


# Inspiron 16 7630 2-in-1

## Setup and Specifications

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## 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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# Set up your Inspiron 16 7630 2-in-1

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

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



**NOTE:** The battery may go into power-saving mode during shipment to conserve charge on the battery. Ensure that the power adapter is connected to your computer when it is turned on for the first time.

2. Finish Windows setup.

Follow the on-screen instructions to complete the setup. When setting up, Dell recommends that you:


- Connect to a network for Windows updates.

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





- If connected to the Internet, sign in with or create a Microsoft account. If not connected to the Internet, create an offline account.
- On the **Support and Protection** screen, enter your contact details.

3. Locate and use Dell apps from the Windows Start menu—Recommended.

**Table 1. Locate Dell apps**

Resources	Description
	<p><b>My Dell</b></p> <p>Centralized location for key Dell applications, help articles, and other important information about your computer. It also notifies you about the warranty status, recommended accessories, and software updates if available.</p>

**Table 1. Locate Dell apps (continued)**

Resources	Description
	<p><b>SupportAssist</b></p> <p>SupportAssist proactively and predictively identifies hardware and software issues on your computer and automates the engagement process with Dell Technical support. It addresses performance and stabilization issues, prevents security threats, monitors, and detects hardware failures. For more information, see <i>SupportAssist for Home PCs User's Guide</i> at <a href="http://www.dell.com/serviceabilitytools">www.dell.com/serviceabilitytools</a>. Click <b>SupportAssist</b> and then, click <b>SupportAssist for Home PCs</b>.</p> <p> <b>NOTE:</b> In SupportAssist, click the warranty expiry date to renew or upgrade your warranty.</p>
	<p><b>Dell Update</b></p> <p>Updates your computer with critical fixes and latest device drivers as they become available. For more information on using Dell Update, search in the Knowledge Base Resource at <a href="http://www.dell.com/support">www.dell.com/support</a>.</p>
	<p><b>Dell Digital Delivery</b></p> <p>Download software applications, which are purchased but not preinstalled on your computer. For more information on using Dell Digital Delivery, search in the Knowledge Base Resource at <a href="http://www.dell.com/support">www.dell.com/support</a>.</p>

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## Views of Inspiron 16 7630 2-in-1

### Right



#### 1. SD-card slot

Reads from and writes to the SD card. The computer supports the following card types:

- Secure Digital (SD)
- Secure Digital High Capacity (SDHC)
- Secure Digital Extended Capacity (SDXC)

#### 2. USB 3.2 Gen 1 port

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

#### 3. Universal audio jack

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

### Left



#### 1. HDMI 1.4 port

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

#### 2. USB 3.2 Gen 1 port

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

#### 3. Thunderbolt 4 port with Power Delivery (primary power)

Supports DisplayPort 1.4 and Thunderbolt 4 and also enables you to connect to an external display using a display adapter. Provides data transfer rates of up to 40 Gbps for Thunderbolt 4.

**NOTE:** Connect your USB Type-C power adapter to this port to charge your computer.

**NOTE:** A USB Type-C to DisplayPort adapter (sold separately) is required to connect a DisplayPort device.

**NOTE:** Thunderbolt 4 supports two 4K displays or one 8K display.

**NOTE:** Displays connected through the Thunderbolt port get graphics acceleration only from the integrated graphics and not through your discrete graphics card. For the best gaming performance, connect your display directly through your computer's HDMI port or DisplayPort port.

#### 4. Thunderbolt 4 port with Power Delivery

Supports DisplayPort 1.4 and Thunderbolt 4 and also enables you to connect to an external display using a display adapter. Provides data transfer rates of up to 40 Gbps for Thunderbolt 4.

**NOTE:** Connect your USB Type-C power adapter to this port to charge your computer.

**NOTE:** A USB Type-C to DisplayPort adapter (sold separately) is required to connect a DisplayPort device.

**NOTE:** Thunderbolt 4 supports two 4K displays or one 8K display.

**NOTE:** Displays connected through the Thunderbolt port get graphics acceleration only from the integrated graphics and not through your discrete graphics card. For the best gaming performance, connect your display directly through your computer's HDMI port or DisplayPort port.

#### 5. Power and battery-status light

Indicates the power state and battery state of the computer.

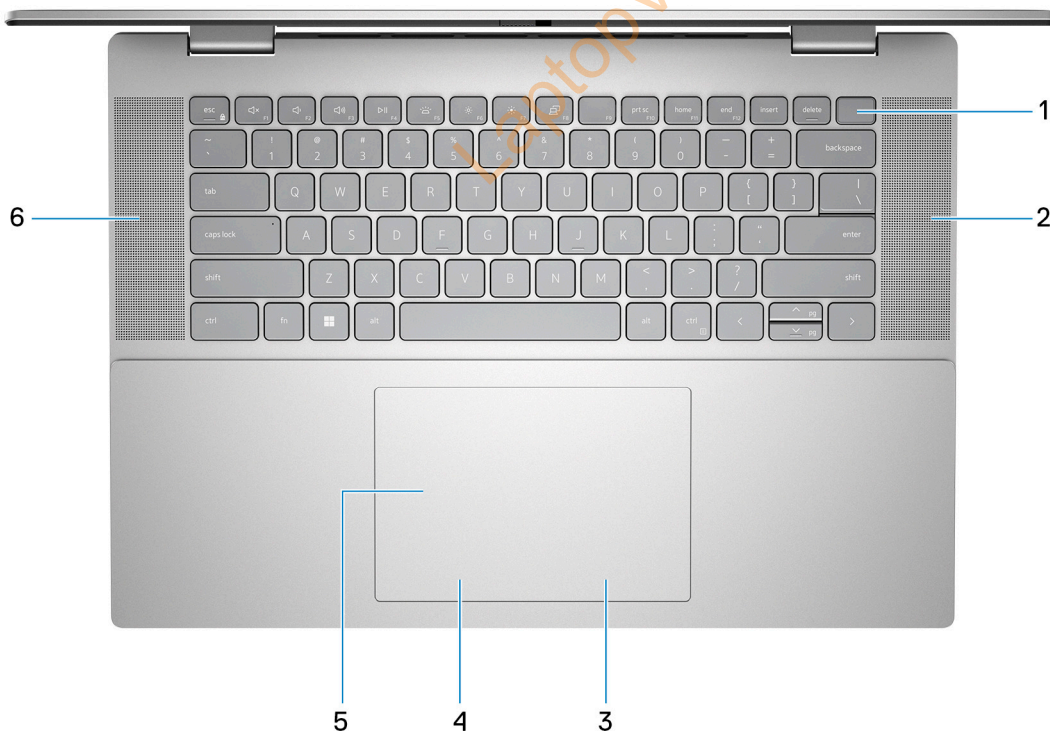
Solid white—Power adapter is connected and the battery is charging.

Solid amber—Battery charge is low or critical.

Off—Battery is fully charged.

**NOTE:** On certain computer models, the power and battery-status light are also used for diagnostics. For more information, see the *Troubleshooting* section in your computer's *Service Manual*.

## Top



#### 1. Power button with optional fingerprint reader

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

When the computer is turned on, press the power button to put the computer into sleep state; press and hold the power button for four seconds to force shut-down the computer.

If the power button has a fingerprint reader, place your finger on the power button to log in.



**NOTE:** The highlighted area indicates the actual active fingerprint reader area and the image is for illustration purposes only.

**NOTE:** You can customize power-button behavior in Windows. For more information, see *Me and My Dell* at [www.dell.com/support/manuals](http://www.dell.com/support/manuals).

## 2. Right speaker

Provides audio output.

## 3. Right-click area

Press to right-click.

## 4. Left-click area

Press to left-click.

## 5. Precision touchpad

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

## 6. Left speaker

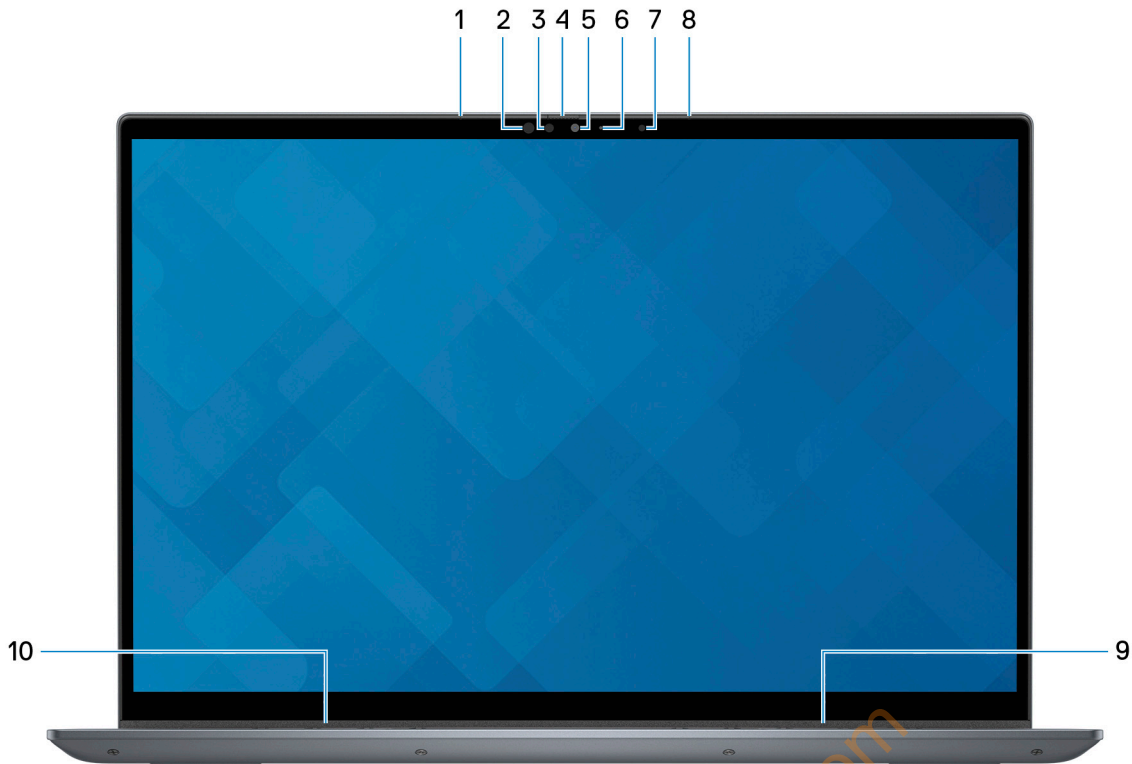
Provides audio output.

# Front

## Computers with infrared camera

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**1. Left microphone**

Provides digital sound input for audio recording and voice calls.

**2. Ambient-light sensor**

The sensor detects the ambient light and automatically adjusts the keyboard backlight and display brightness.

**3. Camera**

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

**4. Infrared camera**

Enhances security when paired with Windows Hello face authentication.

**5. Privacy shutter**

Slide the privacy shutter to cover the camera lens and protect your privacy when the camera is not in use.

**6. Camera-status light**

Turns on when the camera is in use.

**7. Infrared emitter**

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

**8. Right microphone**

Provides digital sound input for audio recording and voice calls.

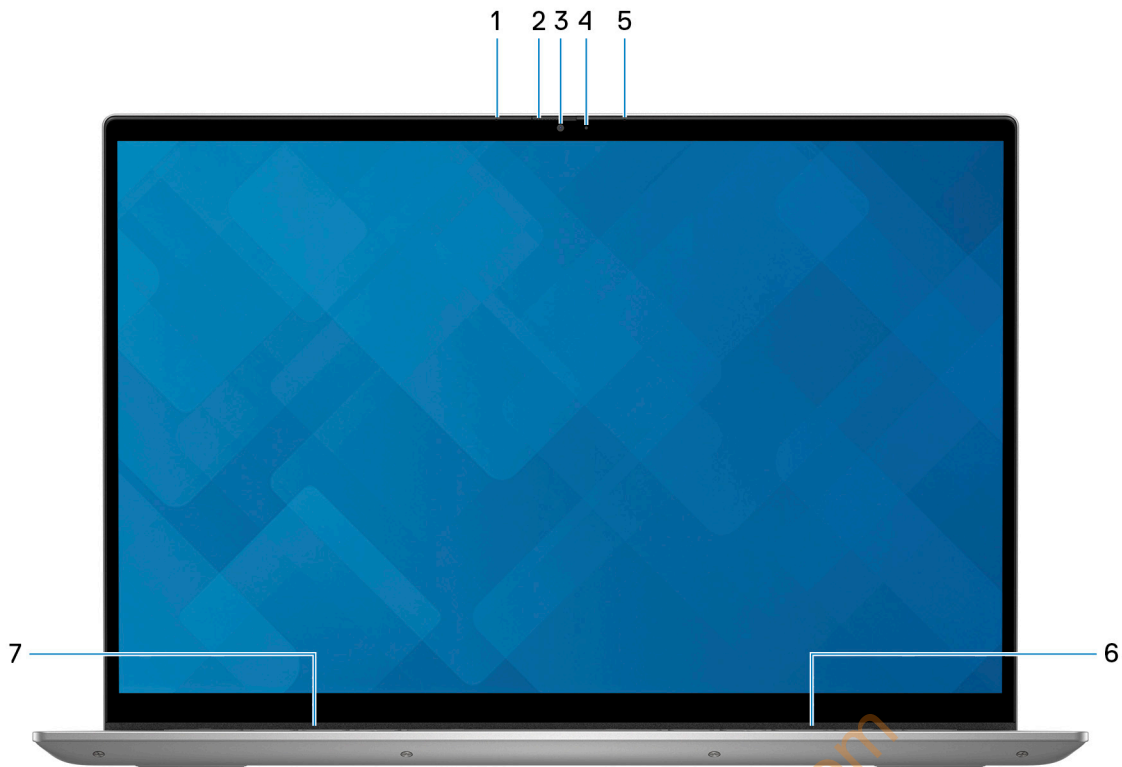
**9. Right speaker**

Provides audio output.

**10. Left speaker**

Provides audio output.

**Computers without infrared camera**



**1. Left microphone**

Provides digital sound input for audio recording and voice calls.

**2. Privacy shutter**

Slide the privacy shutter to cover the camera lens and protect your privacy when the camera is not in use.

**3. Camera**

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

**4. Camera-status light**

Turns on when the camera is in use.

**5. Right microphone**

Provides digital sound input for audio recording and voice calls.

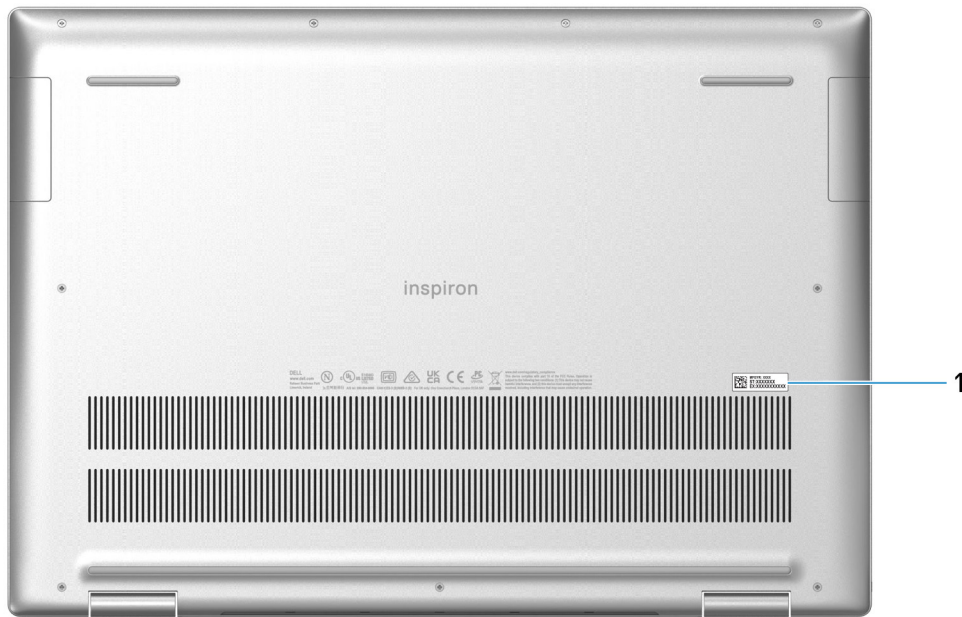
**6. Right speaker**

Provides audio output.

**7. Left speaker**

Provides audio output.

# Bottom



## 1. 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.

# Service Tag

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



# Modes

Notebook



Tablet



Stand



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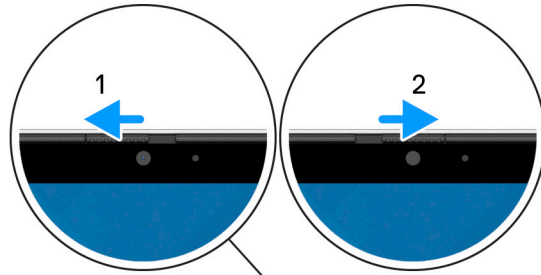
Tent



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## Using the privacy shutter

1. Slide the privacy shutter to the left to access the camera lens.
2. Slide the privacy shutter to the right to cover the camera lens.




# Specifications of Inspiron 16 7630 2-in-1

## Dimensions and weight

The following table lists the height, width, depth, and weight of your Inspiron 16 7630 2-in-1.

**Table 2. Dimensions and weight**

Description	Values
Height:	
Front height	16.23 mm (0.64 in.)
Rear height	17.54 mm (0.69 in.)
Width	356.78 mm (14.04 in.)
Depth	251.70 mm (9.91 in.)
Weight  <b>NOTE:</b> The weight of your computer depends on the configuration ordered and manufacturing variability.	<ul style="list-style-type: none"> <li>• Minimum: 2.11 kg (4.65 lb)</li> <li>• Maximum: 2.14 kg (4.72 lb)</li> </ul>

## Processor

The following table lists the details of the processors supported by your Inspiron 16 7630 2-in-1.

**Table 3. Processor**

Description	Values
Processor type	13 <sup>th</sup> Generation Intel Core i7-1360P
Processor wattage	28 W
Processor core count	12
Processor thread count	16
Processor speed	Up to 5 GHz
Processor cache	18 MB
Integrated graphics	Intel Iris X <sup>e</sup> Graphics

# Chipset

The following table lists the details of the chipset supported by your Inspiron 16 7630 2-in-1.

**Table 4. Chipset**

Description	Values
Chipset	Integrated in the processor
Processor	13 <sup>th</sup> Generation Intel Core i7
DRAM bus width	64-bit
Flash EPROM	32 MB
PCIe bus	Up to Gen4

# Operating system

Your Inspiron 16 7630 2-in-1 supports the following operating systems:

- Windows 11 Pro, 64-bit
- Windows 11 Pro National Education, 64-bit
- Windows 11 Home, 64-bit
- Windows 11 Home in S-mode, 32-bit

# Memory

The following table lists the memory specifications of your Inspiron 16 7630 2-in-1.

**Table 5. Memory specifications**

Description	Values
Memory slots	On-board memory
Memory type	LPDDR5
Memory speed	4800 MHz
Maximum memory configuration	16 GB
Minimum memory configuration	8 GB
Memory configurations supported	<ul style="list-style-type: none"><li>• 8 GB, LPDDR5, 4800 MHz, dual-channel, on-board memory</li><li>• 16 GB, LPDDR5, 4800 MHz, dual-channel, on-board memory</li></ul>



## External ports

The following table lists the external ports on your Inspiron 16 7630 2-in-1.

**Table 6. External ports**

Description	Values
USB ports	<ul style="list-style-type: none"> <li>Two USB 3.2 Gen 1 (5 Gbps) ports</li> <li>One Thunderbolt 4.0 port with Power Delivery (primary power)</li> <li>One Thunderbolt 4.0 port with Power Delivery</li> </ul>
Audio port	One Universal audio jack
Video port/ports	One HDMI 1.4 port
Media-card reader	One SD-card slot
Power-adaptor port	One Thunderbolt 4.0 port with Power Delivery (primary power)
Security-cable slot	Not supported

## Internal slots

The following table lists the internal slots of your Inspiron 16 7630 2-in-1.

**Table 7. Internal slots**

Description	Values
M.2	<ul style="list-style-type: none"> <li>One M.2 slot for M.2 2230 WiFi and Bluetooth combo card</li> <li>One M.2 slot for M.2 2230/2280 solid-state drive</li> </ul> <p><b>NOTE:</b> To learn more about the features of different types of M.2 cards, search in the Knowledge Base Resource at <a href="http://www.dell.com/support">www.dell.com/support</a>.</p>

## Wireless module

The following table lists the Wireless Local Area Network (WLAN) modules that are supported on your Inspiron 16 7630 2-in-1.

**Table 8. Wireless module specifications**

Description	Option one	Option two
Model number	Intel AX201	Intel AX211
Transfer rate	Up to 2400 Mbps	Up to 2400 Mbps
Frequency bands supported	2.4 GHz/5 GHz	2.4 GHz/5 GHz/6 GHz
Wireless standards	<ul style="list-style-type: none"> <li>WiFi 802.11a/b/g</li> <li>Wi-Fi 4 (WiFi 802.11n)</li> <li>Wi-Fi 5 (WiFi 802.11ac)</li> <li>Wi-Fi 6 (WiFi 802.11ax)</li> </ul>	<ul style="list-style-type: none"> <li>WiFi 802.11a/b/g</li> <li>Wi-Fi 4 (WiFi 802.11n)</li> <li>Wi-Fi 5 (WiFi 802.11ac)</li> <li>Wi-Fi 6E (WiFi 802.11ax)</li> </ul>

**Table 8. Wireless module specifications (continued)**

Description	Option one	Option two
Encryption	<ul style="list-style-type: none"> <li>64-bit/128-bit WEP</li> <li>AES-CCMP</li> <li>TKIP</li> </ul>	<ul style="list-style-type: none"> <li>64-bit/128-bit WEP</li> <li>AES-CCMP</li> <li>TKIP</li> </ul>
Bluetooth wireless card	Bluetooth 5.2	Bluetooth 5.3 <i>i</i> <b>NOTE:</b> Particular versions of Microsoft Windows may not support the full Bluetooth 5.3 functionality.
	<i>i</i> <b>NOTE:</b> The version of the Bluetooth wireless card may vary depending on the operating system that is installed on your computer.	

## Audio

The following table lists the audio specifications of your Inspiron 16 7630 2-in-1.

**Table 9. Audio specifications**

Description	Values	
Audio controller	Waves MaxxAudio Pro and Dolby Atmos Core	
Stereo conversion	Supported	
Internal audio interface	High-definition audio	
External audio interface	One Universal audio jack	
Number of speakers	Four	
Internal-speaker amplifier	Supported (audio codec integrated)	
External volume controls	Keyboard shortcut controls	
Speaker output:		
	Average speaker output	2 W x 4 = 8 W
	Peak speaker output	2.5 W x 4 = 10 W
Subwoofer output	Supported	
Microphone	Dual-array microphones in camera assembly	

## Storage

This section lists the storage options on your Inspiron 16 7630 2-in-1.

Your Inspiron 16 7630 2-in-1 supports one of the following storage configurations:

- One M.2 2230 solid-state drive
- One M.2 2280 solid-state drive

The primary drive of your Inspiron 16 7630 2-in-1 varies with the storage configuration. For computers with a M.2 solid-state drive, the primary drive is the M.2 drive with the operating system installed.

**Table 10. Storage specifications**

Storage type	Interface type	Capacity
M.2 2230 solid-state drive	PCIe Gen3 x4 NVMe, up to 32 Gbps	Up to 1 TB
M.2 2230 solid-state drive	PCIe Gen4 x4 NVMe, up to 64 Gbps	Up to 1 TB
M.2 2280 solid-state drive	PCIe Gen4 x4 NVMe, up to 64 Gbps	Up to 2 TB
M.2 2230 solid-state drive	PCIe Gen4 x4 NVMe, QLC, up to 64 Gbps	Up to 1 TB

## Media-card reader

The following table lists the media cards supported by your Inspiron 16 7630 2-in-1.

**Table 11. Media-card reader specifications**

Description	Values
Media-card type	One SD-card slot
Media-cards supported	<ul style="list-style-type: none"> <li>Secure Digital (SD)</li> <li>Secure Digital High Capacity (SDHC)</li> <li>Secure Digital Extended Capacity (SDXC)</li> </ul>
<p><b>NOTE:</b> The maximum capacity supported by the media-card reader varies depending on the standard of the media card installed in your computer.</p>	

## Keyboard

The following table lists the keyboard specifications of your Inspiron 16 7630 2-in-1.

**Table 12. Keyboard specifications**

Description	Values
Keyboard type	Backlit keyboard
Keyboard layout	QWERTY
Number of keys	<ul style="list-style-type: none"> <li>United States and Canada: 79 keys</li> <li>United Kingdom: 80 keys</li> <li>Japan: 83 keys</li> </ul>
Keyboard size	X=19.05 mm key pitch Y=18.05 mm key pitch
Keyboard shortcuts	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. For more information, see <a href="#">Keyboard shortcuts</a> .

# Camera

The following table lists the camera specifications of your Inspiron 16 7630 2-in-1.

**Table 13. Camera specifications**

Description		Values
Number of cameras		One
Camera type		<ul style="list-style-type: none"> <li>One FHD RGB camera for computers with FHD+ display</li> <li>One FHD+ RGB-IR camera for computers with UHD+ OLED display</li> </ul>
Camera location		Front
Camera sensor type		CMOS sensor technology
Camera resolution:		
	Still image	2.07 megapixel
	Video	1920 x 1080 (FHD) at 30 fps
Infrared camera resolution:		
	Still image	1.02 megapixel
	Video	1280 x 720 (HD) at 30 fps
Diagonal viewing angle:		
	Camera	82 degrees
	Infrared camera	77 degrees

# Touchpad

The following table lists the touchpad specifications of your Inspiron 16 7630 2-in-1.


**Table 14. Touchpad specifications**

Description		Values
Touchpad resolution:		> 300 dpi
Touchpad dimensions:		
	Horizontal	133 mm (5.24 in.)
	Vertical	90 mm (3.54 in.)
Touchpad gestures		For more information about touchpad gestures available on Windows, see the Microsoft knowledge base article at <a href="https://support.microsoft.com">support.microsoft.com</a> .

## Power adapter

The following table lists the power adapter specifications of your Inspiron 16 7630 2-in-1.

**Table 15. Power adapter specifications**

Description	Values
Type	65 W USB Type-C adapter
Input voltage	100 VAC–240 VAC
Input frequency	50 Hz–60 Hz
Input current (maximum)	1.70 A
Output current (continuous)	<ul style="list-style-type: none"> <li>• 3 A</li> <li>• 3.25 A</li> </ul>
Rated output voltage	<ul style="list-style-type: none"> <li>• 20 VDC</li> <li>• 15 VDC</li> <li>• 9 VDC</li> <li>• 5 VDC</li> </ul>
Temperature range:	
Operating	0°C to 40°C (32°F to 104°F)
Storage	-40°C to 70°C (-40°F to 158°F)
 <b>CAUTION: Operating and storage temperature ranges may differ among components, so operating or storing the device outside these ranges may impact the performance of specific components.</b>	

## Battery

The following table lists the battery specifications of your Inspiron 16 7630 2-in-1.

**Table 16. Battery specifications**

Description	Option one	Option two
Battery type	4-cell "smart" lithium-ion, 64 Wh	6-cell "smart" lithium-ion, 86 Wh
Battery voltage	15.20 VDC	<ul style="list-style-type: none"> <li>• 13.20 VDC</li> <li>• 13.35 VDC</li> </ul>
Battery weight (maximum)	0.26 kg (0.57 lb)	0.34 kg (0.75 lb)
Battery dimensions:		
Height	271.90 mm (10.70 in.)	295.20 mm (11.62 in.)
Width	82 mm (3.23 in.)	77.70 mm (3.06 in.)
Depth	5.75 mm (0.23 in.)	7.56 mm (0.30 in.)
Temperature range:		
Operating	0°C to 70°C (32°F to 158°F)	0°C to 70°C (32°F to 158°F)

**Table 16. Battery specifications (continued)**

Description		Option one	Option two
	Storage	-20°C to 65°C (-4°F to 149°F)	-20°C to 65°C (-4°F to 149°F)
Battery 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.
Battery charging time (approximate) ⓘ <b>NOTE:</b> Control the charging time, duration, start and end time, and so on using the Dell Power Manager application. For more information about Dell Power Manager, search in the Knowledge Base Resource at <a href="http://www.dell.com/support">www.dell.com/support</a> .		4 hours (when the computer is off)	4 hours (when the computer is off)
Coin-cell battery		CR-2032	CR-2032
⚠ <b>CAUTION:</b> Operating and storage temperature ranges may differ among components, so operating or storing the device outside these ranges may impact the performance of specific components.			
⚠ <b>CAUTION:</b> Dell recommends that you charge the battery regularly for optimal power consumption. If your battery charge is completely depleted, connect the power adapter, turn on your computer, and then restart your computer to reduce the power consumption.			

## Display

The following table lists the display specifications of your Inspiron 16 7630 2-in-1.

**Table 17. Display specifications**

Description		Option one	Option two
Display type		16-inch, Full High Definition Plus (FHD+), ComfortView Plus	16-inch, Ultra High Definition Plus (UHD+), ComfortView Plus
Touch options		Touch support, with 10 touch points	Touch support, with 10 touch points
Display-panel technology		Wide Viewing Angle (WVA)	Organic Light Emitting Display (OLED)
Display-panel dimensions (active area):			
	Height	344.68 mm	344.45 mm
	Width	215.42 mm	215.28 mm
	Diagonal	406.46 mm	406.19 mm
Display-panel native resolution		1920 x 1200	3840 x 2400
Luminance (typical)		300 nits	400 nits
Megapixels		2.3	9.2
Color gamut		100% sRGB, typical	100% DCI-P3, typical
Pixels Per Inch (PPI)		141	283

**Table 17. Display specifications (continued)**

Description	Option one	Option two
Contrast ratio (min.)	1200:1, typical	1000000:1, typical
Response time (max.)	30 ms, typical	1 ms, typical
Refresh rate	60 Hz	60 Hz
Horizontal view angle	<ul style="list-style-type: none"> <li>+/- 85 degrees, typical</li> <li>+/- 80 degrees, minimum</li> </ul>	<ul style="list-style-type: none"> <li>+/- 85 degrees, typical</li> <li>+/- 80 degrees, minimum</li> </ul>
Vertical view angle	<ul style="list-style-type: none"> <li>+/- 85 degrees, typical</li> <li>+/- 80 degrees, minimum</li> </ul>	<ul style="list-style-type: none"> <li>+/- 85 degrees, typical</li> <li>+/- 80 degrees, minimum</li> </ul>
Pixel pitch	0.18 mm	0.0897 mm
Power consumption (maximum)	4.73 W	11.47 W
Anti-glare vs glossy finish	Glossy	Glossy

## Fingerprint reader (optional)

The following table lists the specifications of the optional fingerprint-reader of your Inspiron 16 7630 2-in-1.

**Table 18. Fingerprint reader specifications**

Description	Values
Fingerprint-reader sensor technology	Capacitive
Fingerprint-reader sensor resolution	500 ppi
Fingerprint-reader sensor pixel size	100 x 88

## GPU—Integrated

The following table lists the specifications of the integrated Graphics Processing Unit (GPU) supported by your Inspiron 16 7630 2-in-1.

**Table 19. GPU—Integrated**

Controller	Memory size	Processor
Intel Iris X <sup>e</sup> Graphics	Shared system memory	13 <sup>th</sup> Generation Intel Core i7

## GPU—Discrete

The following table lists the specifications of the discrete Graphics Processing Unit (GPU) supported by your Inspiron 16 7630 2-in-1.


**Table 20. GPU—Discrete**

Controller	Memory size	Memory type
NVIDIA GeForce MX550	2 GB	GDDR6

## External display support

The following table lists the external display support for your Inspiron 16 7630 2-in-1.

**Table 21. External display support**


Graphics card	Supported external displays with laptop display enabled	Supported external displays with laptop display disabled
Intel Iris X <sup>e</sup> Graphics	3	4
NVIDIA GeForce MX550	1	2
 <b>NOTE:</b> For more information about external display support, see the External Display Connection Guide on <a href="http://www.dell.com/support">www.dell.com/support</a> .		

## Operating and storage environment

This table lists the operating and storage specifications of your Inspiron 16 7630 2-in-1.

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

**Table 22. Computer environment**

Description	Operating	Storage
Temperature range	0°C to 40°C (32°F to 104°F)	-40°C to 65°C (-40°F to 149°F)
Relative humidity (maximum)	50% to 90% (non-condensing)	20% to 95% (non-condensing)
Vibration (maximum)*	0.66 GRMS	Operational
Shock (maximum)	140 G†	Operational
 <b>CAUTION:</b> Operating and storage temperature ranges may differ among components, so operating or storing the device outside these ranges may impact the performance of specific components.		

\* Measured using a random vibration spectrum that simulates user environment.

† Measured using a 2 ms half-sine pulse.