Inspiron 7500 2n1 Silver

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.**

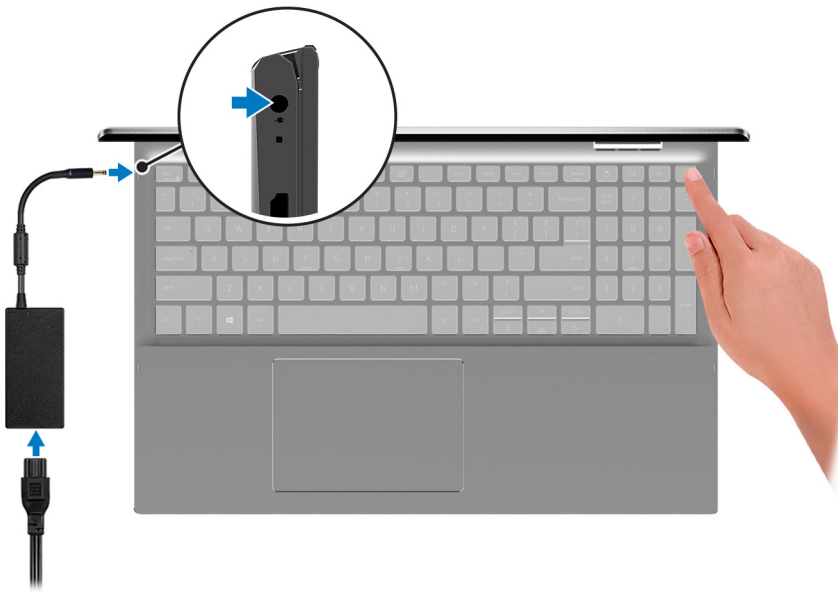⚠ **WARNING: A WARNING indicates a potential for property damage, personal injury, or death.**

Contents

Set up your Inspiron 7500 2n1 Silver

(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.
	SupportAssist Pro-actively 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.

Table 1. Locate Dell apps (continued)

Resources	Description
	ⓘ **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 7500 2n1 Silver

Topics:

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

5. **USB 3.2 Gen 1 (Type-C) port with Power Delivery and DisplayPort**

Connect peripherals such as external storage devices, printers, and external displays.

Supports Power Delivery that enables two-way power supply between devices. Provides up to 15 W power output that enables faster charging.

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

Base
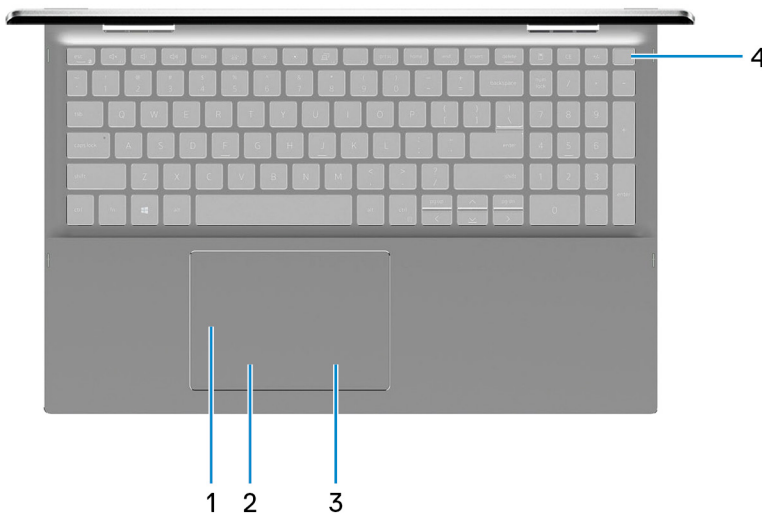
1. **Touchpad**

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

2. **Left-click area**

Press to left-click.

3. **Right-click area**

Press to right-click.

4. **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
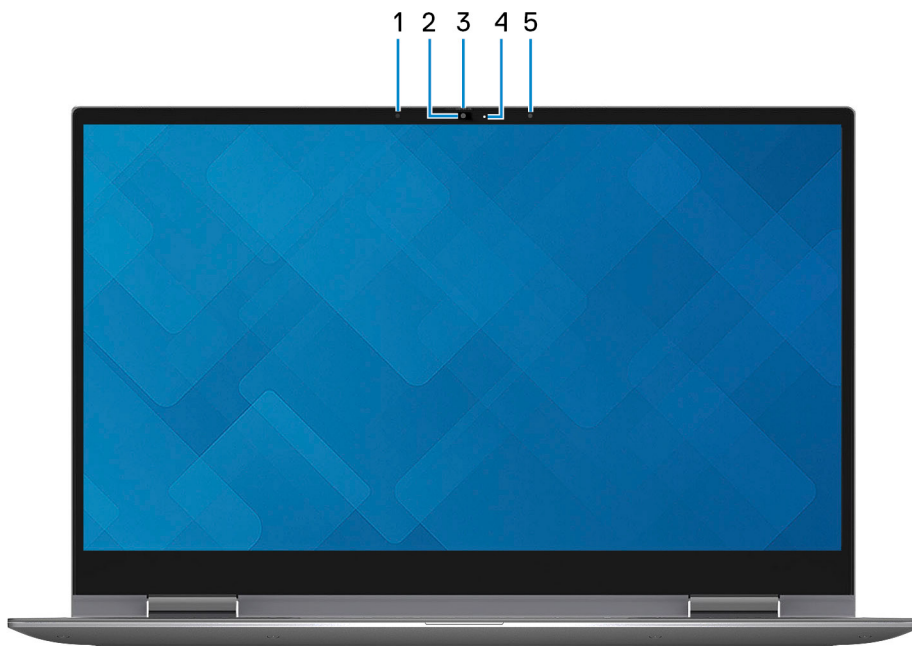
1. **Left microphone**

   Provides digital sound input for audio recording and voice calls.
2. **Camera**

   Enables you to video chat, capture photos, and record videos.
3. **Privacy shutter**

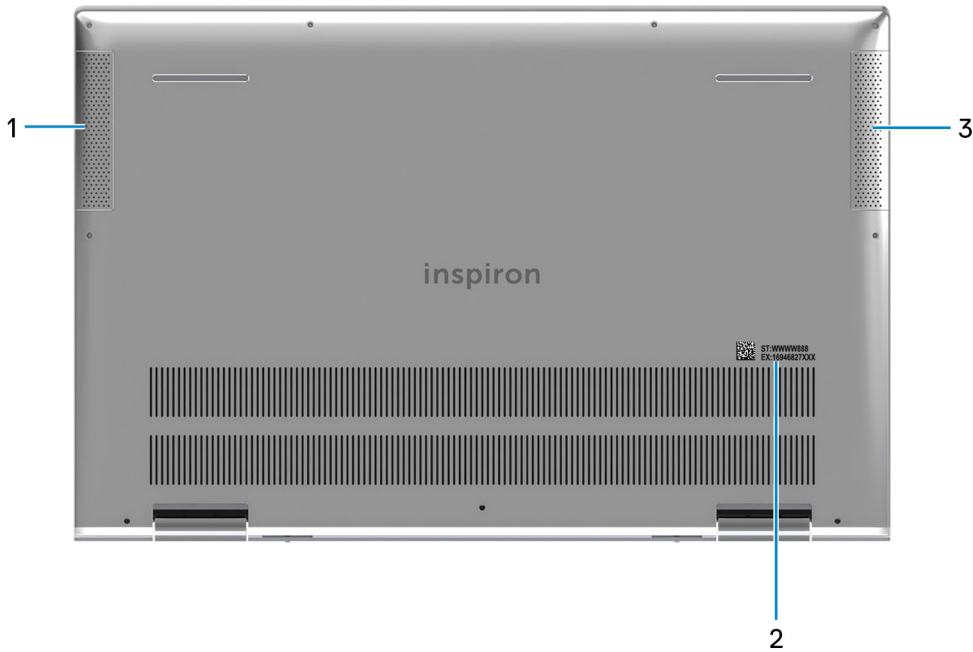   Slide the privacy shutter to cover the camera lens and protect your privacy when the camera is not in use.
4. **Camera-status light**

   Turns on when the camera is in use.
5. **Right 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.
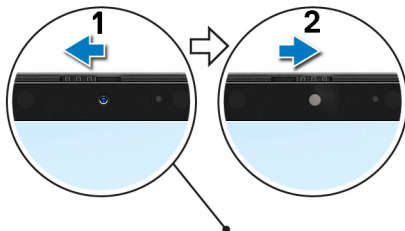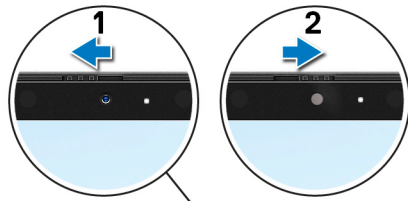
Modes

Notebook

Tablet

Stand

Tent

3

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 7500 2n1 Silver

Topics:

Dimensions and weight

The following table lists the height, width, depth, and weight of your Inspiron 7500 2n1 Silver.

Table 2. 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 7500 2n1 Silver.

Table 3. Processor

Description	Option one	Option two
Processor type	10th Generation Intel Core i5-1035G1	10th Generation Intel Core i7-1065G7
Processor wattage	15 W	15 W
Processor core count	4	4
Processor thread count	8	8
Processor speed	Up to 3.6 GHz	Up to 3.9 GHz
Processor cache	6 MB	8 MB
Integrated graphics	Intel UHD Graphics	Intel Iris Plus Graphics

Chipset

The following table lists the details of the chipset supported by your Inspiron 7500 2n1 Silver.

Table 4. Chipset

Description	Values
Chipset	Integrated in the processor
Processor	10th Generation Intel Core i5/i7
DRAM bus width	64-bit
Flash EPROM	16+8 MB
PCIe bus	Up to Gen3

Operating system

Your Inspiron 7500 2n1 Silver 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 7500 2n1 Silver.

Table 5. Memory specifications

Description	Values
Memory slots	Two-SODIMM slots
Memory type	DDR4

Table 5. Memory specifications (continued)

Description	Values
Memory speed	3200 MHz
Maximum memory configuration	16 GB
Minimum memory configuration	4 GB
Memory size per slot	4 GB, 8 GB, 12 GB, 16 GB
Memory configurations supported	• 4 GB DDR4 at 3200 MHz (1 x 4 GB) • 8 GB DDR4 at 3200 MHz (1 x 8 GB) • 8 GB DDR4 at 3200 MHz (2 x 4 GB), dual-channel • 12 GB DDR4 at 3200 MHz (1 x 4 GB + 1 x 8 GB) • 16 GB DDR4 at 3200 MHz (1 x 16 GB) • 16 GB DDR4 at 3200 MHz (2 x 8 GB), dual-channel

External ports

The following table lists the external ports on your Inspiron 7500 2n1 Silver.

Table 6. External ports

Description	Values
USB ports	• One USB 3.2 Gen 1 port • One USB 3.2 Gen 1 port • One USB 3.2 Gen 1 Type-C port with Power Delivery and DisplayPort
Audio port	One headset (headphone and microphone combo) port
Video port	One HDMI 1.4 b port
Media-card reader	One SD-card slot
Docking port	Not supported
Power-adapter port	One DC-in port, 4.5 mm x 2.9 mm
Security	Not supported

Internal slots

The following table lists the internal slots of your Inspiron 7500 2n1 Silver.

Table 7. 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 Memory/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 7500 2n1 Silver.

Table 8. 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)
Encryption	• 64-bit/128-bit WEP • AES-CCMP • TKIP
Bluetooth	Bluetooth 5

Audio

The following table lists the audio specifications of your Inspiron 7500 2n1 Silver.

Table 9. Audio specifications

Description		Values
Audio controller		Realtek ALC3204
Stereo conversion		Supported
Internal audio interface		High Definition Audio (HDA)
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 7500 2n1 Silver.

Your Inspiron 7500 2n1 Silver supports one of the following storage configurations:

· M.2 2230/2280 PCIe/NVMe solid-state drive
· M.2 2280 PCIe/NVMe Intel Optane Storage

The primary drive of your Inspiron 7500 2n1 Silver varies with the storage configuration. For computers with a M.2 drive, the M.2 drive is the primary drive

Table 10. 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
One M.2 2280 PCIe/NVMe SSD	PCIe NVMe Gen3 x4, up to 32 Gbps	Up to 2 TB
One M.2 2280 PCIe/NVMe Intel Optane Storage	PCIe Gen3 x4 NVMe	Up to 512 GB

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 11. 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 512 GB

ⓘ **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 7500 2n1 Silver.

Table 12. Media-card reader specifications

Description	Values
Media-card type	One SD-card slot
Media-cards supported	• Secure Digital (SD) • Secure Digital High Capacity (SDHC) • Secure Digital Extended Capacity (SDXC)

ⓘ **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 7500 2n1 Silver.

Table 13. Keyboard specifications

Description	Values
Keyboard type	Backlit keyboard
Keyboard layout	QWERTY
Number of keys	• United States and Canada: 101 keys • United Kingdom: 102
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. ⓘ **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 7500 2n1 Silver.

Table 14. Camera specifications

Description	Values
Number of cameras	One
Camera type	HD RGB camera
Camera location	Front

Table 14. Camera specifications (continued)

Description		Values
Camera sensor type		CMOS-sensor technology
Camera resolution:		
	Still image	0.92 megapixels
	Video	1280 x 720 (HD) at 30 fps
Diagonal viewing angle:		74.9 degrees

Touchpad

The following table lists the touchpad specifications of your Inspiron 7500 2n1 Silver.

Table 15. 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 7500 2n1 Silver.

Table 16. Power adapter specifications

Description		Values
Type		65 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)		3.34 A

Table 16. Power adapter specifications (continued)

Description	Values
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 7500 2n1 Silver.

Table 17. Battery specifications

Description	Values
Battery type	53 WHr, 4-cell "smart" lithium-ion
Battery voltage	15.20 VDC
Battery weight (maximum)	0.23 kg (0.51 lb)
Battery dimensions:	
Height	239.10 mm (9.41 in.)
Width	90.73 mm (3.57 in.)
Depth	5.75 mm (0.23 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)	4 hours (when the computer is off) (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/.**
Coin-cell battery	CR2032

Display

The following table lists the display specifications of your Inspiron 7500 2n1 Silver.

Table 18. Display specifications

Description	Values
Display type	Full High Definition (FHD)
Display-panel technology	Wide Viewing Angle (WVA)

Table 18. Display specifications (continued)

Description		Values
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		1920 x 1080
Luminance (typical)		300 nits
Megapixels		2
Color gamut		100% (sRGB)
Pixels Per Inch (PPI)		142
Contrast ratio (min)		600:1
Response time (max)		35 ms
Refresh rate		60 Hz
Horizontal view angle		85 +/- degrees
Vertical view angle		85 +/- degrees
Pixel pitch		0.18 mm
Power consumption (maximum)		4.20 W
Anti-glare vs glossy finish		Anti-glare
Touch options		Yes

Fingerprint reader

The following table lists the fingerprint-reader specifications of your Inspiron 7500 2n1 Silver.

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

Table 19. 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 7500 2n1 Silver.

Table 20. GPU—Integrated

Controller	External display support	Memory size	Processor
Intel UHD Graphics	One HDMI 1.4b port	Shared system memory	10th Generation Intel Core i5/i7
Intel Iris Plus Graphics	One HDMI 1.4b port	Shared system memory	10th Generation Intel Core i5/i7

GPU—Discrete

The following table lists the specifications of the discrete Graphics Processing Unit (GPU) supported by your Inspiron 7500 2n1 Silver.

Table 21. GPU—Discrete

Controller	External display support	Memory size	Memory type
NVIDIA GeForce MX 330	Not supported	2 GB	GDDR5

Operating and storage environment

This table lists the operating and storage specifications of your Inspiron 7500 2n1 Silver.

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

Table 22. 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% (noncondensing)	0% to 95% (noncondensing)
Vibration (maximum)*	0.66 GRMS	1.30 GRMS
Shock (maximum)	110 G†	160 G†
Altitude (maximum)	-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

(i) **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**.

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

Table 23. List of keyboard shortcuts

Function key	Re-defined key (for multi-media control)	Behavior
⊏×F1	Fn + ⊏×F1	Mute audio
⊏›F2	Fn + ⊏›F2	Decrease volume
⊏»)F3	Fn + ⊏»)F3	Increase volume
▷‖F4	Fn + ▷‖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 23. 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 24. 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 25. 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.

(i) **NOTE: Availability varies by country/region and product, and some services may not be available in your country/region.**

(i) **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.**