

# Vostro 5402

## Setup and specifications guide

## 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 computer

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



**NOTE:** To conserve battery power, the battery might enter power-saving mode. Connect the power adapter and press the power button to turn on the computer.

2. Finish operating system setup.

#### For Ubuntu:

Follow the on-screen instructions to complete the setup. For more information about installing and configuring Ubuntu, search in the Knowledge Base Resource at [Dell Support Site](#).

#### 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 1. Locate Dell apps**

Resources	Description
	<b>Dell Product Registration</b> Register your computer with Dell.

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

Resources	Description
	<p><b>Dell Help &amp; Support</b></p> <p>Access help and support for your computer.</p>
	<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>
	<p><b>SupportAssist</b></p> <p>SupportAssist keeps your computer running at its best by optimizing settings, detecting issues, and removing viruses. It also notifies when updates are available for your computer. SupportAssist proactively checks the health of your computer hardware and software. When an issue is detected, the necessary system state information is sent to Dell to begin troubleshooting. SupportAssist is preinstalled on most of the Dell devices running the Windows operating system. For more information, see SupportAssist documentation at <a href="#">Dell Support Site</a>.</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 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 pre-installed on your computer. For more information about using Dell Digital Delivery, see the Knowledge Base Resource at <a href="#">Dell Support Site</a>.</p>

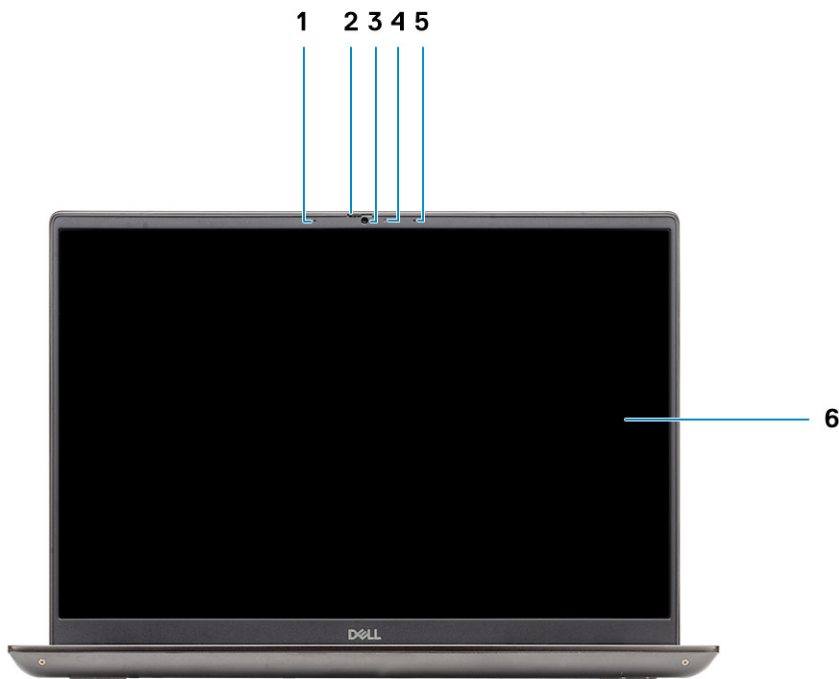
## Chassis overview

### Topics:

- Display view
- Left view
- Right view
- Palm-rest view
- Bottom view
- Keyboard shortcuts

## Display view

 **CAUTION:** The maximum operating angle for the display-panel hinge is 135 degrees.



1. Microphone
2. Camera shutter
3. Camera
4. Camera-status light
5. Microphone

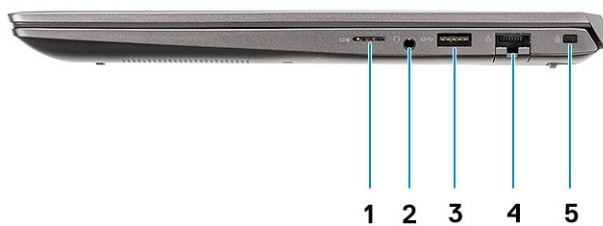
## 6. Display

### Left view



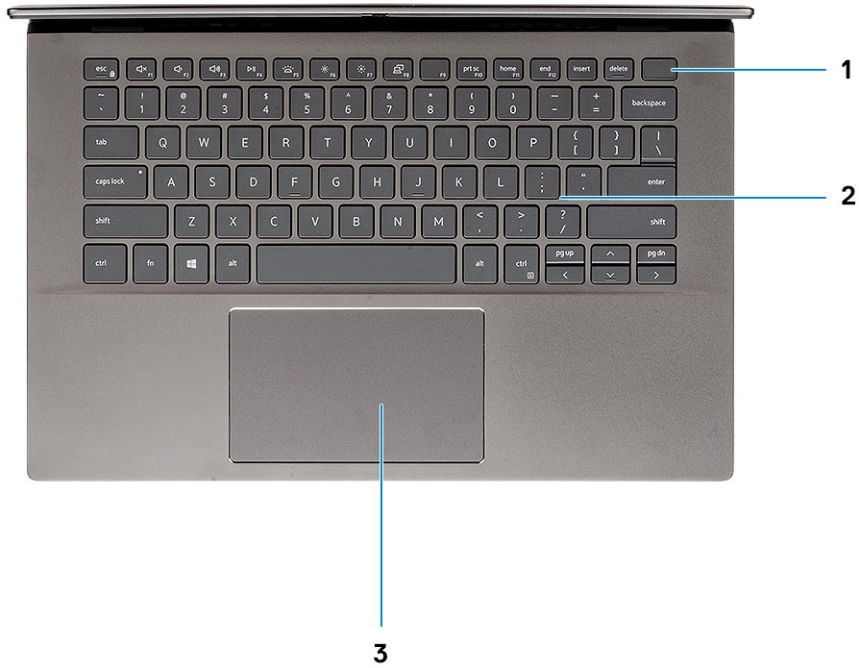
1. Power connector port
2. Power LED
3. HDMI 1.4b port
4. USB 3.2 Gen 1 Type-A port
5. USB 3.2 Gen 2 Type-C port with DisplayPort alt mode/Power Delivery

### Right view



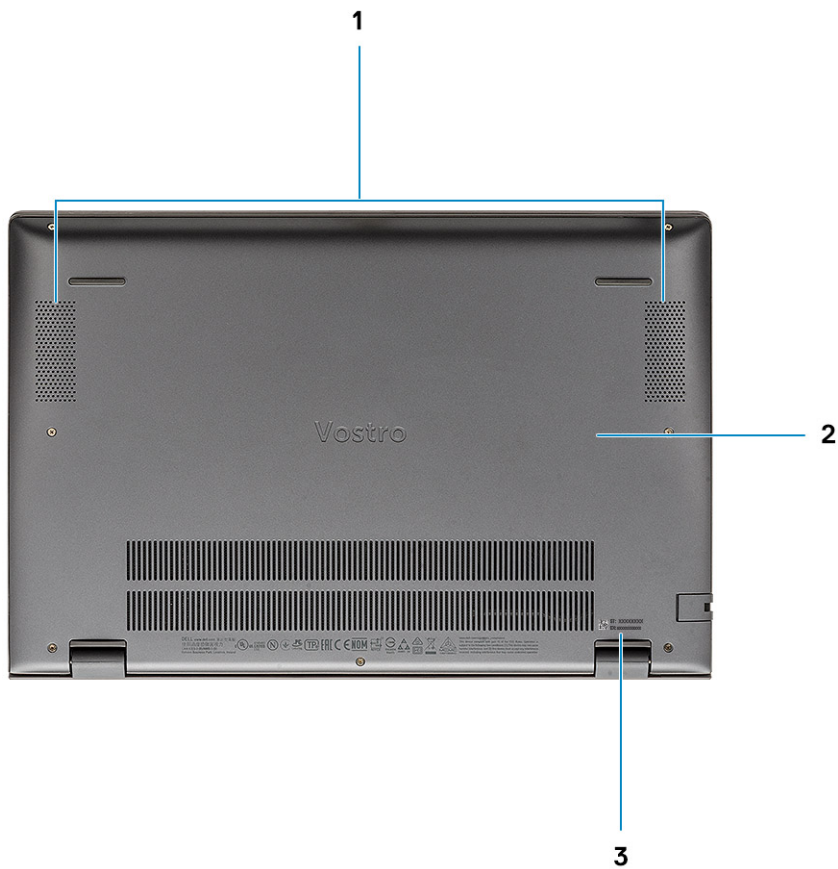
1. microSD card reader
2. Universal audio Jack port
3. USB 3.2 Gen 1 Type-A port
4. Network port
5. Wedge-shaped lock slot

## Palm-rest view



1. Power button with optional fingerprint reader
2. Keyboard
3. Touchpad

## Bottom view



1. Speakers
2. Base cover
3. Service tag label


## Keyboard shortcuts

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

**Table 2. List of keyboard shortcuts**

Keys	Description
Fn + Esc	Toggle Fn-key lock
Fn + F1	Mute audio
Fn + F2	Decrease volume
Fn + F3	Increase volume
Fn + F4	Play/Pause
Fn + F5	Keyboard backlight

**Table 2. List of keyboard shortcuts (continued)**

<b>Keys</b>	<b>Description</b>
	 <b>NOTE:</b> Not applicable for non-backlight keyboard.
Fn + F6	Decrease screen brightness
Fn + F7	Increase screen brightness
Fn + F8	External display
Fn + F10	Print Screen
Fn + F11	Home
Fn + F12	End
Fn + Right Ctrl	Opens application menu

# System specifications

**NOTE:** Offerings may vary by region. The following specifications are only those required by law to ship with your computer. For more information about the configuration of your computer, go to **Help and Support** in your Windows operating system and select the option to view information about your computer.

## Topics:

- Processor
- Chipset
- Operating system
- Memory
- Storage
- Ports and connectors
- Audio
- Video
- Camera
- Communications
- Media-card reader
- Power adapter
- Battery
- Dimensions and weight
- Display
- Keyboard
- Touchpad
- Fingerprint reader (optional)
- Security
- Security Software
- Computer environment

## Processor

The following table lists the details of the processors that are supported in your Vostro 5402.

**Table 3. Processor**

Description	Option one	Option two	Option three
Processor type	11 <sup>th</sup> Generation Intel Core i3-115G4	11 <sup>th</sup> Generation Intel Core i5-1135G7	11 <sup>th</sup> Generation Intel Core i7-1165G7
Processor wattage	15 W	15 W	15 W
Processor core count	2	4	4
Processor thread count	4	8	8
Processor speed	3 GHz to 4.1 GHz	2.4 GHz to 4.2 GHz	2.8 GHz to 4.7 GHz
Processor cache	8 MB	8 MB	12 MB
Integrated graphics	Intel UHD Graphics	Intel Iris X <sup>e</sup> Graphics	Intel Iris X <sup>e</sup> Graphics

# Chipset

The following table lists the details of the chipset that is supported by your Vostro 5402

**Table 4. Chipset**

Description	Values
Chipset	Integrated
Processor	11 <sup>th</sup> Generation Intel Core i3/i5/i7 Processors
DRAM bus width	64-bit
Flash EPROM	16 MB / 8 MB
PCIe bus	Up to Gen 3

# Operating system

Your Vostro 5402 supports the following operating systems:

- Windows 11 Home, 64-bit
- Windows 11 Home National Academic, 64-bit
- Windows 11 Pro, 64-bit
- Windows 11 Pro National Academic, 64-bit
- Windows 10 Pro, 64-bit
- Ubuntu 18.04 LTS, 64-bit

# Memory

**Table 5. Memory specifications**

Description	Values
Slots	Two SO-DIMM slots
Type	DDR4
Speed	3200 MHz
Maximum memory	32 GB
Minimum memory	4 GB
Configurations supported	<ul style="list-style-type: none"><li>• 4 GB, 1 x 4 GB, DDR4, 3200 MHz</li><li>• 8 GB, 1 x 8 GB, DDR4, 3200 MHz</li><li>• 8 GB, 2 x 4 GB, Dual-Channel DDR4, 3200 MHz</li><li>• 12 GB, 1 x 4 GB + 1 x 8 GB, DDR4, 3200 MHz</li><li>• 16 GB, 1 x 16 GB, DDR4, 3200 MHz</li><li>• 16 GB, 2 x 8 GB, Dual-Channel DDR4, 3200 MHz</li><li>• 32 GB, 2 x 16 GB, Dual-Channel DDR4, 3200 MHz</li></ul>

# Storage

Your computer supports one of the following configurations:

- M.2 drive x1
- M.2 drive x2

The primary drive of your computer varies with the storage configuration. For computers with two M.2 drives, the SSD-1 M.2 drive is the primary drive.

The primary drive of your computer varies with the storage configuration. For computers with two M.2 drives, the SSD-1 M.2 drive is the primary drive.

**NOTE:**

Vostro 5402 supports the following storage configurations:

- M.2 slot one: One PCIe Gen3 x4 NVMe solid-state drive (M.2 2230 or M.2 2280).
- M.2 slot two: One PCIe Gen3 x4 NVMe or SATA solid-state drive (M.2 2230 or M.2 2280) or one Intel Optane Memory H10 with solid state storage.

**Table 6. Storage specifications**

Storage type	Interface type	Capacity
M.2 2230 solid-state drive	Gen 3 PCIe x4 NVMe	128 GB, 256 GB, 512 GB
M.2 2280 solid-state drive	Gen 3 PCIe x4 NVMe	256 GB, 512 GB, 1 TB, 2 TB
M.2 2280, PCIe QLC NVMe, solid-state drive	Gen 3 PCIe x4 NVMe	512 GB
M.2 2280, PCIe NVMe, Intel Optane Storage	Gen 3 PCIe x4 NVMe	512 GB

## Ports and connectors

**Table 7. External ports and connectors**

Description	Values
<b>External:</b>	
Network	One RJ-45 port 10/100/1000 Mbps
USB	<ul style="list-style-type: none"> <li>• One USB 3.2 Gen 2 Type-C port with DisplayPort alt mode/Power Delivery</li> <li>• Two USB 3.2 Gen 1 Type-A ports</li> </ul>
Audio	One Universal audio Jack
Video	One HDMI 1.4b port
Media card reader	One microSD card reader
Docking port	USB dock either type-C or legacy type-A
Power adapter port	One 4.50 mm x 2.90 mm power-adapter port
Security	One wedge-shaped lock

**Table 8. Internal ports and connectors**

Description	Values
<b>Internal:</b>	
M.2	<ul style="list-style-type: none"> <li>• One M.2 2230 slot for Wi-Fi and Bluetooth card</li> <li>• One slot for PCIe Gen3 x4 NVMe solid-state drive (M.2 2230 or M.2 2280)</li> </ul>

**Table 8. Internal ports and connectors (continued)**

Description	Values
	<ul style="list-style-type: none"> <li>One slot for PCIe Gen3 x4 NVMe or SATA solid-state drive (M.2 2230 or M.2 2280) or Intel Optane Memory H10 with Solid State Storage</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> <p><b>NOTE:</b> The hybrid Optane SSD can only be installed in SSD slot two and does not support dual TG.</p>

## Audio

**Table 9. Audio specifications**

Description	Values
Controller	Realtek ALC3204
Stereo conversion	Supported
Internal interface	High definition audio
External interface	Universal Audio Jack
Speakers	Two
Internal speaker amplifier	Supported (audio codec integrated)
External volume controls	Keyboard shortcut controls
Speaker output:	
Average	2 W
Peak	2.5 W
Subwoofer output	Not supported
Microphone	Dual-array microphones

## Video

**Table 10. Discrete graphics specifications**

Discrete graphics		
Controller	Memory size	Memory Type
NVIDIA GeForce MX330	2 GB	GDDR5
NVIDIA GeForce MX350	2 GB	GDDR5

**Table 11. Integrated graphics specifications**

Integrated graphics		
Controller	Memory size	Processor
Intel UHD Graphics	Shared system memory	11 <sup>th</sup> Generation Intel Core i3
Intel Iris X <sup>e</sup> Graphics	Shared system memory	11 <sup>th</sup> Generation Intel Core i5/i7

## Camera

**Table 12. Camera specifications**

Description	Values
Number of cameras	One
Type	HD RGB camera
Location	Front camera
Sensor type	CMOS sensor technology
Resolution:	
Still image	0.92 megapixel
Video	1280 x 720 (HD) at 30 fps
Diagonal viewing angle	74.90 degrees

## Communications

### Ethernet

**Table 13. Ethernet specifications**

Description	Values
Model number	Realtek RTL8111
Transfer rate	10/100/1000 Mbps

### Wireless module

**Table 14. Wireless module specifications**

Description	Values		
Model number	Intel Wireless-AC 9462	Intel Wi-Fi 6 AX201	Qualcomm QCA61x4A
Transfer rate	Up to 433 Mbps	Up to 2400 Mbps	Up to 867 Mbps
Frequency bands supported	2.4 GHz/5 GHz	2.4 GHz/5 GHz	2.4 GHz/5 GHz
Wireless standards	<ul style="list-style-type: none"> <li>Wi-Fi 802.11a/b/g</li> </ul>	<ul style="list-style-type: none"> <li>Wi-Fi 802.11a/b/g</li> </ul>	<ul style="list-style-type: none"> <li>Wi-Fi 802.11a/b/g</li> </ul>

**Table 14. Wireless module specifications (continued)**

Description	Values		
	<ul style="list-style-type: none"> <li>• Wi-Fi 4 (Wi-Fi 802.11n)</li> <li>• Wi-Fi 5 (Wi-Fi 802.11ac)</li> </ul>	<ul style="list-style-type: none"> <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 802.11n</li> <li>• Wi-Fi 802.11ac</li> </ul>
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>	<ul style="list-style-type: none"> <li>• 64-bit/128-bit WEP</li> <li>• AES-CCMP</li> <li>• TKIP</li> </ul>
Bluetooth	Bluetooth 5.0	Bluetooth 5.1	Bluetooth 5.0

## Media-card reader

**Table 15. Media-card reader specifications**

Description	Values
Type	One microSD card
Cards supported	Secure Digital (SD)

## Power adapter

**Table 16. Power adapter specifications**

Description	Values	
Type	45 W	65 W
Diameter (connector)	4.50 mm x 2.90 mm	4.50 mm x 2.90 mm
Input voltage	100 VAC x 240 VAC	100 VAC x 240 VAC
Input frequency	50 Hz x 60 Hz	50 Hz x 60 Hz
Input current (maximum)	1.30 A	1.6 A / 1.7 A
Output current (continuous)	2.31 A (continuous)	3.34 A (continuous)
Rated output voltage	19.50 VDC	19.50 VDC
Temperature range:		
Operating	0°C to 40°C (32°F to 104°F)	0°C to 40°C (32°F to 104°F)
Storage	-40°C to 70°C (-40°F to 158°F)	-40°C to 70°C (-40°F to 158°F)

## Battery

**Table 17. Battery specifications**

Description	Values	
Type	40 WHr, 3-Cell Smart Lithium-ion	53 WHr, 4-cell Smart Lithium-ion

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


Description		Values	
Voltage		11.25 VDC	15.0 VDC
Weight (maximum)		0.18 kg (0.40 lb)	0.24 kg (0.53 lb)
Dimensions:			
	Height	5.75 mm (0.23 in.)	5.75 mm (0.23 in.)
	Width	184.10 mm (7.25 in.)	239.10 mm (9.41 in.)
	Depth	90.73 mm (3.57 in.)	90.73 mm (3.57 in.)
Temperature range:			
	Operating	0°C to 35°C (32°F to 95°F)	0°C to 35°C (32°F to 95°F)
	Storage	-40°C to 65°C (-40°F to 149°F)	-40°C to 65°C (-40°F to 149°F)
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.
Charging time (approximate)		4 hours (when the computer is off) <i>i</i> <b>NOTE:</b> You can 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> .	4 hours (when the computer is off) <i>i</i> <b>NOTE:</b> You can 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> .
Coin-cell battery		2032	2032
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.

## Dimensions and weight

**Table 18. Dimensions and weight**

Description		Values
Height:		
	Front	16.74 mm (0.65 in.)
	Rear	17.90 mm (0.70 in.)
Width		321.30 mm (12.64 in.)
Depth		216.20 mm (8.51 in.)
Weight		1.41 kg (3.10 lb)

**Table 18. Dimensions and weight (continued)**

Description	Values
	 <b>NOTE:</b> The weight of your computer depends on the configuration ordered and the manufacturing variability.

## Display

**Table 19. Display specifications**

Description	Values	
Type	Full High Definition (FHD)	Full High Definition (FHD)
Panel technology	Wide Viewing Angle (WVA)	Wide Viewing Angle (WVA)
Luminance (typical)	300 Nits	220 Nits
Dimensions (Active area):		
	Height	173.99 mm (6.85 in.)
	Width	309.35 mm (12.18 in.)
	Diagonal	355.60 mm (14 in.)
Native resolution	1920 x 1080	1920 x 1080
Megapixels	2.0736	2.0736
Color gamut	72% NTSC typical	45% NTSC typical
Pixels per inch (PPI)	157	157
Contrast ratio (min)	600:1	500:1
Response time (max)	35 ms	35 ms
Refresh rate	60 Hz	60 Hz
Horizontal view angle	80 min	80 min
Vertical view angle	80 min	80 min
Pixel pitch	0.161 x 0.161 mm	0.161 x 0.161 mm
Power consumption (maximum)	4.5 W	3.5 W
Anti-glare vs glossy finish	Anti-glare	Anti-glare
Touch options	No	No

# Keyboard

**Table 20. Keyboard specifications**

Description	Values
Type	<ul style="list-style-type: none"><li>• Standard keyboard</li><li>• Backlit keyboard</li></ul>
Layout	QWERTY
Number of keys	<ul style="list-style-type: none"><li>• United States and Canada: 81 keys</li><li>• United Kingdom: 82 keys</li><li>• Japan: 85 keys</li></ul>
Size	X=18.7 mm key pitch Y=18.05 mm key pitch

# Touchpad

The following table lists the touchpad specifications of your Vostro 5402.

**Table 21. Touchpad specifications**

Description	Values
Touchpad resolution:	
Horizontal	3438
Vertical	2170
Touchpad dimensions:	
Horizontal	115 mm (4.53 in.)
Vertical	70 mm (2.76 in.)
Touchpad gestures	For more information about the touchpad gestures available on Windows, see the Microsoft Knowledge Base article at <a href="#">Microsoft Support Site</a> .

# Fingerprint reader (optional)

The following table lists the specifications of the optional fingerprint-reader.

**Table 22. Fingerprint reader specifications**

Description	Values
Sensor technology	Capacitive
Sensor resolution	500 PPI
Sensor area	4.06 mm x 3.25 mm
Sensor pixel size	80 x 64 Pixels

# Security

**Table 23. Security specifications**

Features	Specifications
Trusted Platform Module (TPM) 2.0	Integrated on system board
Fingerprint reader	Optional
Wedge-shaped lock slot	Standard

# Security Software

**Table 24. Security Software specifications**

Specifications
McAfee Small Business Security 30-day Trial
McAfee Small Business Security 12-month subscription, Digitally Delivered
McAfee Small Business Security 24-month subscription, Digitally Delivered
McAfee Small Business Security 36-month subscription, Digitally Delivered

# Computer environment

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

**Table 25. 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 (maximum)	-15.2 m to 3048 m (4.64 ft to 5518.4 ft)	-15.2 m to 10668 m (4.64 ft to 19234.4 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.

# Getting help and contacting Dell Technologies

## Self-help resources

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


**Table 26. Self-help resources**

Self-help resources	Resource location
Information about Dell Technologies products and services	<a href="#">Dell Site</a>
MyDell app	
Tips	
Contact Support	In Windows search, type <code>Contact Support</code> , and press Enter.
Online help for operating system	<a href="#">Windows Support Site</a>
Access top solutions, diagnostics, drivers and downloads, and learn more about your computer through videos, manuals, and documents.	Your Dell Technologies computer is uniquely identified using a Service Tag or Express Service Code. To view relevant support resources for your Dell Technologies computer, enter the Service Tag or Express Service Code at <a href="#">Dell Support Site</a> . For more information about how to find the Service Tag for your computer, see <a href="#">Instructions on how to find your Service Tag or Serial Number</a> .
Dell Technologies knowledge base articles	<ol style="list-style-type: none"> <li>1. Go to <a href="#">Dell Support Site</a>.</li> <li>2. On the menu bar at the top of the Support page, select <b>Support &gt; Support Library</b>.</li> <li>3. In the Search field on the Support Library page, type the keyword, topic, or model number, and then click or tap the search icon to view the related articles.</li> </ol>

## Contacting Dell Technologies

To contact Dell Technologies for sales, technical support, or customer service issues, see [Contact Support at Dell Support Site](#).

 **NOTE:** Availability of the services may vary depending on the country or region, and product.

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