Specifications

Dimensions and weight

Height	25.40 mm (1 in)
Width	389 mm (15.31 in)
Depth	305 mm (12 in)
Weight	3.49 kg (7.69 lb)

> **NOTE:** The weight of your computer varies depending on the configuration ordered and the manufacturing variability.

System information

Computer model	Alienware 15 R3
Processor	• 6th generation Intel Core i5 • 6th generation Intel Core i7/i7k

> **NOTE:** If your computer is shipped with an Intel Core i7k processor, you can overclock the processing speed beyond the standard specifications.

Chipset	Intel CM236 chipset

Memory

Slots	Two SODIMM slots
Type	DDR4
Speed	2133 MHz, 2400 MHz, and 2667 MHz (8 GB x 2)
Configurations supported	8 GB, 16 GB, and 32 GB

Ports and connectors

Network	One RJ-45 port
USB	- One USB 3.0 port - One USB 3.0 port with PowerShare - One USB 3.0 (Type-C) port - Thunderbolt 3 (USB Type-C) port
Audio/Video	- One HDMI port - One microphone/headphone port (configurable) - One headset port - One Mini DisplayPort - One external graphics port

Communications

Ethernet	10/100/1000 Mbps Ethernet controller integrated on system board
Wireless	- Wi-Fi 802.11ac - Bluetooth 4.1 - Miracast

Audio

Controller	Realtek ALC 3266
Speakers	Stereo
Speaker output	- Average: 4 W - Peak: 5 W
Microphone	Digital-array microphones
Volume controls	Media-control shortcut keys

Storage

Interface	• SATA 6 Gbps • PCIe up to 32 Gbps
Hard drive	One 2.5-inch drive
Solid-state drive (SSD)	• Two full-size M.2 PCIe/SATA drives • One half-size M.2 PCIe/SATA drive

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 function keys (F1–F12) by changing **Function Key Behavior** in BIOS setup program. Keyboard shortcuts

Camera

Resolution	1280 x 720 (HD)
Diagonal viewing angle	75 degrees

Touch pad

Resolution	• Horizontal: 1727

- Vertical: 1092

Dimensions
- Height: 56 mm (2.20 in)
- Width: 100 mm (3.94 in)

Battery

Type	4-cell "smart" lithium-ion (68 WHr)	6-cell "smart" lithium-ion (99 WHr)
Weight (maximum)	0.32 kg (0.71 lb)	0.42 kg (0.93 lb)
Voltage	15.20 VDC	11.40 VDC
Life span (approximate)	300 discharge/charge cycles	
Temperature range: Operating	0°C to 35°C (32°F to 95°F)	
Temperature range: Storage	−20°C to 60°C (−4°F to 140°F)	
Coin-cell battery	CR-2032	
Dimensions:		
Height	13.50 mm (0.53 in)	
Width	89.20 mm (3.51 in)	
Depth	259.60 mm (10.22 in)	
Operating time	Varies depending on operating conditions and can significantly reduce under certain power-intensive conditions.	

Video

	Integrated	Discrete
Controller	Intel HD Graphics 530	• AMD Radeon RX 470 • NVIDIA GeForce GTX 1060

	Integrated	Discrete
		• NVIDIA GeForce GTX 1070
Memory	Shared system memory	• 6 GB GDDR5
		• 8 GB GDDR5

Power adapter

	Integrated	Discrete
Type	180 W	240 W
Input current (maximum)	2.34 A/ 2.50 A	3.50 A
Output current (continuous)	9.23 A	12.30 A
Input voltage	100 VAC–240 VAC	
Input frequency	50 Hz–60 Hz	
Rated output voltage	19.50 VDC	
Temperature range: Operating	0°C to 40°C (32°F to 104°F)	
Temperature range: Storage	−40°C to 70°C (−40°F to 158°F)	

Display

Type	15.6-inch FHD	15.6-inch UHD
Resolution (maximum)	1920 x 1080	3840 x 2160
Viewing angle	50/60/80 degrees	80 degrees
Pixel pitch	0.17925 mm	0.090 mm
Height (including bezel)	344.16 mm (13.54 in)	345.60 mm (13.60 in)
Width (including bezel)	193.59 mm (7.62 in)	194.40 mm (7.65 in)
Diagonal	15.60 mm (0.61 in)	15.60 mm (0.61 in)

(excluding bezel)

Refresh rate	60 Hz/120 Hz	60 Hz
Controls	Brightness can be controlled using shortcut keys	

Computer environment

Airborne contaminant level: G2 or lower as defined by ISA-S71.04-1985

	Operating	Storage
Temperature range	5°C to 35°C (41°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)	0.26 GRMS	1.37 GRMS
Shock (maximum)[*]	40 G for 2 ms with a change in velocity of 20 in/s (51 cm/s)[†]	105 G for 2 ms with a change in velocity of 52.5 in/s (133 cm/s)[‡]
Altitude (maximum)	−15.20 m to 3048 m (−50 ft to 10,000 ft)	−15.20 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.