Inspiron 7506 2-in-1 Black

Setup and Specifications

Notes, cautions, and warnings

(i) **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.**

Contents

Set up your Inspiron 7506 2-in-1 Black

(i) **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.

(i) **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.
     (i) **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
	My Dell 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.

Table 1. Locate Dell apps (continued)

Resources	Description
	SupportAssist Proactively checks the health of your computer's hardware and software. The SupportAssist OS Recovery tool troubleshoots issues with the operating system. For more information, see the SupportAssist documentation at www.dell.com/support. ⓘ **NOTE:** In SupportAssist, click the warranty expiry date to renew or upgrade your warranty.
	Dell Update Updates your computer with critical fixes and latest device drivers as they become available. For more information about using Dell Update, see the knowledge base article SLN305843 at www.dell.com/support.
	Dell Digital Delivery Download software applications, which are purchased but not pre-installed on your computer. For more information about using Dell Digital Delivery, see the knowledge base article 153764 at www.dell.com/support.

Views of Inspiron 7506 2-in-1 Black

Right

1. **microSD-card slot**

   Reads from and writes to the microSD card. The computer supports the following card types:
   - microSecure Digital (microSD)
   - microSecure Digital High Capacity (microSDHC)
   - microSecure Digital Extended Capacity (microSDXC)

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. **Headset port**

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

Left

1. **Power-adapter port**

   Connect a power adapter to provide power to your computer.

2. **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.

3. **HDMI port**

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

4. **USB 3.2 Gen 1 port**

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

5. **Thunderbolt 4 USB Type-C port with Power Delivery**

Supports USB4 Gen 3 Type-C, DisplayPort 2.0, Thunderbolt 4 and also enables you to connect to an external display using a display adapter. Provides data transfer rates of up to 20 Gbps for USB4 Gen 3 and up to 40 Gbps for Thunderbolt 4. Supports Power Delivery that enables two-way power supply between devices. Provides up to 5 V/3 A power output that enables faster charging.

ⓘ **NOTE:** You can connect a Dell Docking Station to the Thunderbolt 4 ports. For more information, see the knowledge base article SLN286158 at www.dell.com/support.

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

ⓘ **NOTE:** Connecting a USB Type-C power adapter to this port provides power to your computer and also charges the battery.

Base
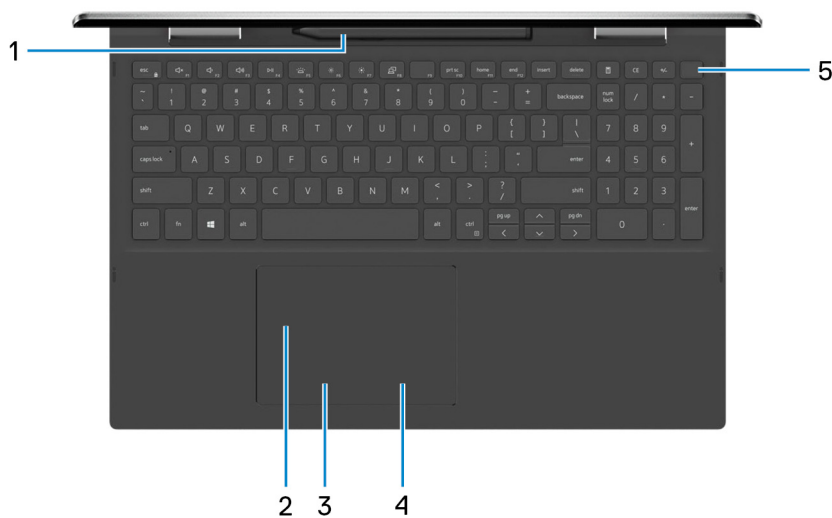
1. **Pen garage**

Allows you to charge the Active Pen. Replace the Active Pen here after use.

2. **Touchpad**

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

3. **Left-click area**

Press to left-click.

4. **Right-click area**

Press to right-click.

5. **Power button with 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 10 seconds to force shut-down the computer.

Place your finger on the power button to log-in with the fingerprint reader.

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

Display
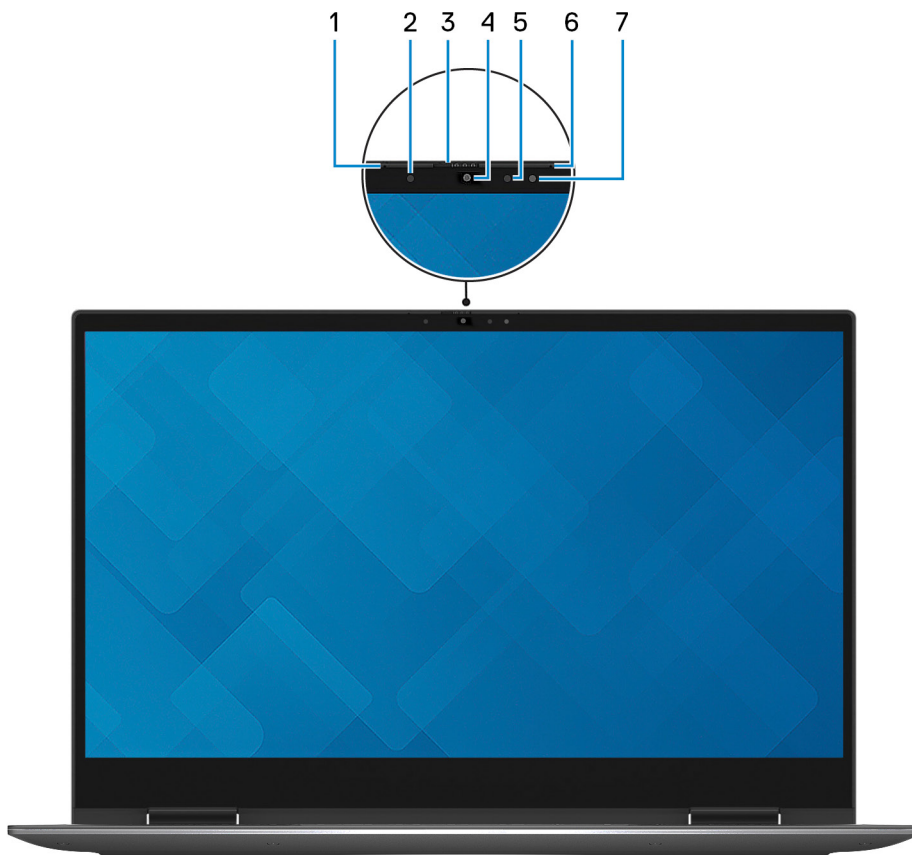
1. **Left microphone**

   Provides digital sound input for audio recording and voice calls.

2. **Infrared emitter**

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

3. **Privacy shutter**

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

4. **Camera (RGB and Infrared)**

   This camera provides both three color channel (RGB) functionality that enables you to video chat, capture photos, and record videos as well as Infrared (IR) functionality that enables Windows Hello tracking.

5. **Camera-status light**

   Turns on when the camera is in use.

6. **Right microphone**

   Provides digital sound input for audio recording and voice calls.

7. **Infrared emitter**

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

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.

Modes

Notebook

Tablet

Stand

Tent

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.

Dell Chargeable Active Pen

The Dell Chargeable Active Pen is a digital input device that enables you to write and draw. It contains integrated rechargeable lithium-ion battery and supports Bluetooth 5.

Active Pen Features

1. **Tail button**

   Use the tail button to erase the content that is written on the screen using the pen.

2. **Active Pen status light**

   Indicates the different status of the Active Pen as listed in the following table.

   (i) **NOTE:** The Active Pen status light is hidden. It only turns on when there is activity such as Bluetooth pairing, low battery indication, or when battery is getting charged.

   Table 2. Active Pen status light

Activity	Light status	What it means?
Bluetooth pairing	White - Slow continuous pulsing (dim to bright) white light for 60 seconds.	Active Pen is in pairing mode.
Bluetooth pairing	White - Solid white light for 3 seconds and turns off	Bluetooth connection is established.
Low battery	Amber - Flashing amber light for 5 seconds and turns off	Battery is low or less than 10%.
Charging	White - Solid	Active Pen is getting charged and will turn off when charging is complete.
Windows Ink apps	White - Flicker once	The Windows Ink apps are displayed.
Bluetooth reconnection failed	Amber - Flickers continuously	Indicates the Bluetooth reconnection failure.

3. **Pogo pins (2)**

   Enables charging the Active Pen when the pen is placed in the garage.

   (i) **NOTE:** Ensure both pogo pins on the Active Pen are aligned with the contact points on the pen garage.

4. **Barrel button**

   This button opens the context menu or enables right-click.

5. **Tip**

   Use the tip to move the pointer on the touchscreen. Enables you to write, draw, and select objects.

Pairing the Active Pen with new computer

Using the pen garage

ⓘ **NOTE:** Ensure that the Bluetooth on your computer is turned on before performing the following steps.

To pair the Active Pen on a new computer, do the following:

1. Place the Active Pen in the pen garage.
   Show notifications connect using Swift Pair appears on the right side of the taskbar.
2. Click **Yes**.
   New Bluetooth found appears on the right side of the taskbar.
3. Click **Connect**.

Using the tail button

ⓘ **NOTE:** Ensure that the Bluetooth on your computer is turned on before performing the following steps.

To pair the Active Pen to a new computer using the tail button, do the following:

1. Press and hold the tail button for five seconds, until the LED starts to blink white.
   Show notifications connect using Swift Pair appears on the right side of the task bar.
2. Click **Yes**.
   New Bluetooth found appears on the right side of the taskbar.
3. Click **Connect**.

Pairing the Active Pen with existing computer

Using the pen garage

ⓘ **NOTE:** Ensure that the Bluetooth on your computer is turned on before performing the following steps.

To pair the Active Pen to a existing computer, do the following:

1. Place the Active Pen in the pen garage.
   On the taskbar, a notification appears to add bluetooth or other devices.
2. Click **Add Bluetooth or other devices**.
   Add a device window appears.
3. Click **Bluetooth**.
   A list of bluetooth enabled devices within the range are displayed.
4. Click **PN771M Pen** from the list of devices displayed.
5. Click **Connect**, and then click **Done**.

Using the tail button

ⓘ **NOTE:** Ensure that the Bluetooth on your computer is turned on before performing the following steps.

You can also pair the Active Pen to existing computer, using the tail button.

1. Press and hold the tail button for five seconds, until the LED starts to blink white.
   New Bluetooth pen found message is displayed on the taskbar.
2. Click **Add Bluetooth or other devices**.
   Add a device window appears.
3. Click **Bluetooth**.

A list of bluetooth enabled devices within the range are displayed.

4. Click **PN771M Pen** from the list of devices displayed.
5. Click **Connect**, and then click **Done**.

Reconnecting Bluetooth on the Active Pen

If the Active Pen is out of the Bluetooth range, you can reconnect the Active Pen to your computer.

Using the pen garage

ⓘ **NOTE:** Ensure that the bluetooth on your computer is turned on before performing the following steps.

To reconnect the Bluetooth, do the following:

1. Place the Active Pen in the pen garage.
2. In the taskbar, click **Bluetooth**, and then click **Go to Settings**.
   The **Bluetooth & other devices** window is displayed.
3. In **Bluetooth & other devices** window, the status of the Active Pen is changed from paired to connected.

Using the tail button

ⓘ **NOTE:** Ensure that the Bluetooth on your computer is turned on before performing the following steps.

You can also reconnect the Active Pen using the tail button.

1. Click the tail button one time, until the LED starts to blink white.
2. In the taskbar, click **Bluetooth**, and then click **Go to Settings**.
   The **Bluetooth & other devices** window is displayed.
3. In **Bluetooth & other devices** window, the Active Pen status changes from paired to connected.

Charging the Active Pen

To charge the Active Pen, do the following:

1. Align the two pogo pins on the Active Pen with the contact points on the Active Pen garage.
2. Place the Active Pen into the Active Pen garage. The Active Pen starts charging.

   ⓘ **NOTE:** The estimated time taken to charge the Active Pen is given in the following table.

   Table 3. Charging time

Estimated charging time	Battery charge status
5 minutes	0% to 20%
30 minutes	0% to 98%
45 minutes	100%

Checking the Active Pen battery status

Using Windows Settings

You can check the Active Pen battery status in the **Bluetooth & other devices** window.

1. Click **Settings**.
2. Click **Bluetooth & other devices**.
   The battery status of the Active Pen is displayed under **Mouse, keyboard & pen**.

Using Windows taskbar

You can also view the battery status of the Active Pen from the taskbar.

1. On the taskbar, click **Bluetooth Devices.**
2. Click **Show Bluetooth Devices**.
   The **Bluetooth & other devices** window is displayed. The battery status of the Active Pen is displayed under **Mouse, keyboard & pen** category.

Functions of the Active Pen

(i) **NOTE:** The functions of the Active Pen that is listed below work only on supported applications such as Microsoft Whiteboard.

1. **Draw**

   Touch the tip of the Active Pen on the screen and start drawing.

2. **Enabling right-click**
   a. Press and hold the barrel button on the Active Pen.
   b. Tap the tip of the Active Pen on the screen once to right-click.

3. **Make a selection**

   a. Press and hold the barrel button on the Active Pen.
   b. Place the tip of the Active Pen on the screen and continue moving it to select the content.
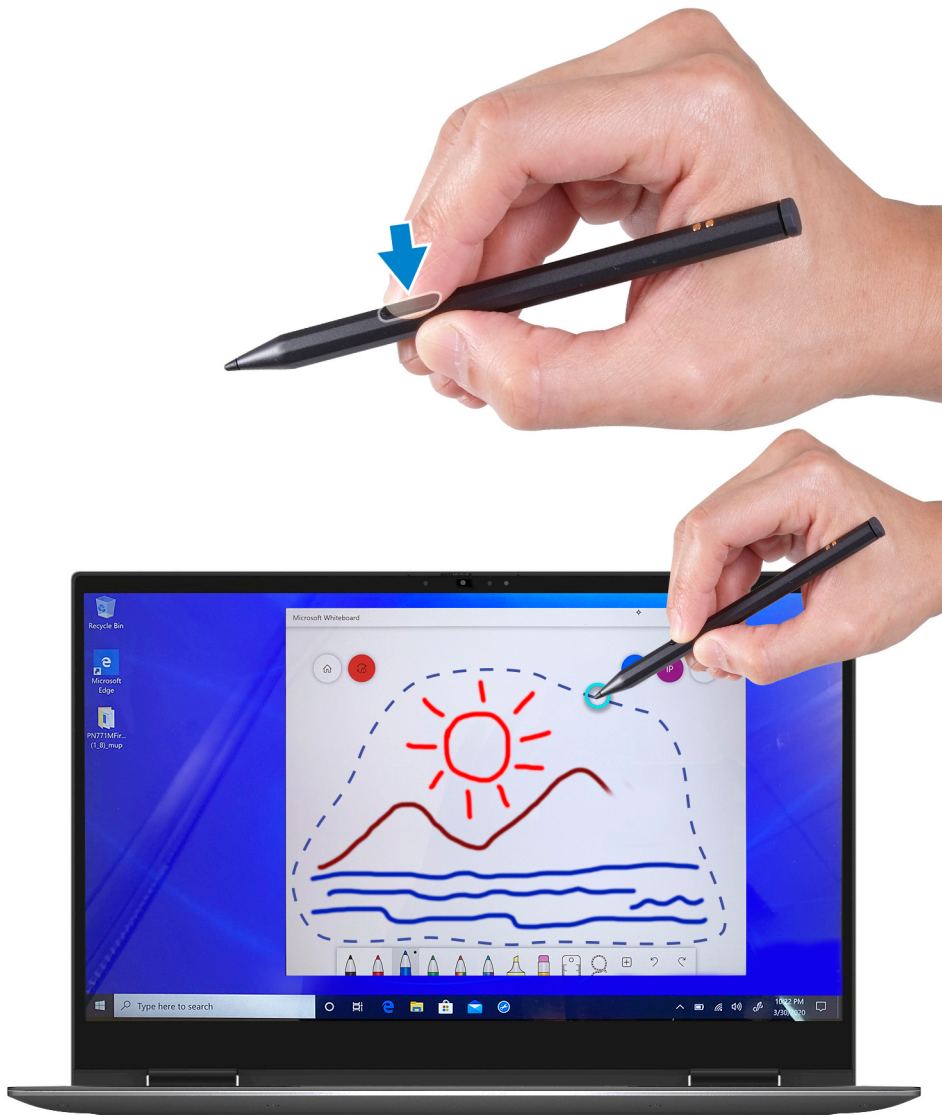
4. **Erase**

   Place the tail button of the Active Pen on the screen and continue moving it to erase the content.

Configuring the tail button in Windows

When the Active Pen is paired using Windows 10, it supports Windows Ink workshop shortcuts. You can configure the shortcuts as listed below.

1. Click **Settings**.
   The **Settings** window is displayed.
2. Click **Pen & Windows Ink**.
   The **Pen & WIndows Ink** window is displayed.

Configuring tail button in Pen & Windows Ink

1. **Click once**

   When the tail button is clicked once, the screen snipping is enabled by default. Then place the tip of the Active Pen on the screen and draw the selection area that you want to snip.

   (i) **NOTE:** You can also configure to open other applications like Windows Ink Workspace, OneNote, Launch a classic app or Launch a universal app on a single click of the tail button.

2. **Double-click**

When the tail button is clicked twice, the screen snipping is enabled and once the snip is completed, it launches Snip & Sketch application for editing.

(i) **NOTE:** You can also configure to open other applications like Windows Ink Workspace, OneNote, Launch a classic app or Launch a universal app, along with home, Microsoft Whiteboard, Sticky Notes and Snip & Sketch to edit the snipped images on double-click of the tail button.

3. **Press and hold**

   Long pressing of the tail button opens sticky notes by default.

   (i) **NOTE:** You can also configure to open other applications like Windows Ink Workspace, OneNote, Launch a classic app or Launch a universal app, along with home, Microsoft Whiteboard, Sticky Notes and Snip & Sketch on double-click of the tail button.

Specifications of Active Pen

The following table lists the specifications of the Active Pen on your Inspiron 7506 2-in-1 Black.

Table 4. Active Pen specifications

Description		Values
Model		PN771M
Dimensions:		
	Length	137.05 mm (5.39 in.)
	Diameter	9 mm (0.35 in.)
	Weight	14 g (0.031 lbs)
Wireless		Bluetooth 5
Wireless operating range		10 m (32.81 ft)
Minimum height for pen tip detection		8 mm (0.31 in.)
Batteries		Integrated lithium-ion rechargeable battery
Supported operating system		Windows 10

Active Pen troubleshooting

Table 5. Active Pen troubleshooting

Problem	Possible causes	Possible solutions
Active Pen does not work	Integrated lithium-ion battery has no charge left	Place the Active Pen in the pen garage to charge the pen and retry. (i) **NOTE:** Ensure that the Active Pen is always placed in the pen garage when not in use.
Default functions of the barrel button do not work	Functions are not supported by the application	Test the barrel button functionality using Microsoft OneNote or any other application that supports these features.
Pressing the tail button once does not open the required application	• The application is not installed. • Active Pen is not paired with your computer.	• Ensure the application is installed on your computer. • Ensure that the Active Pen is paired with your computer. For more information, see Pairing the Active Pen.

Table 5. Active Pen troubleshooting (continued)

Problem	Possible causes	Possible solutions
Pressing the tail button twice does not capture screenshot	- Active Pen is not paired with your computer. - Windows update KB2968599 is not installed on your computer.	- Install the latest Bluetooth driver on your computer. - Install the Windows update KB2968599 from the Microsoft website.
Unable to pair the Active Pen with your computer	- The device that you are trying to pair the Active Pen with is not supported. - Bluetooth driver on your computer is not the latest.	- Active Pen works only with Inspiron 7506 2-in-1 Black computer. - Install the latest Bluetooth driver on your computer.
Bluetooth device list displays the Active Pen as 'Not Connected'	Active Pen is not paired with your computer correctly.	- Install the latest Bluetooth driver on your computer. - Remove the Active Pen from the list of available Bluetooth devices and pair it again. For more information, see Reconnecting Bluetooth on the Active Pen.

Specifications of Inspiron 7506 2-in-1 Black

Dimensions and weight

The following table lists the height, width, depth, and weight of your Inspiron 7506 2-in-1 Black.

Table 6. Dimensions and weight

Description	Values
Height:	
Front height	16.40 mm (0.65 in.)
Rear height	17.94 mm (0.71 in.)
Width	356.20 mm (14.02 in.)
Depth	238.40 mm (9.39 in.)
Weight (maximum)	1.90 kg (4.19 lb) (i) **NOTE:** The weight of your computer depends on the configuration ordered and manufacturing variability.

Processor

The following table lists the details of the processors supported by your Inspiron 7506 2-in-1 Black.

Table 7. Processor

Description	Option one	Option two
Processor type	11th Generation Intel Core i5-1135G7	11th Generation Intel Core i7-1165G7
Processor wattage	28 W	28 W
Processor core count	4	4
Processor thread count	8	8
Processor speed	Up to 4.2 GHz	Up to 4.7 GHz
Processor cache	8 MB	12 MB
Integrated graphics	Intel Iris Xe Graphics	Intel Iris Xe Graphics

Chipset

The following table lists the details of the chipset supported by your Inspiron 7506 2-in-1 Black.

Table 8. Chipset

Description	Values
Chipset	Integrated in the processor
Processor	11th Generation Intel Core i5/i7
DRAM bus width	128-bit
Flash EPROM	16+8 MB
PCIe bus	Up to Gen3

Operating system

Your Inspiron 7506 2-in-1 Black supports the following operating systems:

- Windows 10 Pro, 64-bit
- Windows 10 Home, 64-bit

Memory

The following table lists the memory specifications of your Inspiron 7506 2-in-1 Black.

Table 9. Memory specifications

Description	Values
Memory slots	No memory slots ⓘ **NOTE:** The memory module is integrated on the system board.
Memory type	Dual-channel LPDDR4x
Memory speed	4267 MHz
Maximum memory configuration	16 GB
Minimum memory configuration	8 GB
Memory size per slot	4 GB and 8 GB
Memory configurations supported	• 8 GB, 2 x 4 GB, LPDDR4x, 4267 MHz, dual-channel • 16 GB, 2 x 8 GB, LPDDR4x, 4267 MHz, dual-channel

External ports

The following table lists the external ports on your Inspiron 7506 2-in-1 Black.

Table 10. External ports

Description	Values
USB ports	- Two USB 3.2 Gen 1 ports - One Thunderbolt 4 Type-C port with Power Delivery
Audio port	One headset (headphone and microphone combo) port
Video port	One HDMI 2.0 port
Media-card reader	One microSD-card slot
Docking port	Not supported
Power-adapter port	One 4.5 mm x 2.9 mm DC-in
Security	Not supported

Internal slots

The following table lists the internal slots of your Inspiron 7506 2-in-1 Black.

Table 11. Internal slots

Description	Values
M.2	- One M.2 2230 slot for WiFi and Bluetooth combo card - One M.2 2280 slot for solid-state drive/Intel Optane/Intel Optane Storage ⓘ **NOTE:** To learn more about the features of different types of M.2 cards, see the knowledge base article SLN301626 at www.dell.com/support.

Wireless module

The following table lists the Wireless Local Area Network (WLAN) module supported on your Inspiron 7506 2-in-1 Black.

ⓘ **NOTE:** The wireless module is integrated on the system board.

Table 12. Wireless module specifications

Description	Values
Model number	Intel AX201
Transfer rate	Up to 2400 Mbps
Frequency bands supported	2.4 GHz/5 GHz
Wireless standards	- WiFi 802.11a/b/g - Wi-Fi 4 (WiFi 802.11n) - Wi-Fi 5 (WiFi 802.11ac) - Wi-Fi 6 (WiFi 802.11ax)

Table 12. Wireless module specifications (continued)

Description	Values
Encryption	64-bit/128-bit WEP - AES-CCMP - TKIP
Bluetooth	Bluetooth 5

Audio

The following table lists the audio specifications of your Inspiron 7506 2-in-1 Black.

Table 13. Audio specifications

Description		Values
Audio controller		Realtek ALC3254
Stereo conversion		Supported
Internal audio interface		High-definition audio
External audio interface		Universal audio jack
Number of speakers		Two
Internal-speaker amplifier		Supported
External volume controls		Keyboard shortcut controls
Speaker output:		
	Average speaker output	2 W
	Peak speaker output	2.5 W
Subwoofer output		Not supported
Microphone		Dual-array microphones

Storage

This section lists the storage options on your Inspiron 7506 2-in-1 Black.

Your Inspiron 7506 2-in-1 Black supports one of the following storage configurations:

- M.2 2230/2280 PCIe/NVMe solid-state drive
- M.2 2280 PCIe/NVMe solid-state drive + 32 GB Intel Optane Storage
- M.2 2280 PCIe/NVMe Intel Optane Storage

The primary drive of your Inspiron 7506 2-in-1 Black varies with the storage configuration. For computers:

- with a M.2 drive, the M.2 drive is the primary drive
- without a M.2 drive, the 2.5-inch hard drive is the primary drive

Table 14. Storage specifications

Storage type	Interface type	Capacity
One M.2 2230/2280 PCIe/NVMe SSD	PCIe NVMe Gen3 x4, up to 32 Gbps	Up to 512 GB

Table 14. Storage specifications (continued)

Storage type	Interface type	Capacity
One M.2 2280 PCIe/NVMe SSD	PCIe NVMe Gen3 x4, up to 32 Gbps	Up to 2 TB
One M.2 2280 Intel Optane Memory H10 with Solid State Storage	PCIe NVMe Gen3 x2, up to 32 Gbps	Up to 1 TB

Intel Optane Memory H10 with solid-state storage (optional)

Intel Optane Memory technology utilizes 3D XPoint memory technology and functions as a non-volatile storage cache/ accelerator and/or storage device depending on the Intel Optane Memory installed in your computer.

Intel Optane Memory H10 with solid-state storage functions as both a non-volatile storage cache/accelerator (enabling enhanced read/write speeds for hard-drive storage) and a solid-state storage solution. It neither replaces nor adds to the memory (RAM) installed on your computer.

Table 15. Intel Optane Memory H10 with solid-state storage specifications

Description	Values
Interface	PCIe Gen3 x4 NVMe
Connector	M.2
Form factor	2280
Capacity (Intel Optane memory)	Up to 32 GB
Capacity (solid-state storage)	Up to 1 TB

ⓘ **NOTE:** Intel Optane Memory H10 with solid-state storage is supported on computers that meet the following requirements:

- 9th Generation or higher Intel Core i3/i5/i7 processors
- Windows 10 64-bit version or higher (Anniversary Update)
- Intel Rapid Storage Technology driver version 15.9.1.1018 or higher

Media-card reader

The following table lists the media cards supported by your Inspiron 7506 2-in-1 Black.

Table 16. Media-card reader specifications

Description	Values
Media-card type	One microSD-card slot
Media-cards supported	- micro-Secure Digital (mSD) - micro-Secure Digital High Capacity (mSDHC) - micro-Secure Digital Extended Capacity (mSDXC)

ⓘ **NOTE:** The maximum capacity supported by the media-card reader varies depending on the standard of the media card installed in your computer.

Keyboard

The following table lists the keyboard specifications of your Inspiron 7506 2-in-1 Black.

Table 17. Keyboard specifications

Description	Values
Keyboard type	Backlit keyboard
Keyboard layout	QWERTY
Number of keys	- United States and Canada: 101 keys - United Kingdom: 102 keys
Keyboard size	X =18.70 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. (i) **NOTE:** You can define the primary behavior of the function keys (F1–F12) changing **Function Key Behavior** in BIOS setup program. For more information, see Keyboard shortcuts.

Camera

The following table lists the camera specifications of your Inspiron 7506 2-in-1 Black.

Table 18. Camera specifications

Description		Values
Number of cameras		One
Camera type		RGB-Infrared(RGB-IR) HD camera
Camera location		Front
Camera sensor type		CMOS sensor technology
Camera resolution:		
	Still image	0.92 megapixel
	Video	1280 x 720 (HD) at 30 fps
Infrared camera resolution:		
	Still image	0.23 megapixel
	Video	640 x 360 at 30 fps
Diagonal viewing angle:		
	Camera	77.7 degrees

Table 18. Camera specifications (continued)

Description	Values
Infrared camera	77.7 degrees

Touchpad

The following table lists the touchpad specifications of your Inspiron 7506 2-in-1 Black.

Table 19. Touchpad specifications

Description		Values
Touchpad resolution:		
	Horizontal	1349
	Vertical	929
Touchpad dimensions:		
	Horizontal	115 mm (4.53 in.)
	Vertical	80 mm (3.15 in.)
Touchpad gestures		For more information about touchpad gestures available on Windows 10, see the Microsoft knowledge base article 4027871 at support.microsoft.com.

Power adapter

The following table lists the power adapter specifications of your Inspiron 7506 2-in-1 Black.

Table 20. Power adapter specifications

Description		Values
Type		90 W
Connector dimensions:		
	External diameter	4.50 mm
	Internal diameter	2.90 mm
Input voltage		100 VAC–240 VAC
Input frequency		50 Hz–60 Hz
Input current (maximum)		1.50 A
Output current (continuous)		4.62 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

The following table lists the battery specifications of your Inspiron 7506 2-in-1 Black.

Table 21. Battery specifications

Description		Values
Battery type		68 Wh, 4-cell "smart" lithium-ion
Battery voltage		15.20 VDC
Battery weight (maximum)		0.34 kg (0.75 lb)
Battery dimensions:		
	Height	7.05 mm (0.27 in.)
	Width	233 mm (9.17 in.)
	Depth	85.30 mm (3.35 in.)
Temperature range:		
	Operating	0°C to 35°C (32°F to 95°F)
	Storage	-40°C to 65°C (-40°F to 149°F)
Battery operating time		Varies depending on operating conditions and can significantly reduce under certain power-intensive conditions.
Battery charging time (approximate) (i) **NOTE:** Control the charging time, duration, start and end time, and so on using the Dell Power Manager application. For more information on the Dell Power Manager see, *Me and My Dell* on www.dell.com.		4 hours (when the computer is off)
Coin-cell battery		CR2032

Display

The following table lists the display specifications of your Inspiron 7506 2-in-1 Black.

Table 22. Display specifications

Description		Values
Display type		15.5-inch Ultra High Definition (UHD)
Display-panel technology		Wide Viewing Angle (WVA)
Display-panel dimensions (active area):		
	Height	193.60 mm (7.62 in.)
	Width	344.20 mm (13.55 in.)
	Diagonal	395 mm (15.55 in.)
Display-panel native resolution		3840 x 2160

Table 22. Display specifications (continued)

Description	Values
Luminance (typical)	270 nits
Megapixels	8
Color gamut	100% (sRGB)
Pixels Per Inch (PPI)	283
Contrast ratio (min)	700:1
Response time (max)	35 ms
Refresh rate	60 Hz
Horizontal view angle	+/- 85 degrees
Vertical view angle	+/- 85 degrees
Pixel pitch	0.09 mm
Power consumption (maximum)	5 W
Anti-glare vs glossy finish	Anti-glare
Touch options	Yes

Fingerprint reader

The following table lists the fingerprint-reader specifications of your Inspiron 7506 2-in-1 Black.

(i) **NOTE:** The fingerprint reader is located on the power button.

Table 23. Fingerprint reader specifications

Description	Values
Fingerprint-reader sensor technology	Capacitive
Fingerprint-reader sensor resolution	500 dpi
Fingerprint-reader sensor pixel size	80 x 64

GPU—Integrated

The following table lists the specifications of the integrated Graphics Processing Unit (GPU) supported by your Inspiron 7506 2-in-1 Black.

Table 24. GPU—Integrated

Controller	Memory size	Processor
Intel Iris Xe Graphics	Shared system memory	11th Generation Intel Core i5/i7

GPU—Discrete

The following table lists the specifications of the discrete Graphics Processing Unit (GPU) supported by your Inspiron 7506 2-in-1 Black.

Table 25. GPU—Discrete

Controller	Memory size	Memory type
Intel Iris Xe MAX graphics	4 GB	LPDDR4x

Operating and storage environment

This table lists the operating and storage specifications of your Inspiron 7506 2-in-1 Black.

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

Table 26. Computer environment

Description	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 range	-15.2 m to 3048 m (-49.87 ft to 10,000 ft)	-15.2 m to 10668 m (-49.87 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.

Keyboard shortcuts

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

Some keys on your keyboard have two symbols on them. These keys can be used to type alternate characters or to perform secondary functions. The symbol shown on the lower part of the key refers to the character that is typed out when the key is pressed. If you press shift and the key, the symbol shown on the upper part of the key is typed out. For example, if you press **2**, **2** is typed out; if you press **Shift** + **2**, **@** is typed out.

The keys F1-F12 at the top row of the keyboard are function keys for multi-media control, as indicated by the icon at the bottom of the key. Press the function key to invoke the task represented by the icon. For example, pressing F1 mutes the audio (refer to the table below).

However, if the function keys F1-F12 are needed for specific software applications, multi-media functionality can be disabled by pressing **Fn** + **Esc**. Subsequently, multi-media control can be invoked by pressing **Fn** and the respective function key. For example, mute audio by pressing **Fn** + **F1**.

ⓘ **NOTE:** You can also define the primary behavior of the function keys (F1–F12) by changing **Function Key Behavior** in BIOS setup program.

Table 27. List of keyboard shortcuts

Function key	Re-defined key (for multi-media control)	Behavior
◁× F1	Fn + ◁× F1	Mute audio
◁ʼ F2	Fn + ◁ʼ F2	Decrease volume
◁)) F3	Fn + ◁)) F3	Increase volume
▷ǁ F4	Fn + ▷ǁ F4	Play/Pause
F5	Fn + F5	Toggle keyboard backlight (optional)
☼ F6	Fn + ☼ F6	Decrease brightness
☼ F7	Fn + ☼ F7	Increase brightness
F8	Fn + F8	Switch to external display
prt sc F10	Fn + prt sc F10	Print screen

Table 27. List of keyboard shortcuts (continued)

Function key	Re-defined key (for multi-media control)	Behavior
home F11	Fn + home F11	Home
end F12	Fn + end F12	End

The **Fn** key is also used with selected keys on the keyboard to invoke other secondary functions.

Table 28. List of keyboard shortcuts

Function key	Behavior
Fn + B	Pause/Break
Fn + insert	Sleep
Fn + H	Toggle between power and battery-status light
Fn + S	Toggle scroll lock
Fn + R	System request
Fn + ctrl	Open application menu
Fn + esc	Toggle Fn-key lock
Fn + page up	Page up
Fn + page down	Page down

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 29. Self-help resources

Self-help resources	Resource location
Information about Dell products and services	www.dell.com
My Dell app	
Tips	
Contact Support	In Windows search, type `Contact Support`, and press Enter.
Online help for operating system	www.dell.com/support/windows
Troubleshooting information, user manuals, set up instructions, product specifications, technical help blogs, drivers, software updates, and so on.	www.dell.com/support
Dell knowledge base articles for a variety of computer concerns	1. Go to www.dell.com/support. 2. On the menu bar at the top of the Support page, select **Support** > **Knowledge Base**. 3. In the Search field on the Knowledge Base page, type the keyword, topic, or model number, and then click or tap the search icon to view the related articles.
Learn and know the following information about your product: ● Product specifications ● Operating system ● Setting up and using your product ● Data backup ● Troubleshooting and diagnostics ● Factory and system restore ● BIOS information	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: ● Select **Detect Product**. ● Locate your product through the drop-down menu under **View Products**. ● Enter the **Service Tag number** or **Product ID** in 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/region and product, and some services may not be available in your country/region.

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