

# Inspiron 16 5645

## Owner's Manual

LaptopVANG.com

<b>Chapter 1: Views of Inspiron 16 5645</b> .....	<b>7</b>
Right.....	7
Left.....	7
Top.....	8
Front.....	9
Bottom.....	10
Service Tag.....	11
Battery charge and status light .....	11
<b>Chapter 2: Set up your Inspiron 16 5645</b> .....	<b>12</b>
<b>Chapter 3: Specifications of Inspiron 16 5645</b> .....	<b>14</b>
Dimensions and weight.....	14
Processor.....	14
Chipset.....	15
Operating system.....	15
Memory.....	15
External ports.....	16
Internal slots.....	16
Wireless module.....	16
Audio.....	17
Storage.....	17
Media-card reader.....	18
Keyboard.....	18
Keyboard function keys.....	19
Camera.....	20
Touchpad.....	20
Power adapter.....	21
Battery.....	22
Display.....	23
Fingerprint reader (optional).....	24
Sensor .....	24
GPU—Integrated.....	24
External display support.....	24
Hardware security.....	25
Operating and storage environment.....	25
Dell support policy.....	25

# Views of Inspiron 16 5645

## Right



Figure 1. Right view

### 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. Universal audio port

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

### 3. USB 3.2 Gen 1 (5 Gbps) port

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

### 4. Security-cable slot (wedge-shaped)

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

## Left



Figure 2. Left view

### 1. Power-adaptor port

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

### 2. Battery-status light

Indicates the battery-charge status.

- Solid yellow-Battery charge is low.
- Blinking yellow-Battery charge is critical.

### 3. HDMI 1.4 port

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

### 4. USB 3.2 Gen 1 (5 Gbps) port

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

### 5. USB 3.2 Gen 2 (10 Gbps) Type-C with DisplayPort 1.4 and Power Delivery port

Connect devices 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.

## Top



Figure 3. Top view

#### 1. Privacy shutter

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

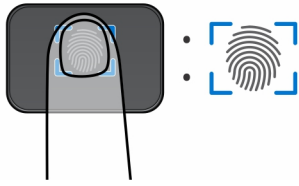
#### 2. Power button with optional fingerprint reader

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 a sleep state.

Press and hold the power button for 10 seconds to force shut-down the computer.

If the power button has a fingerprint reader, place your finger on the power button steadily 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 the power-button behavior in Windows.

### 3. Touchpad

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

## Front



**Figure 4. Front view**

#### 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. Display**

Provides visual output.

## Bottom



**Figure 5. Bottom view**

**1. Right 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. Air vents**

Air vents provide ventilation for your computer. Clogged air vents can cause overheating and can affect your computer's performance and potentially cause hardware issues. Keep the air vents clear of obstructions and clean them regularly to prevent the build-up of dust and dirt. For more information about cleaning air vents, search for articles in the Knowledge Base Resource at [Dell Support Site](#).

**4. Left speaker**

Provides audio output.

# 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.

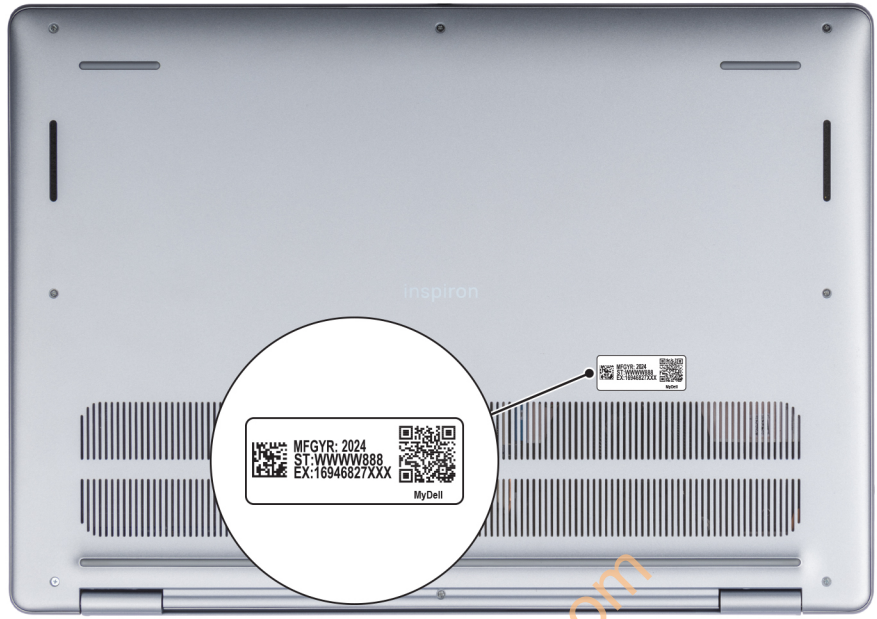


Figure 6. Service Tag location

# Battery charge and status light

The following table lists the battery charge and status light behavior of your Inspiron 16 5645.

Table 1. Battery charge and status light behavior

Power Source	LED Behavior	System Power State	Battery Charge Level
AC Adapter	Off	S0 - S5	Fully Charged
AC Adapter	Solid White	S0 - S5	< Fully Charged
Battery	Off	S0 - S5	11-100%
Battery	Solid Amber (590+/-3 nm)	S0 - S5	< 10%

- S0 (ON) - System is turned on.
- S4 (Hibernate) - The system consumes the least power compared to all other sleep states. The system is almost at an OFF state, except for a trickle power. The context data is written to a hard drive.
- S5 (OFF) - The system is in a shutdown state.

# Set up your Inspiron 16 5645

## About this task

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

## Steps

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 the operating system setup.

### For Windows:

Follow the on-screen instructions to complete the setup. When setting up, Dell Technologies 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 2. Locate Dell apps in Windows**

Resources	Description
	<p><b>My Dell</b></p> <p>MyDell is a software application that offers you a single streamlined engagement platform including account access, device information, and hardware settings. This software delivers intelligent features that automatically fine-tune your computer for the best possible audio, power, and performance. Get the most out of your Dell device with intelligent, personalized technology from MyDell. Following are the key features of MyDell:</p> <ul style="list-style-type: none"> <li>● Application</li> <li>● Audio</li> <li>● Power</li> <li>● Color and Display</li> <li>● Presence detection</li> </ul> <p>For more information about how to use MyDell, see product guides at <a href="#">Dell Support Site</a>.</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 about using Dell Update, see the product guides and third-party license documents at <a href="#">Dell Support Site</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 about using Dell Digital Delivery, search in the Knowledge Base Resource at <a href="#">Dell Support Site</a>.</p>
	<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="#">SupportAssist for Home PCs</a>.</p> <p><b>NOTE:</b> In SupportAssist, click the warranty expiry date to renew or upgrade your warranty.</p>

# Specifications of Inspiron 16 5645

## Dimensions and weight

The following table lists the height, width, depth, and weight of your Inspiron 16 5645.

**Table 3. Dimensions and weight**

Description	Values
Height:	
Front height	16.18 mm (0.64 in.)
Rear height	17.37 mm (0.68 in.)
Maximum height	19.05 mm (0.75 in.)
Width	356.78 mm (14.05 in.)
Depth	249.52 mm (9.82 in.)
Weight <i>i</i> <b>NOTE:</b> The weight of your computer depends on the configuration that is ordered and manufacturing variability.	<ul style="list-style-type: none"> <li>• Minimum: 1.87 kg (4.12 lb)</li> <li>• Maximum: 1.93 kg (4.25 lb)</li> </ul>

## Processor

The following table lists the details of the processors that are supported for your Inspiron 16 5645.

**Table 4. Processor**

Description	Option one	Option two
Processor type	AMD Ryzen 5 8540U	AMD Ryzen 7 8840U
Processor wattage	15 W	15 W
Processor core count	6	8
Processor thread count	12	16
Processor speed	3.20 GHz to 4.90 GHz	3.30 GHz to 5.10 GHz
Processor cache	16 MB	16 MB
Integrated graphics	AMD Radeon 740M Graphics	AMD Radeon 780M Graphics

# Chipset

The following table lists the details of the chipset that is supported for your Inspiron 16 5645.

**Table 5. Chipset**

Description	Values
Chipset	Integrated
Processor	AMD Ryzen series
DRAM bus width	64-bit
Flash EPROM	32 MB
PCIe bus	Up to Gen4

# Operating system

Your Inspiron 16 5645 supports the following operating systems:

- Windows 11 Home
- Windows 11 Home National Academic
- Windows 11 Pro
- Windows 11 Pro National Academic

# Memory

The following table lists the memory specifications of your Inspiron 16 5645.

**Table 6. Memory specifications**

Description	Values
Memory slots	Two SODIMM
Memory type	DDR5
Memory speed	5600 MT/s
Maximum memory configuration	32 GB
Minimum memory configuration	8 GB
Memory size per slot	8 GB or 16 GB
Memory configurations supported	<ul style="list-style-type: none"><li>• 8 GB: 1 x 8 GB, DDR5, 5600 MT/s, single-channel</li><li>• 16 GB: 2 x 8 GB, DDR5, 5600 MT/s, dual-channel</li><li>• 24 GB: 1 x 8 GB + 1 x 16 GB, DDR5, 5600 MT/s, dual-channel</li><li>• 32 GB: 2 x 16 GB, DDR5, 5600 MT/s, dual-channel</li></ul>

## External ports

The following table lists the external ports on your Inspiron 16 5645.

**Table 7. 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 USB 3.2 Gen 2 (10 Gbps) Type-C with DisplayPort 1.4 and PowerDelivery port</li> </ul>
Audio port	One Universal audio port
Video port/ports	One HDMI 1.4 port
Media-card reader	One SD-card slot
Power-adaptor port	One power-adaptor port
Security-cable slot	One wedge-shaped lock slot

## Internal slots

The following table lists the internal slots of your Inspiron 16 5645.

**Table 8. Internal slots**

Description	Values
M.2	<ul style="list-style-type: none"> <li>One M.2 2230 slot for Wi-Fi and Bluetooth combo card</li> <li>One M.2 2230 slot for 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="#">Dell Support Site</a>.</p>


## Wireless module

The following table lists the Wireless Local Area Network (WLAN) modules that are supported on your Inspiron 16 5645.

**Table 9. Wireless module specifications**

Description	Option one	Option two
Model number	Realtek RTL8852BE	Realtek RTL8852CE
Transfer rate	1.20 Gbps	2.40 Gbps
Frequency bands supported	2.4 GHz/5 GHz	2.4 GHz/5 GHz/6 GHz
Wireless standards	<ul style="list-style-type: none"> <li>Wi-Fi 802.11a/b/g</li> <li>Wi-Fi 4 (Wi-Fi 802.11n)</li> <li>Wi-Fi 5 (Wi-Fi 802.11ac)</li> <li>Wi-Fi 6 (Wi-Fi 802.11ax)</li> </ul>	<ul style="list-style-type: none"> <li>Wi-Fi 802.11a/b/g</li> <li>Wi-Fi 4 (Wi-Fi 802.11n)</li> <li>Wi-Fi 5 (Wi-Fi 802.11ac)</li> <li>Wi-Fi 6E (Wi-Fi 802.11ax)</li> </ul>
Encryption	<ul style="list-style-type: none"> <li>64-bit/128-bit WEP</li> <li>AES-CCMP</li> </ul>	<ul style="list-style-type: none"> <li>64-bit/128-bit WEP</li> <li>AES-CCMP</li> </ul>

**Table 9. Wireless module specifications (continued)**

Description	Option one	Option two
	<ul style="list-style-type: none"> <li>TKIP</li> </ul>	<ul style="list-style-type: none"> <li>TKIP</li> </ul>
Bluetooth wireless card	Bluetooth 5.3	Bluetooth 5.3
	 <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 5645.

**Table 10. Audio specifications**

Description	Values	
Audio controller	Realtek ALC3254	
Stereo conversion	Supported	
Internal audio interface	High-definition audio interface	
External audio interface	One Universal audio port	
Number of speakers	2 W per channel	
Internal-speaker amplifier	Supported (Audio codec integrated)	
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 16 5645.

Your Inspiron 16 5645 supports only one M.2 2230 solid-state drive.

**Table 11. Storage specifications**

Storage type	Interface type	Capacity
M.2 2230 PCIe NVMe Class 25 solid-state drive	Gen 4 PCIe NVMe	Up to 1 TB
M.2 2230 PCIe NVMe Class 35 solid-state drive	Gen 4 PCIe NVMe	Up to 1 TB

## Media-card reader

The following table lists the media cards that are supported on your Inspiron 16 5645.

**Table 12. 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 that is supported by the media-card reader varies depending on the standard of the media card that is installed on your computer.</p>	

## Keyboard

The following table lists the keyboard specifications of your Inspiron 16 5645.

**Table 13. Keyboard specifications**

Description	Values
Keyboard type	Standard AI hotkey backlit keyboard
Keyboard layout	QWERTY
Number of keys	<p>Midnight Blue chassis:</p> <ul style="list-style-type: none"> <li>English (International), English (US), Arabic, Canada (Bilingual), Chinese (Traditional), Greek, Hebrew, Korean: 99 keys</li> <li>English (UK), German, Nordic (MUI), Slovenian: 100 keys</li> <li>Japanese: 103 keys</li> </ul> <p>Ice Blue chassis:</p> <ul style="list-style-type: none"> <li>English (International), English (US), Greek, Korean, Thai: 99 keys</li> <li>English (UK), Belgian, French (European), German, Italian, Nordic (MUI), Spanish (Castilian), Spanish (Latin America), Swiss/European (MUI), Turkish: 100 keys</li> <li>Japanese: 103 keys</li> </ul>
Keyboard size	<p>X= 18.70 mm key pitch</p> <p>Y= 18.05 mm key pitch</p>
Keyboard shortcuts	<p>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.</p> <p><b>NOTE:</b> You can define the primary behavior of the function keys (F1–F12) changing <b>Function Key Behavior</b> in BIOS setup program.</p>

# Keyboard function keys

**NOTE:** Keyboard characters may differ depending on the keyboard language configuration. Keys that are 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 that is 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 that is 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 multimedia control, as indicated by the icon on the key. Press the function key to invoke the task represented by the icon. For example, pressing F1 mutes the audio (see the table below).

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

**Table 14. Primary behavior of function keys**

Function key	Primary behavior
F1	Mute/unmute audio
F2	Decrease audio volume
F3	Increase audio volume
F4	Play or pause media file
F5	Turn on or turn off keyboard backlight
F6	Decrease display brightness
F7	Increase display brightness
F8	Switch to an external display
F10	Print screen (screen capture)
F11	Move cursor to the beginning of the line
F12	Move cursor to the end of the line

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

**Table 15. Secondary behavior**

Function key	Secondary behavior
fn + F1	Operating system and application-specific F1 behavior
fn + F2	Operating system and application-specific F2 behavior
fn + F3	Operating system and application-specific F3 behavior
fn + F4	Operating system and application-specific F4 behavior
fn + F5	Operating system and application-specific F5 behavior
fn + F6	Operating system and application-specific F6 behavior
fn + F8	Operating system and application-specific F8 behavior
fn + F9	Operating system and application-specific F9 behavior
fn + F10	Operating system and application-specific F10 behavior
fn + F11	Operating system and application-specific F11 behavior
fn + F12	Operating system and application-specific F12 behavior
fn + B	Pause or Break

**Table 15. Secondary behavior (continued)**

Function key	Secondary behavior
fn + S	Toggle scroll lock
fn + R	System request
fn + Copilot	Open the application menu
fn + Esc	Toggles the function key on and off
fn + PgUp	Scroll up the document or page
fn + PgDn	Scroll down the document or page
fn + left arrow	Home (move to the beginning of the document)
fn + right arrow	End (move to the end of the document)

## Camera

The following table lists the camera specifications of your Inspiron 16 5645.

**Table 16. Camera specifications**

Description	Values
Number of cameras	One
Camera type	RGB FHD camera
Camera location	Front
Camera sensor type	CMOS sensor technology
Camera resolution:	
Still image	2.07 megapixel
Video	1920 x 1080 (FHD at 30 fps)
Diagonal viewing angle:	82.20 degrees

## Touchpad

The following table lists the touchpad specifications of your Inspiron 16 5645.

**Table 17. Touchpad specifications**

Description	Values
Touchpad resolution:	
Horizontal	305
Vertical	305
Touchpad dimensions:	
Horizontal	115 mm (4.52 in.)
Vertical	80 mm (3.15 in.)




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

Description	Values
Touchpad gestures	For more information about touchpad gestures available on Windows, see the Microsoft Knowledge Base article at <a href="#">Microsoft Support Site</a> .

## Power adapter

The following table lists the power adapter specifications of your Inspiron 16 5645.




**Table 18. Power adapter specifications**

Description	Values
Type	65 W
Connector dimensions:	
External diameter	4.50 mm
Internal diameter	2.90 mm
Power-adapter dimensions:	
Height	28 mm (1.10 in.)
Width	47 mm (1.85 in.)
Depth	108 mm (4.25 in.)
Power-adapter weight (maximum)	0.29 kg (0.64 lb)
Input voltage	100 VAC–240 VAC
Input frequency	50 Hz–60 Hz
Input current (maximum)	1.70 A
Output current (continuous)	3.34 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)
 <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 5645.

**Table 19. Battery specifications**

Description		Option one	Option two
Battery type		4-cell, 54 Wh, Lithium Ion Polymer, ExpressCharge Capable	4-cell, 64 Wh, Lithium Ion Polymer, ExpressCharge Capable
Battery voltage		15 VDC	15.20 VDC
Battery weight (maximum)		0.24 kg (0.53 lb)	0.27 kg (0.60 lb)
Battery dimensions:			
	Height	5.75 mm (0.22 in.)	5.75 mm (0.22 in.)
	Width	271.90 mm (10.66 in.)	271.90 mm (10.66 in.)
	Depth	82 mm (3.22 in.)	82 mm (3.22 in.)
Temperature range:			
	Operating	0°C to 50°C (32°F to 122°F)	0°C to 50°C (32°F to 122°F)
	Storage	-20°C to 60°C (-4°F to 140°F)	-20°C to 60°C (-4°F to 140°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="#">Dell Support Site</a> .		<ul style="list-style-type: none"> <li>• 3 hr (Standard charge)</li> <li>• 2 hr (Express charge )</li> </ul>	<ul style="list-style-type: none"> <li>• 3 hr (Standard charge)</li> <li>• 2 hr (Express charge )</li> </ul>
Coin-cell battery		N/A	N/A
 <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 Technologies recommends that you charge the battery regularly for optimal power consumption. If your battery charge is 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 5645.

**Table 20. Display specifications**

Description		Option one	Option two	Option three
Display type		16" Full High Definition Plus (FHD+) with ComfortView	16" Full High Definition Plus (FHD+) with ComfortView Plus	16" Full High Definition Plus (FHD+) with ComfortView Plus
Touch options		No	No	Yes
Display-panel technology		Wide Viewing Angle (WVA)	Wide Viewing Angle (WVA)	Wide Viewing Angle (WVA)
Display-panel dimensions (active area):				
	Height	344.68 mm ( 13.57 in.)	344.68 mm ( 13.57 in.)	344.68 mm ( 13.57 in.)
	Width	215.42 mm (8.48 in.)	215.42 mm (8.48 in.)	215.42 mm (8.48 in.)
	Diagonal	406.46 mm (16 in.)	406.46 mm (16 in.)	406.46 mm (16 in.)
Display-panel native resolution		1920 x 1200	1920 x 1200	1920 x 1200
Luminance (typical)		250 nits	300 nits	300 nits
Megapixels		2.30 M	2.30 M	2.30 M
Color gamut		45% NTSC (typical)	100% sRGB (typical)	100% sRGB (typical)
Pixels Per Inch (PPI)		141	141	141
Contrast ratio (typical)		<ul style="list-style-type: none"> <li>● 1000:1 (typical)</li> <li>● 800:1 (minimum)</li> </ul>	<ul style="list-style-type: none"> <li>● 1200:1 (typical)</li> <li>● 1000:1 (minimum)</li> </ul>	<ul style="list-style-type: none"> <li>● 1200:1 (typical)</li> <li>● 1000:1 (minimum)</li> </ul>
Response time (maximum)		35 ms	35 ms	35 ms
Refresh rate		60 Hz	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>	<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>	<ul style="list-style-type: none"> <li>● +/- 85 degrees, typical</li> <li>● +/- 80 degrees, minimum</li> </ul>
Pixel pitch		0.18 mm	0.18 mm	0.18 mm
Power consumption (maximum)		4.20 W	4.40 W	4.73 W
Anti-glare vs glossy finish		Anti-Glare	Anti-Glare	Glossy

## Fingerprint reader (optional)

The following table lists the specifications of the optional fingerprint-reader of your Inspiron 16 5645.

**Table 21. Fingerprint reader specifications**

Description	Values
Fingerprint-reader sensor technology	Capacitive
Fingerprint-reader sensor resolution	500 dpi
Fingerprint-reader sensor pixel size	108 mm x 88 mm

## Sensor

The following table lists the sensor of your Inspiron 16 5645.

**Table 22. Sensor**

Sensor support
Accelerometer

## GPU—Integrated

The following table lists the specifications of the integrated Graphics Processing Unit (GPU) supported by your Inspiron 16 5645.


**Table 23. GPU—Integrated**

Controller	Memory size	Processor
AMD Radeon 740M/780M Graphics	Shared system memory	AMD Ryzen 5 8540U/7 8840U

## External display support

The following table lists the external display support for your Inspiron 16 5645.

**Table 24. External display support**

Graphics card	Supported external displays with laptop display enabled	Supported external displays with laptop display disabled
AMD Radeon 740M/780M Graphics	2	2
 <b>NOTE:</b> For more information about external display support, see the <i>External Display Connection Guide</i> on <a href="#">Dell Support Site</a> .		

# Hardware security

The following table lists the hardware security of your Inspiron 16 5645.

**Table 25. Hardware security**

<b>Hardware security</b>
Wedge-shaped lock
Trusted Platform Module (TPM) 2.0
Windows Hello - Fingerprint Reader (optional)
Camera shutter

# Operating and storage environment

This table lists the operating and storage specifications of your Inspiron 16 5645.

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

**Table 26. Computer environment**

Description	Operating	Storage
Temperature range	0 °C–35°C (32 °F–95°F)	-40°C to 65°C (-40°F to 149°F)
Relative humidity (maximum)	10% to 90% (non-condensing)	5% 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 10,668 m (-49.87 ft to 35,000 ft)

**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.