

Inspiron 15 7000

Setup and Specifications

Computer Model: Inspiron 15-7570
Regulatory Model: P70F
Regulatory Type: P70F001



Notes, cautions, and warnings



NOTE: A NOTE indicates important information that helps you make better use of your product.



CAUTION: A CAUTION indicates either potential damage to hardware or loss of data and tells you how to avoid the problem.



WARNING: A WARNING indicates a potential for property damage, personal injury, or death.

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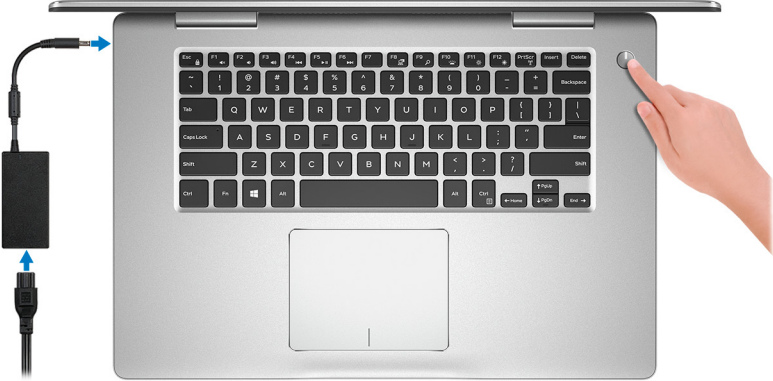
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Set up your computer

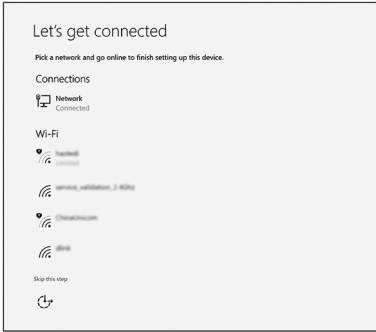
- 1 Connect the power adapter and press the power button.



2 Finish operating system setup.

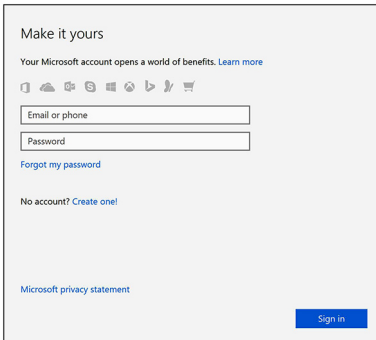
For Windows:

a) Connect to a network.



NOTE: If you are connecting to a secured wireless network, enter the password for the wireless network access when prompted.

b) Sign in to your Microsoft account or create a new account.



For Ubuntu:

Follow the instructions on the screen to finish setup.

3 Locate Dell apps in Windows.

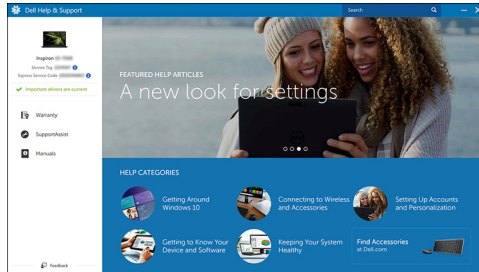
Table 1. Locate Dell apps



Register your computer



Dell Help & Support



SupportAssist—Check and update your computer

4 Create recovery drive for Windows. It is recommended to create a recovery drive to troubleshoot and fix problems that may occur with Windows.

For more information, see [Create a USB recovery drive for Windows](#).



Create a USB recovery drive for Windows

Dell recommends that you create a recovery drive to troubleshoot and fix problems that may occur with Windows. An empty USB flash drive with a minimum capacity of 16 GB is required to create the recovery drive.



NOTE: The following steps may vary depending on the version of Windows installed. Refer to the [Microsoft support site](#) for latest instructions.

- 1 Connect the USB flash drive to your computer.
- 2 In Windows search, type *Recovery*.
- 3 In the search results, click **Create a recovery drive**.
The **User Account Control** window is displayed.
- 4 Click **Yes** to continue.
The **Recovery Drive** window is displayed.
- 5 Select **Back up system files to the recovery drive** and click **Next**.
- 6 Select the **USB flash drive** and click **Next**.
A message appears, indicating that all data in the USB flash drive will be deleted.
- 7 Click **Create**.



NOTE: This process may take several minutes to complete.

- 8 Click **Finish**.

Reinstall Windows using a USB recovery drive



CAUTION: This process formats the hard drive and removes all data on your computer. Ensure that you back up data on your computer before beginning this task.



NOTE: Before reinstalling Windows, ensure your computer has more than 2 GB of memory and more than 32 GB of storage space.

- 1 Connect the USB recovery drive to your computer.
- 2 Restart your computer.

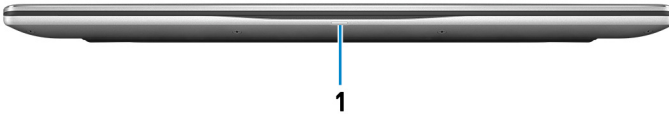
- 3 Press F12 after the Dell logo is displayed on the screen to access the boot menu. A **Preparing one-time boot menu** message appears.
- 4 After the boot menu loads, select the USB recovery device under **UEFI BOOT**. The system reboots and a screen to **Choose the keyboard layout** is displayed.
- 5 Choose your keyboard layout.
- 6 In the **Choose an option** screen, click **Troubleshoot**.
- 7 Click **Recover from a drive**.
- 8 Choose one of the following options:
 - **Just remove my files** to do a quick format.
 - **Fully clean the drive** to do a complete format.
- 9 Click **Recover** to start the recovery process.

This will take several minutes to complete and your computer will restart during this process.



Views

Front



1 **Power and battery-status light/hard-drive activity light**

Indicates the battery-charge status or the hard-drive activity.

 **NOTE:** Press **Fn+H** to toggle this light between power and battery-status light and hard-drive activity light.

Hard-drive activity light

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

Power and battery-status light

Indicates the power and battery-charge status.

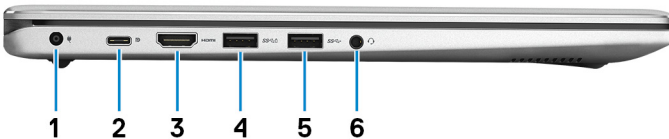
Solid white — Power adapter is connected and the battery has more than 5% charge.

Amber — Computer is running on battery and the battery has less than 5% charge.

Off

- Power adapter is connected and the battery is fully charged.
- Computer is running on battery and the battery has more than 5% charge.
- Computer is in sleep state, hibernation, or turned off.

Left



1 **Power-adaptor port**

Connect a power adaptor to provide power to your computer and charge the battery.

2 **USB 3.1 Gen 1 (Type-C) port/DisplayPort**

Connect peripherals such as external storage devices, printers, and external displays. Provides data transfer speeds up to 5 Gbps.



NOTE: An adapter is required to connect a DisplayPort device.

3 **HDMI port**

Connect a TV or another HDMI-in enabled device. Provides video and audio output.

4 **USB 3.1 Gen 1 port with PowerShare**

Connect peripherals such as storage devices and printers.

Provides data transfer speeds up to 5 Gbps. PowerShare enables 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.

5 **USB 3.1 Gen 1 port**

Connect peripherals such as storage devices and printers. Provides data transfer speeds up to 5 Gbps.

6 **Headset port**

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



Right



1 **Security-cable slot (for Noble locks)**

Connect a security cable to prevent unauthorized movement of your computer.

2 **Network port**

Connect an Ethernet (RJ45) cable from a router or a broadband modem for network or internet access.

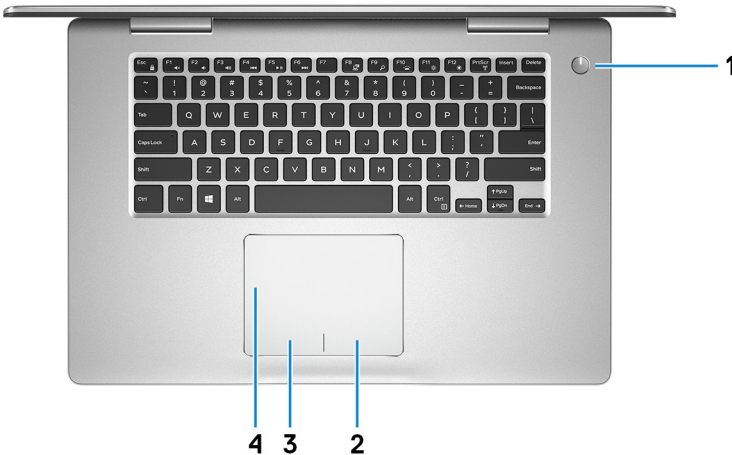
3 **USB 3.1 Gen 1 port**

Connect peripherals such as storage devices and printers. Provides data transfer speeds up to 5 Gbps.

4 **SD-card slot**

Reads from and writes to the SD card.

Base



1 **Power button**

Press to turn on the computer if it is turned off, in sleep state, or in hibernate 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.



NOTE: You can customize the power-button behavior in Power Options. For more information, see *Me and My Dell* at www.dell.com/support/manuals.

2 **Right-click area**

Press to right-click.

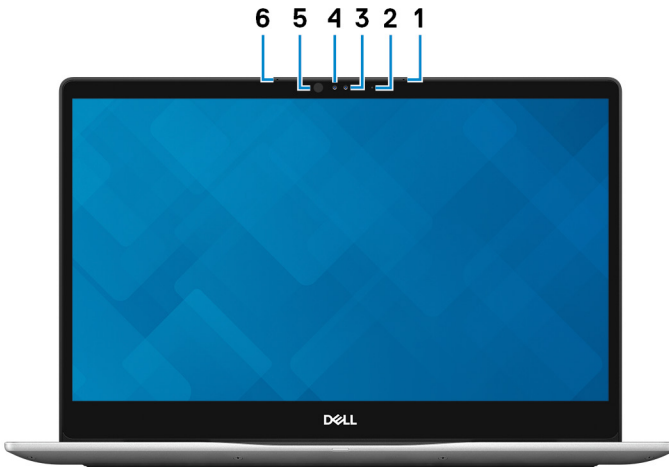
3 **Left-click area**

Press to left-click.

4 **Touchpad**

Move your finger on the touchpad to move the mouse pointer. Tap to left-click and two finger tap to right-click.

Display (touchscreen)



1 **Right microphone**

Provides digital sound input for audio recording and voice calls.



2 **Camera-status light**

Turns on when the camera is in use.

3 **Camera**

Enables you to video chat, capture photos, and record videos.

4 **Infrared camera**

Depth-sensing feature of the camera enhances security when paired with Windows Hello face authentication.

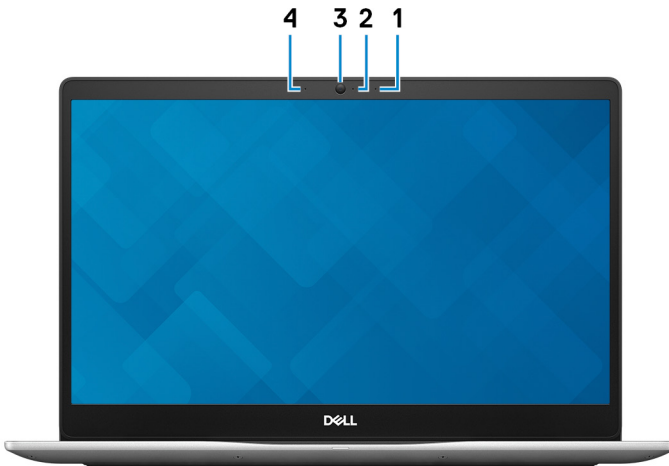
5 **Infrared emitter**

Emits infrared light, which enables the infrared camera to sense depth and track motion.

6 **Left microphone**

Provides digital sound input for audio recording and voice calls.

Display (non-touchscreen)



1 **Right microphone**

Provides digital sound input for audio recording and voice calls.

2 **Camera-status light**

Turns on when the camera is in use.

3 **Camera**

Enables you to video chat, capture photos, and record videos.

4 **Left microphone**

Provides digital sound input for audio recording and voice calls.

Bottom



1 **Left speaker**

Provides audio output.

2 **Service Tag label**

The Service Tag is a unique alphanumeric identifier that enables Dell service technicians to identify the hardware components in your computer and access warranty information.

3 **Right speaker**

Provides audio output.



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">• Ubuntu• Windows 10 Home 64-bit• Windows 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



NOTE: Your computer is shipped with maximum 16 GB memory. Order additional memory separately to increase the total memory to 32 GB.

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



External:

	<ul style="list-style-type: none">• 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
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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



NOTE: Windows 10 currently supports up to Bluetooth 4.1.

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	PCIe NVMe 3.0 x2
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 Gbps• PCIe up to 16 Gbps
Hard drive	One 2.5-inch drive
Solid-state drive (SSD)	One M.2 drive



Capacity

Hard drive

Up to 2 TB

SSD

- Up to 512 GB SATA drive
- Up to 512 GB PCIe4 drive
- Up 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

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.

[Keyboard shortcuts](#)

Camera

Table 16. Camera specifications

Resolution

Camera

- Still image: 0.92 megapixel
- Video: 1280 x 720 (HD) at 30 fps

Infrared camera (touchscreen)

640 x 480 (VGA)

Camera

- Non-touchscreen: 74.6 degrees
- Touchscreen: 88 degrees

Infrared camera (touchscreen)

82.9 degrees

Diagonal viewing angle

Touchpad

Table 17. Touchpad

Resolution

- Horizontal: 1228
- Vertical: 928

Dimensions

- Height: 80 mm (3.15 in)
- Width: 105 mm (4.14 in)



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	
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

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.



Keyboard shortcuts


























 **NOTE:** Keyboard characters may differ depending on the keyboard language configuration. Keys used for shortcuts remain the same across all language configurations.

Table 23. List of keyboard shortcuts

Keys	Description
	Mute audio
	Decrease volume
	Increase volume
	Play previous track/chapter
	Play/Pause
	Play next track/chapter
	Switch to external display
	Search
	Toggle keyboard backlight
	Decrease brightness
	Increase brightness
 + 	Turn off/on wireless



Keys	Description
	Pause/Break
	Sleep
	Toggle scroll lock
	Toggle between power and battery-status light/hard-drive activity light
	 NOTE: Hard-drive activity light is supported only on computers shipped with a hard drive.
	System request
	Open application menu
	Toggle Fn-key lock
	Page up
	Page down
	Home
	End

Getting help and contacting Dell

Self-help resources

You can get information and help on Dell products and services using these self-help resources:

Table 24. Self-help resources

Information about Dell products and services

www.dell.com

Dell Help & Support app



Get started app



Accessing help

In Windows search, type **Help** and **Support**, and press Enter.

Online help for operating system

www.dell.com/support/windows
www.dell.com/support/linux

Troubleshooting information, user manuals, setup instructions, product specifications, technical help blogs, drivers, software updates, and so on.

1. Go to www.dell.com/support.
1. At the top-right corner, enter **Knowledge Base** in the search box.

Enter the subject keyword to retrieve the related articles.

Learn and know about the following information about your product:

See *Me and My Dell* at www.dell.com/support/manuals.

To locate the *Me and My Dell* relevant to your product, identify your product through one of the following:

- Product specifications
- Operating system
- Setting up and using your product
- Data backup
- Troubleshooting and diagnostics

- Select *Detect Product*.
- Locate your product through the drop down menu under *View Products*.



- Operating system
- Factory and system restore
- BIOS information
- Enter the **Service Tag number** or **Product ID** into the search bar.

Contacting Dell

To contact Dell for sales, technical support, or customer service issues, see www.dell.com/contactdell.



NOTE: Availability varies by country and product, and some services may not be available in your country.



NOTE: If you do not have an active internet connection, you can find contact information on your purchase invoice, packing slip, bill, or Dell product catalog.