Computer model

XPS 15-9570

System information

Table 2. System information

Processor	8th Generation Intel Core i5/i7/i9
Chipset	CM246

Dimensions and weight

Table 3. Dimensions and weight

Height	17 mm (0.66 in)
Width	357 mm (14.06 in)
Depth	235 mm (9.27 in)
Weight	Starting at 1.8 kg (4 lbs)

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

Operating system

- Windows 10 Home (64-bit)
- Windows 10 Professional (64-bit)

Memory

Table 4. Memory specifications

Slots		Two SODIMM slots
Type		Dual-channel DDR4
Speed		2666 MHz
Configurations supported		
	Per memory module slot	4 GB, 8 GB, and 16 GB
	Total memory	4 GB, 8 GB, 16 GB, and 32 GB

Ports and connectors

Table 5. Ports and connectors

External:	
USB	• Two USB 3.1 Gen 1 ports with PowerShare • One Thunderbolt 3 (USB 3.1 Gen 2 Type-C) port with Power delivery
Audio/Video	• One HDMI 2.0 port • One headset (headphone and microphone combo) port

Table 6. Ports and connectors

Internal:	
M.2 card	• One M.2 slot for solid-state drive (SATA or PCIe/NVMe) • One M.2 slot for WiFi and Bluetooth combo card

Communications

Table 7. Supported communications

Wireless	• Wi-Fi 802.11a/b/g/n/ac • Bluetooth 4.2

Wireless

Table 8. Wireless

Transfer rate (maximum)	867 Mbps
Frequency bands	2.4 GHz/5 GHz
Encryption	• 64-bit/128-bit WEP • AES-CCMP • TKIP

Audio

Table 9. Audio specifications

Controller	ALC3266-CG with Waves MaxxAudio Pro
Speakers	Two
Speaker output	• Average: 2 W

- Peak: 2.5 W

Microphone   Dual-array microphones

Storage

Type	Interface	Capacity
One 2.5-inch Hard Disk Drive (HDD)	SATA Gen 3, up to 6 Gbps	Up to 2 TB
One M.2 2280 Solid-State Drive (SSD)	• SATA Gen 3, up to 6 Gbps • PCIe Gen 3x4 NVMe, up to 32 Gbps	• Up to 128 GB • Up to 2 TB

Media-card reader

Type	One SD-card slot
Cards supported	• SD card • SD High Capacity (SDHC) • SD Extended Capacity (SDXC)

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: Press Fn+Esc to switch the primary behavior of the function keys (F1–F12) between two modes – multimedia key mode and function key mode.

ⓘ 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	
Camera	• Still image: 0.92 megapixel (HD)

- Video: 1280 x 720 (HD) at 30 fps

Diagonal viewing angle	
Camera	75 degrees

Touchpad

Resolution:		
	Horizontal	1219
	Vertical	919
Dimensions:		
	Width	105 mm (4.13 in)
	Height	80 mm (3.15 in)

Touchpad gestures

For more information about touchpad gestures for Windows 10, see the Microsoft knowledge base article 4027871 at support.microsoft.com.

Power adapter

Type	130 W
Dimensions (connector)	4.50 mm
Input voltage	100 VAC–240 VAC
Input frequency	50 Hz–60 Hz
Input current (maximum)	1.80 A
Output current (continuous)	6.67 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)

Battery

Type	3-cell lithium ion (56 WHr)	6-cell lithium ion (97 WHr)
Dimensions:		
Width	71.80 mm (2.83 in)	71.80 mm (2.83 in)

Depth	223.20 mm (8.79 in)	330.50 mm (13.01 in)
Height	7.20 mm (0.28 in)	7.20 mm (0.28 in)
Weight (maximum)	0.24 kg (0.54 lb)	0.34 kg (0.76 lb)
Voltage	11.40 VDC	11.40 VDC
Charging time when the computer is off (approximate)	4 hours	4 hours
Operating time	Varies depending on operating conditions and can significantly reduce under certain power-intensive conditions.	Varies depending on operating conditions and can significantly reduce under certain power-intensive conditions.
Life span (approximate)	300 discharge/charge cycles	300 discharge/charge cycles
Temperature range:		
Operating	0°C to 35°C (32°F to 95°F)	0°C to 35°C (32°F to 95°F)
Storage	−40°C to 65°C (−40°F to 149°F)	−40°C to 65°C (−40°F to 149°F)
Coin-cell battery	ML1220	ML1220

ⓘ NOTE: It is recommended that you use a Dell coin-cell battery for your computer. Dell does not provide warranty coverage for problems caused by using accessories, parts, or components not supplied by Dell.

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Display

Table 17. Display specifications

Type	15.6-inch FHD non-touchscreen	15.6-inch UHD touchscreen
Resolution (maximum)	1920 x 1080	3840 x 2160
Pixel pitch	0.179 mm	0.089 mm
Panel technology	In-Plane Switching (IPS)	In-Plane Switching (IPS)
Viewing angle (Left/Right/Down/Up)	80/80/80/80 degrees	80/80/80/80 degrees
Refresh rate	60 Hz	60 Hz
Operating angle	0 degrees (closed) to 135 degrees	0 degrees (closed) to 135 degrees
Controls	Brightness can be controlled using shortcut keys	Brightness can be controlled using shortcut keys
Dimensions:		
Height (excluding bezel)	193.59 mm (7.62 in)	193.62 mm (7.62 in)
Width (excluding bezel)	344.16 mm (13.54 in)	344.21 mm (13.55 in)
Diagonal (excluding bezel)	394.90 mm (15.6 in)	394.90 mm (15.6 in)

Fingerprint reader

Table 18. Fingerprint reader

Sensor technology	Touch
Sensor resolution	108 pixels x 88 pixels

Sensor area	5.5 mm x 4.5 mm

Video

Table 19. Video specifications

Type	Integrated	Discrete
Controller	Intel UHD Graphics 630	• NVIDIA GeForce GTX 1050 • NVIDIA GeForce GTX 1050 Ti
Memory	Shared system memory	4 GB

Computer environment

Airborne contaminant level: G1 as defined by ISA-S71.04-1985

Table 20. Computer environment

	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.