

Specifications

System information

Table 2. System information

Processor	8 th generation Intel Core i5/i7
Chipset	Integrated in the processor

Computer model

Table 3. Computer model

Computer model	Inspiron 15-7570
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Dimensions and weight

Table 4. Dimensions and weight

	Non-touchscreen	Touchscreen
Weight (maximum)	2.16 kg (4.76 lb)	2.31 kg (5.09 lb)
Weight (minimum)	1.995 kg (4.40 lb)	2.15 kg (4.74 lb)
Height	18.81 mm (0.74 in)	<ul style="list-style-type: none">FHD: 18.81 mm (0.74 in)UHD: 18.91 mm (0.74 in)
Width	361.36 mm (14.23 in)	
Depth	244.50 mm (9.63 in)	

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

Operating system

Table 5. Operating system

Operating systems supported	<ul style="list-style-type: none">UbuntuWindows 10 Home 64-bitWindows 10 Professional 64-bit
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Memory

Table 6. Memory specifications

Slots	Two SODIMM slots
Type	DDR4
Speed	2400 MHz

Configurations supported	
Per slot	4 GB, 8 GB, and 16 GB
Total memory	4 GB, 8 GB, 12 GB, 16 GB, and 32 GB
	<div> <i>i</i> NOTE: Your computer is shipped with maximum 16 GB memory. Order additional memory separately to increase the total memory to 32 GB. </div>

Ports and connectors

Table 7. Ports and connectors

External:	
Network	One RJ-45 port
USB	<ul style="list-style-type: none"> Two USB 3.1 Gen 1 port One USB 3.1 Gen 1 port with PowerShare One USB 3.1 Gen 1 (Type-C) port/DisplayPort
Audio/Video	<ul style="list-style-type: none"> One HDMI port One headset (headphone and microphone combo) port

Table 8. Ports and connectors

Internal:	
M.2 Card	<ul style="list-style-type: none"> One M.2 slot for SSD One M.2 slot for WiFi/Bluetooth

Communications

Table 9. Supported Communications

Ethernet	100/1000 Mbps Ethernet controller integrated on system board
Wireless	<ul style="list-style-type: none"> WiFi 802.11a/b/g/n/ac Bluetooth 4.2 <div> <i>i</i> NOTE: Windows 10 currently supports up to Bluetooth 4.1. </div>

Wireless

Table 10. Wireless

Transfer rate	Up to 867 Mbps
Frequency Bands	2.4 GHz/5 GHz
Encryption	<ul style="list-style-type: none"> 64-bit/128-bit WEP AES-CCMP TKIP

Intel Optane memory

Intel Optane memory functions as a storage accelerator. It accelerates the system and any type of SATA-based storage media such as hard drives and solid-state drives (SSDs).

NOTE: Intel Optane memory is only supported on 8th generation and later Intel Core i3/i5/i7 processor platforms with Windows 10 64-bit and above installed.

Table 11. Intel Optane memory

Interface	PCIex2
Connector	M.2
Configurations supported	16 GB and 32 GB

Audio

Table 12. Audio specifications

Controller	Realtek ALC3254-CG with Waves MaxxAudio Pro
Speakers	Two
Speaker output	2 W
Microphone	Digital-array microphones
Volume controls	Media-control shortcut keys

Storage

Table 13. Storage specifications

Interface	<ul style="list-style-type: none">SATA 6 GbpsPCIe up to 16 Gbps
Hard drive	One 2.5-inch drive NOTE: Hard drive is available only on computers shipped with 3-cell battery.
Solid-state drive (SSD)	One M.2 2280 drive
Capacity	
Hard drive	Up to 2 TB
SSD	<ul style="list-style-type: none">Up to 512 GB SATA driveUp to 512 GB PCIex4 driveUp to 32 GB Intel Optane Memory

Media-card reader

Table 14. Media-card reader specifications

Type	One SD-card slot
Card supported	SD card

Keyboard

Table 15. Keyboard specifications

Type	Backlit keyboard
Shortcut keys	<div>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.</div> <div><div><div></div></div><div>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.</div></div>
	Keyboard shortcuts

Camera

Table 16. Camera specifications

Resolution	<div>Camera</div> <div><div><div></div></div><div><ul style="list-style-type: none">Still image: 0.92 megapixelVideo: 1280 x 720 (HD) at 30 fps</div></div>
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Touchpad

Table 17. Touchpad

Resolution	<div><div><div></div></div><div><ul style="list-style-type: none">Horizontal: 1228Vertical: 928</div></div>
Dimensions	<div><div><div></div></div><div><ul style="list-style-type: none">Height: 80 mm (3.15 in)Width: 105 mm (4.14 in)</div></div>

Power adapter

Table 18. Power adapter specifications

Type	45W	65W
Input current (maximum)	1.30 A	1.50 A
Output current (continuous)	2.31 A	3.34 A
Input voltage	100 VAC–240 VAC	

Type	45W	65W
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)	

Battery

NOTE: Hard drive is available only on computers shipped with 3-cell battery.

Table 19. Battery specifications

Type	3-cell “smart” lithium-ion (42 WHr)	4-cell “smart” lithium-ion (56 WHr)
Dimension:		
Width	97.15 mm (3.82 in)	98.20 mm (3.87 in)
Depth	184.15 mm (7.25 in)	233.37 mm (9.19 in)
Height	5.90 mm (0.23 in)	5.90 mm (0.23 in)
Weight (maximum)	0.2 kg (0.44 lb)	0.25 kg (0.55 lb)
Voltage	11.40 VDC	15.20 VDC
Charging time (approximate)	4 hours (when the computer is off)	
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	<ul style="list-style-type: none"> 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	

Display

Table 20. Display specifications

Type	15.6-inch FHD touchscreen 15.6-inch FHD non-touchscreen	15.6-inch UHD touchscreen
Resolution (maximum)	1920 X 1080	3840 x 2160
Viewing angle (Left/Right/Up/Down)	80/80/80/80	80/80/80/80
Pixel pitch	0.17925 mm x 0.17925 mm	0.09 mm x 0.09 mm
Height (excluding bezel)	193.59 mm (7.62 in)	194.40 mm (7.65 in)
Width (excluding bezel)	344.16 mm (13.55 in)	345.60 mm (13.60 in)
Diagonal (excluding bezel)	396.24 mm (15.6 in)	396.24 mm (15.6 in)
Refresh rate	60 Hz	
Operating angle	0 degrees (closed) to 180 degrees	
Controls	Brightness can be controlled using shortcut keys	

Video

Table 21. Video specifications

	Integrated	Discrete
Controller	Intel UHD Graphics 620	NVIDIA GeForce 940MX
Memory	Shared system memory	Up to 4 GB GDDR5

Computer environment

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

Table 22. 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.

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