienware Graphics Amplifier.

2 Mini DisplayPort

Connect an external display or a projector.

HDMI port

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



Left

Back



Left



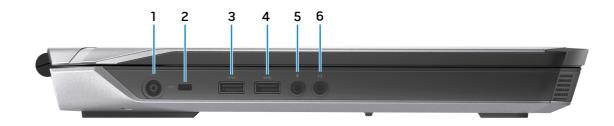
Right



Base



Display



Power-adapter port

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

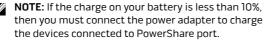
Security-cable slot

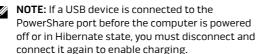
Connect a security cable to prevent unauthorized movement of your computer.

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.





USB 3.0 port

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

Microphone/Headphone port

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

Headset port

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



Right

Back



Left



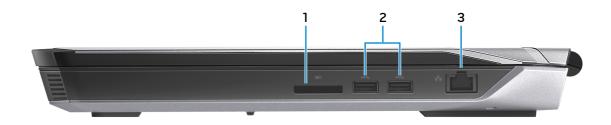
Right



Base



Display



Media-card reader

Reads from and writes to media cards.

2 USB 3.0 ports (2)

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

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

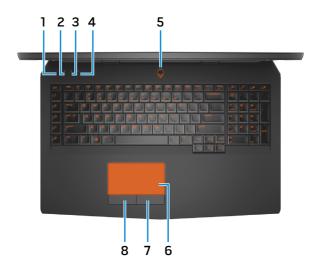


Base



Display

Base



Hard-drive activity light

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

Wireless-status light

Turns on when wireless is turned on.

Caps-lock status light

Turns on when caps-lock is turned on.

Num-lock status light

Turns on when num-lock is turned on.

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.

Touch pad

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

Right-click button

Press to right-click.

Left-click button.

Press to left-click.



Display

Back



Left



Right



Base



Display



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.

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.



Dimensions and Weight

Width 430 mm (16.93 in)

Depth 292 mm (11.50 in)

Height 34.40 mm (1.35 in)

Weight (maximum):

Non Touch 3.68 kg (8.11 lb)

Touch 3.88 kg (8.56 lb)

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

the manufacturing variability.



Dimensions and Weight



Information



Memory



Ports and Connectors



Communications



Video



Audio



Storage



Media-Card Reader



Display

Keyboard







Touchpad









System Information

Computer model Alienware 17 R2

Processor 4th Generation Intel Core i7

L3 cache up to 6 MB







Ports and Connectors











Audio





















Memory

Two SODIMM slots Slot

Type DDR3L

Speed 1600 MHz

Configurations supported 8 GB, 12 GB, and 16 GB



















Audio





















Ports and Connectors

External:	
Network	One RJ45 port
USB	One USB 3.0 port with PowerShareThree 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:	

internai:

M.2 card

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

















Memory Information





Touchpad







Media-Card Reader









Communications

Ethernet

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

Wireless

- Wi-Fi 802.11a/b/g/n/ac
- Bluetooth 4.0
- Wireless display (WiDi)
- Miracast (Windows 8.1)

















Memory

Ports and Connectors









Media-Card Reader













Video

Controller • Intel HD Graphics 4600

• Intel Iris Pro Graphics 5200

Memory Shared system memory

Discrete:

Controller NVIDIA GeForce GTX 970M

NVIDIA GeForce GTX 980M

Memory up to 4 GB GDDR5







Information



Memory



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Touchpad









Audio

Creative Sound Core 3D with SBX Pro Studio Controller

Speakers Two

Speaker output:

1.5 W Average

Peak 2 W

Subwoofer One

Subwoofer output:

2 W Average 2.5 W Peak

Digital array-microphones Microphone

Volume controls Media-control shortcut keys



Dimensions and Weight



Information



Memory



Ports and Connectors



Communications



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Audio



Storage



Media-Card Reader



Display



Camera





Touchpad











Storage

Interface SATA 6 Gbps

One 2.5-inch drive Hard drive

Solid-state drive Four M.2 drives







Information



Memory



Ports and Connectors



Communications



Video



Audio



Storage



Media-Card Reader



Display



Keyboard



Camera



Touchpad









Media-Card Reader

One 3-in-1 slot Type Cards supported SD card

- SD High-Capacity (SDHC) card
- SD Extended Capacity (SDXC) card









Ports and Connectors













Keyboard













Display

Type • 17.3-inch Full HD

• 17.3-inch Full HD with Touch

0.252 mm x 0.252 mm

Resolution (maximum) 1920 x 1080

Dimensions:

Pixel pitch

Height 245.50 mm (9.67 in)

Width 400 mm (15.75 in)

Diagonal 439.42 mm (17.3 in)

Refresh rate 60 Hz

Operating angle O 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 Ke



Camera



Touchpad









Keyboard

Backlit keyboard Type 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

For more information, see "Shortcut Keys".

Function Key Behavior in BIOS setup program.

















Memory

Connectors









Media-Card Reader





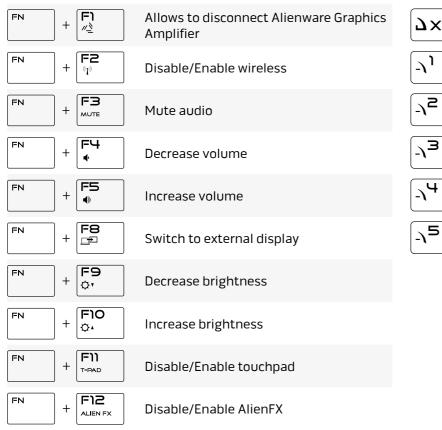




Battery

Power Adapter

Shortcut Keys



7x

<u>_/5</u>

Macro keys

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



Camera

Resolution:

Still image 2.07 megapixel

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

Diagonal viewing angle 74 degrees







Memory



Communications Connectors



Video



Audio



Storage







Keyboard















Touchpad

Resolution:

Horizontal 1727 dpi Vertical 1092 dpi

Dimensions:

Width 100 mm (3.94 in)

Height 56 mm (2.20 in)



Weight















Audio



Reader

















Battery

Type 8 cell Lithium-ion 92 WHr

Dimensions:

Width 383.20 mm (15.09 in)

79.05 mm (3.11 in) Depth

Height 19.80 mm (0.78 in) Weight (maximum) 0.516 kg (1.14 lb)

14.8 VDC Voltage

Charging time when the Within 4 hours

computer is off (approximate)

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)

-40°C to 65°C (-40°F to 149°F) Storage

CR-2032 Coin-cell battery



Dimensions and Weight



System Information



Memory



Ports and Connectors



Communications



Video



Audio



Storage



Media-Card Reader



Display



Keyboard



Camera



Touchpad





Power Adapter



Computer Environment



Power Adapter

180 W Type

100 VAC-240 VAC Input voltage

Input frequency 50 Hz-60 Hz

2.34 A/2.50 A Input current

Output current 9.23 A

19.50 VDC Rated output voltage

Temperature range:

0°C to 40°C (32°F to 104°F) Operating

Storage -40°C to 70°C (-40°F to 158°F)



Dimensions and Weight



Information



Memory



Ports and Connectors



Communications



Video



Audio



Storage



Media-Card Reader



Display



Keyboard Camera















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.



Weight



Information



Memory



Ports and Connectors



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Storage





Display



Camera













[†] 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.