

Alienware 15



Views

Specifications

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

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2014 - 12 Rev. A00

Regulatory model: P42F | Type: P42F001

Computer model: Alienware 15

ALIENWARE 



Back



Left



Right

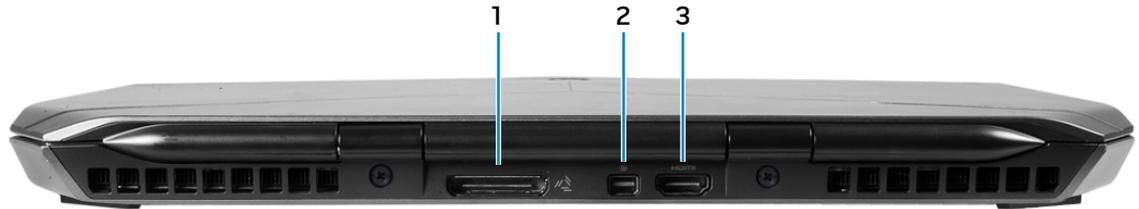


Base



Display

Back



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.



Back



Left



Right

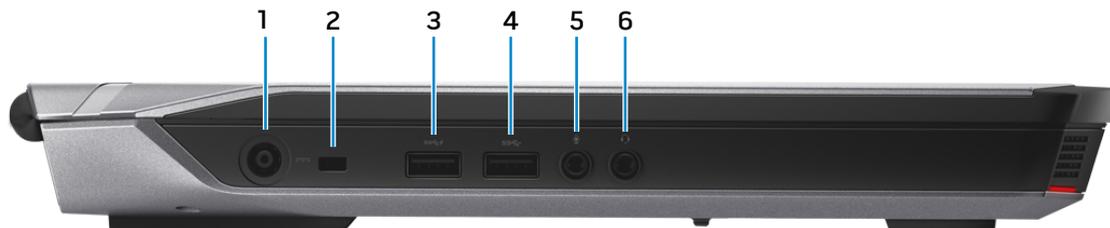


Base



Display

Left



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 turned 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 the BIOS setup program.

 **NOTE:** Certain USB devices may not charge when the computer is turned 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 connect a headphone or speakers.

6 Headset port

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



Back



Left



Right

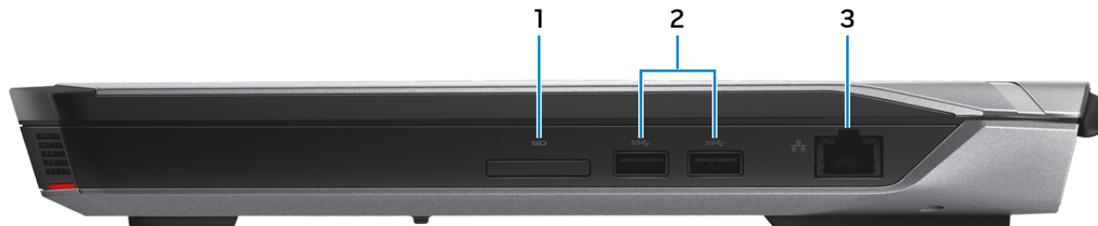


Base



Display

Right



1 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. Provide 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

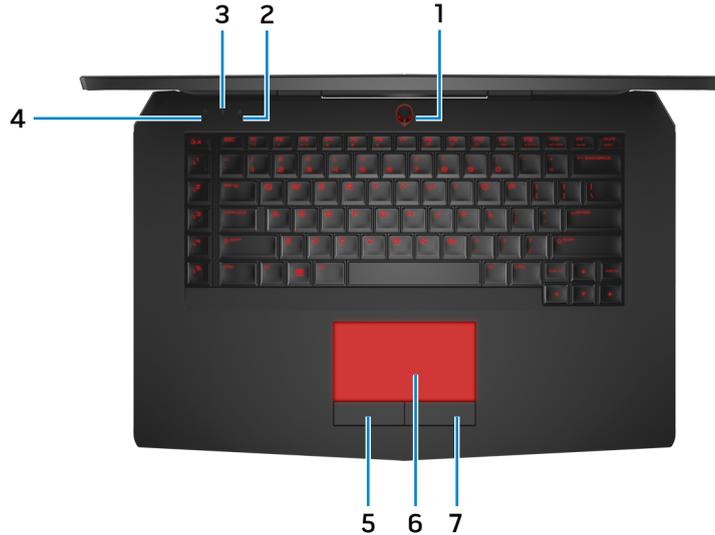


Base



Display

Base



1 Power button with 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 dell.com/support/manuals.

2 Caps-lock status light

Turns on when caps-lock is turned on.

3 Wireless-status light

Turns on when wireless is turned on.

4 Hard-drive activity light

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

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.



Back



Left



Right

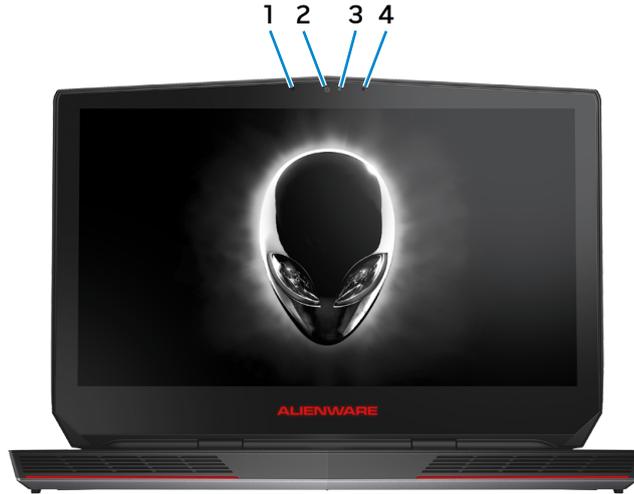


Base



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

Height	34 mm (1.33 in)
Width	386 mm (15.19 in)
Depth	270 mm (10.62 in)

Weight (maximum):

Full HD (non-touch screen)	3.22 kg (7.10 lb)
Ultra HD (touch screen)	3.39 kg (7.48 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



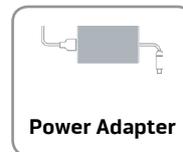
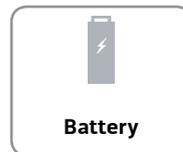
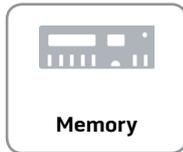
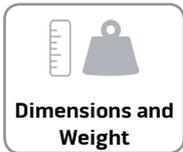
Computer Environment



Specifications

System Information

Computer model	Alienware 15
Processor	<ul style="list-style-type: none">• 4th Generation Intel Core i5• 4th Generation Intel Core i7





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



Media-Card Reader



Display



Keyboard



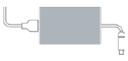
Camera



Touch Pad



Battery



Power Adapter



Computer Environment



Specifications

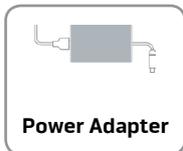
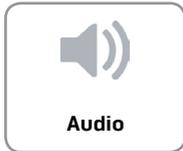
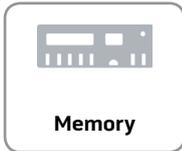
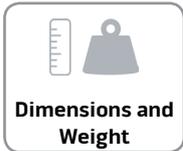
Ports and Connectors

External:

- | | |
|-------------|---|
| Network | One RJ45 port |
| USB | <ul style="list-style-type: none">• One USB 3.0 port with PowerShare• Three USB 3.0 ports |
| Audio/video | <ul style="list-style-type: none">• One HDMI port• One headphone and microphone combo (headset) port• One microphone/headphone port• One External Graphics Port• One Mini DisplayPort |

Internal:

- | | |
|----------|---|
| M.2 card | One M.2-card slot for Wi-Fi, Bluetooth, and Intel WiDi (optional) |
|----------|---|





Specifications

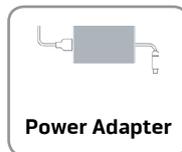
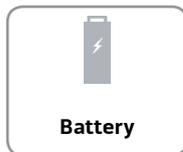
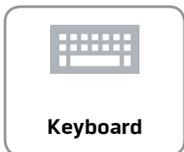
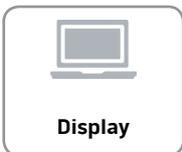
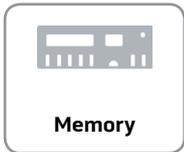
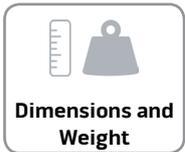
Communications

Ethernet

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

Wireless

- Wi-Fi 802.11ac
- Bluetooth 4.0
- Intel WiDi (optional)
- Miracast (Windows 8.1)

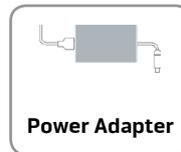
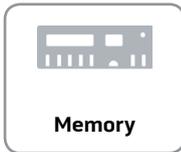
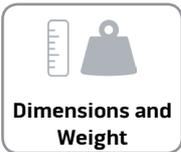




Specifications

Video

	Controller	Memory
Integrated	Intel HD Graphics 4600	Shared system memory
Discrete	<ul style="list-style-type: none">• NVIDIA GeForce GTX 965M• NVIDIA GeForce GTX 970M• NVIDIA GeForce GTX 980M• AMD Radeon R9 M295X	<ul style="list-style-type: none">• 2 GB GDDR5• 3 GB GDDR5• 4 GB GDDR5• 4 GB GDDR5

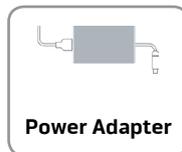
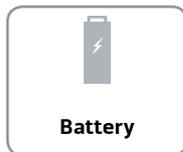
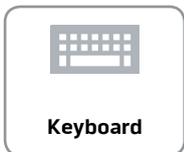
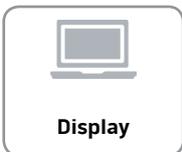
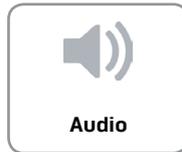
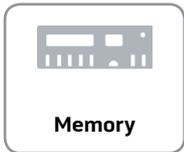
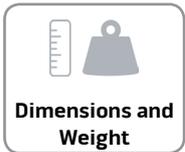




Specifications

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

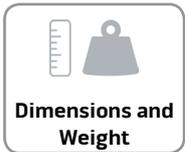




Specifications

Storage

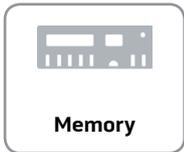
Interface	SATA 6 Gbps
Drives supported	One hard drive and two M.2 Solid State Drives (SSD)
Hard drive	One 2.5-inch drive
SSD	Two M.2 drives



Dimensions and Weight



System Information



Memory



Ports and Connectors



Communications



Video



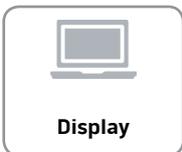
Audio



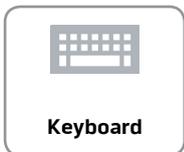
Storage



Media-Card Reader



Display



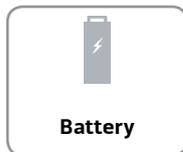
Keyboard



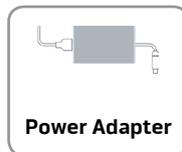
Camera



Touch Pad



Battery



Power Adapter



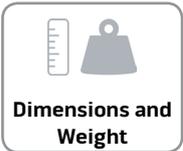
Computer Environment



Specifications

Media-Card Reader

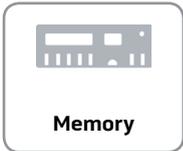
Type	One 3-in-1 slot
Cards supported	<ul style="list-style-type: none">• SD card• SD High-Capacity (SDHC) card• SD Extended-Capacity (SDXC) card



Dimensions and Weight



System Information



Memory



Ports and Connectors



Communications



Video



Audio



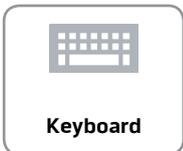
Storage



Media-Card Reader



Display



Keyboard



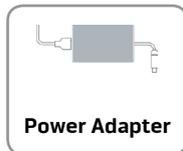
Camera



Touch Pad



Battery



Power Adapter



Computer Environment



Specifications

Display

	Non-touch screen	Touch screen
Type	15.6-inch Full HD	15.6-inch Ultra HD
Resolution (maximum)	1920 x 1080	3840 x 2160
Dimensions:		
Height	193.59 mm (7.62 in)	194.40 mm (7.65 in)
Width	344.16 mm (13.55 in)	345.60 mm (13.61 in)
Diagonal	396.24 mm (15.6 in)	396.24 mm (15.6 in)
Pixel pitch	0.179 x 0.179 mm	0.089 x 0.089 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



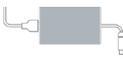
Camera



Touch Pad



Battery



Power Adapter



Computer Environment



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.

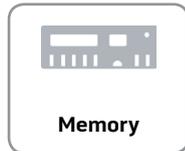
[List of shortcut keys.](#)



Dimensions and Weight



System Information



Memory



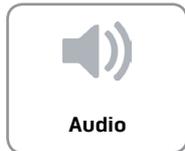
Ports and Connectors



Communications



Video



Audio



Storage



Media-Card Reader



Display



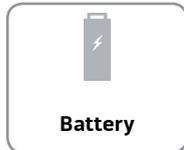
Keyboard



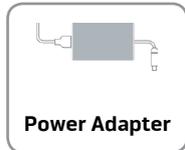
Camera



Touch Pad



Battery



Power Adapter



Computer Environment



Shortcut Keys

FN	+	F1	Allows to disconnect Alienware Graphics Amplifier	↵ X
FN	+	F2	Disable/Enable wireless	↵ 1
FN	+	F3 MUTE	Mute audio	↵ 2
FN	+	F4	Decrease volume	↵ 3
FN	+	F5	Increase volume	↵ 4
FN	+	F8	Switch to external display	↵ 5
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 on the keyboard.



Specifications

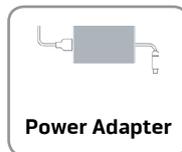
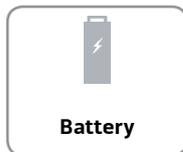
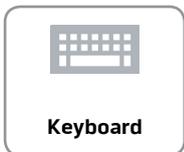
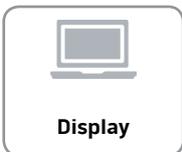
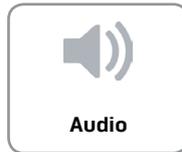
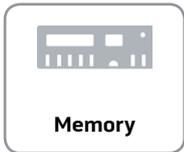
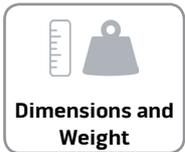
Camera

Resolution:

Still image 2.1 megapixel

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

Diagonal viewing angle 74 degrees





Specifications

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



System Information



Memory



Ports and Connectors



Communications



Video



Audio



Storage



Media-Card Reader



Display



Keyboard



Camera



Touch Pad



Battery



Power Adapter



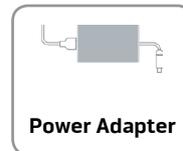
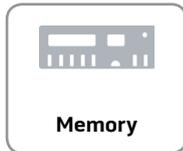
Computer Environment



Specifications

Battery

Type	8 cell Lithium-ion 92 WHr
Dimensions:	
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





Specifications

Power Adapter

Type	180 W
Input voltage	100 VAC–240 VAC
Input frequency	50 Hz–60 Hz
Input current	<ul style="list-style-type: none">• 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)



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.

