Alienware 17



Views



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

Copyright © **2014 Dell Inc. All rights reserved.** This product is protected by U.S. and international copyright and intellectual property laws. Dell and the Dell logo are trademarks of Dell Inc. in the United States and/or other jurisdictions. All other marks and names mentioned herein may be trademarks of their respective companies.

2014 - 11 Rev. A00 Regulatory model: P43F | Type: P43F001 Computer model: Alienware 17 R2







Right



Base

1



Display

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.



Left

Back



Left





Right



Base



Display

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 headphone and microphone combo (headset).





Right



Base



Display

Media-card reader

Reads from and writes to media cards.

2 USB 3.0 ports (2)

1

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



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 Num-lock status light Turns on when num-lock is turned on.

5 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.

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 Left-click button.

Press to left-click.







Left



Right



Base



Display



Left digital-array microphone

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

2 Camera

1

Display

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.



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.





System Information

Computer model	Alienware 17 R2
Processor	4 th Generation Intel Core i7
L3 cache	up to 6 MB





Memory

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



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



Communications

Ethernet

Wireless

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

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





Video

Controller	Intel HD Graphics 4600Intel Iris Pro Graphics 5200
Memory	Shared system memory
Discrete:	
Controller	 NVIDIA GeForce GTX 970M NVIDIA GeForce GTX 980M
Memory	up to 4 GB GDDR5





Audio

Controller	Creative Sound Core 3D with SBX Pro Studio
Speakers	Two
Speaker output:	
Average	1.5 W
Peak	2 W
Subwoofer	One
Subwoofer output:	
Average	2 W
Peak	2.5 W
Microphone	Digital array-microphones
Volume controls	Media-control shortcut keys





Storage

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



Media-Card Reader

Туре

Cards supported

One 3-in-1 slot

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





Display

Туре	17.3-inch Full HD17.3-inch Full HD with Touch
Resolution (maximum)	1920 x 1080
Dimensions:	
Height	245.50 mm (9.67 in)
Width	400 mm (15.75 in)
Diagonal	439.42 mm (17.3 in)
Pixel pitch	0.252 mm x 0.252 mm
Refresh rate	60 Hz
Operating angle	O degrees (closed) to 140 degrees
Controls	Brightness can be controlled using shortcut keys.





Keyboard

Туре	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.

For more information, see "Shortcut Keys".





Shortcut Keys



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





Touchpad

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





Battery

_	
Туре	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





Power Adapter

Туре	180 W
Input voltage	100 VAC-240 VAC
Input frequency	50 Hz–60 Hz
Input current	2.34 A/2.50 A
Output current	9.23 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)



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.

