

# Vostro 3582 (without optical drive)

## 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

## Steps


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

 **NOTE:** To conserve battery power, the battery might enter power saving mode.





2. Finish Windows system setup.

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




- Connect to a network for Windows updates.
  -  **NOTE:** If connecting to a secured wireless network, enter the password for the wireless network access when prompted.
- If connected to the internet, sign-in with or create a Microsoft account. If not connected to the internet, create an offline account.
- On the **Support and Protection** screen, enter your contact details.

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

**Table 1. Locate Dell apps**

Dell apps	Details
	<p><b>Dell Product Registration</b> Register your computer with Dell.</p>
	<p><b>Dell Help &amp; Support</b> Access help and support for your computer.</p>

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

Dell apps	Details
	<p><b>SupportAssist</b></p> <p>Proactively checks the health of your computer’s hardware and software.</p> <p><b>i</b> <b>NOTE:</b> Renew or upgrade your warranty by clicking the warranty expiry date in SupportAssist.</p>
	<p><b>Dell Update</b></p> <p>Updates your computer with critical fixes and important device drivers as they become available.</p>
	<p><b>Dell Digital Delivery</b></p> <p>Download software applications including software that is purchased but not pre-installed on your computer.</p>

4. Create recovery drive for Windows.

**i** **NOTE:** It is recommended to create a recovery drive to troubleshoot and fix problems that may occur with Windows.

For more information, see [Create a USB recovery drive for Windows](#).

# Create a USB recovery drive for Windows

Create a recovery drive to troubleshoot and fix problems that may occur with Windows. An empty USB flash drive with a minimum capacity of 16 GB is required to create the recovery drive.

## Prerequisites

**NOTE:** This process may take up to an hour to complete.

**NOTE:** The following steps may vary depending on the version of Windows installed. Refer to the [Microsoft support site](#) for latest instructions.

## Steps

1. Connect the USB flash drive to your computer.
2. In Windows search, type **Recovery**.
3. In the search results, click **Create a recovery drive**.  
The **User Account Control** window is displayed.
4. Click **Yes** to continue.  
The **Recovery Drive** window is displayed.
5. Select **Back up system files to the recovery drive** and click **Next**.
6. Select the **USB flash drive** and click **Next**.  
A message appears, indicating that all data in the USB flash drive will be deleted.
7. Click **Create**.
8. Click **Finish**.  
For more information about reinstalling Windows using the USB recovery drive, see the *Troubleshooting* section of your product's *Service Manual* at [www.dell.com/support/manuals](http://www.dell.com/support/manuals).

# Chassis overview

## Topics:

- [Display view](#)
- [Left view](#)
- [Right view](#)
- [Palmrest view](#)
- [Bottom view](#)

## Display view

1. Camera
2. Camera-status light
3. Microphone
4. Display

## Left view

1. Power adapter port
2. Battery status light
3. HDMI port
4. Network port
5. USB 3.1 Gen 1 ports (2)
6. Headset port

## Right view

1. SD card reader
2. USB 2.0 port
3. Security-cable slot

## Palmrest view

1. Power button
2. Keyboard
3. Touchpad

## Bottom view

1. Speakers
2. Base cover
3. Service Tag label
4. Air vent

# Keyboard shortcuts

**NOTE:** Keyboard characters may differ depending on the keyboard language configuration. Keys 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 previous
Fn + F5	Play / Pause
Fn + F6	Play next
Fn + F8	Switch to external display
Fn + F9	Search
Fn + F11	Decrease brightness
Fn + F12	Increase brightness
Fn + PrtScr	Turn on/off wireless
Fn + Ctrl	Open application menu

# Technical 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:

- [System information](#)
- [Processor](#)
- [Memory](#)
- [Storage](#)
- [Storage combinations](#)
- [Audio](#)
- [Media card-reader](#)
- [Camera](#)
- [Wireless](#)
- [Ports and connectors](#)
- [Video card](#)
- [Display](#)
- [Keyboard](#)
- [Operating system](#)
- [Touchpad](#)
- [Battery](#)
- [Power adapter](#)
- [Dimensions and weight](#)
- [Computer environment](#)
- [Security](#)
- [Security Software](#)

## System information

**Table 3. System information**

Feature	Specifications
Chipset	Intel Chipset
DRAM bus width	64-bit
FLASH EPROM	16 MB
PCIe bus	100 Mhz

## Processor

**NOTE:** Processor numbers are not a measure of performance. Processor availability is subject to change and may vary by region/country.

**Table 4. Processor specifications**

Type	UMA Graphics
Intel Pentium Silver N5000 (4M Smart Cache, up to 2.6 GHz)	Intel UHD Graphics 605
Intel Celeron Processor N4000 (2M Smart Cache, up to 2.6 GHz)	Intel UHD Graphics 600

## Memory

**Table 5. Memory specifications**

Feature	Specifications
Minimum memory configuration	4 GB
Maximum memory configuration	8 GB
Number of slots	One SoDIMM
Memory options	<ul style="list-style-type: none"> <li>• 4 GB - 1 x 4 GB</li> <li>• 8 GB - 1 x 8 GB</li> </ul>
Type	DDR4
Speed	2400 MHz

## Storage

**Table 6. Storage specifications**

Type	Form factor	Interface	Capacity
Solid-State Drive	M.2	M.2 SSD	Up to 256 GB
HDD	2.5 inch	SATA	Up to 2 TB

## Storage combinations

**Table 7. Storage combinations**

Primary/Boot drive	Secondary drive
1 x M.2 SSD	1 x 2.5 inch Drive
1 x 2.5 inch HDD	None

## Audio

**Table 8. Audio specifications**

Feature	Specifications
Controller	Realtek ALC3204 with Waves MaxxAudio Pro

**Table 8. Audio specifications (continued)**

Feature	Specifications
Type	Two-channel high-definition audio
Speakers	Two (Directional speakers)
Interface	Intel HDA bus
Internal speaker amplifier	2 W (RMS) per channel

## Media card-reader

**Table 9. Media card-reader specifications**

Feature	Specifications
Type	One SD card slot
Supported cards	<ul style="list-style-type: none"> <li>• SD</li> <li>• SDHC</li> <li>• SDXC</li> </ul>

## Camera

**Table 10. Camera specifications**

Feature	Specifications
Resolution	<ul style="list-style-type: none"> <li>• Still image: 0.92 megapixels (HD)</li> <li>• Video: 1280x720 (HD) at 30 fps</li> </ul>
Diagonal viewing angle	78.6°
Number of cameras	One front camera
Type	HD fixed focus
Sensor type	CMOS sensor technology
Video Max resolution	1280x720 (HD) at 30 fps
Still image max resolution	0.92 megapixel (HD)

## Wireless

**Table 11. Wireless specifications**

Feature	Specifications
Type	<ul style="list-style-type: none"> <li>• Qualcomm QCA9565, DW1707 802.11bgn (1x1) WiFi + Bluetooth 4.0</li> <li>• Qualcomm QCA9377, DW1810 802.11ac Dual Band (1x1) WiFi + Bluetooth 4.1</li> <li>• Qualcomm QCA61x4A, DW1820 802.11ac Dual Band (2x2) WiFi + Bluetooth 4.1</li> <li>• Intel 9560 - 802.11ac 2x2 WiFi &amp; BT 5.0</li> <li>• Intel 9462 - 802.11ac 1x1 WiFi &amp; BT 5.0</li> </ul>

**Table 11. Wireless specifications (continued)**

Feature	Specifications
Maximum transfer rate	867 Mbps
Frequency bands	2.4 GHz/5 GHz
Encryption	<ul style="list-style-type: none"> <li>• 64-bit/128-bit WEP</li> <li>• AES-CCMP</li> <li>• TKIP</li> </ul>

## Ports and connectors

**Table 12. Ports and connectors**

Features	Specifications
Memory card reader	SD 3.0 memory card reader
USB	<ul style="list-style-type: none"> <li>• One USB 2.0 port</li> <li>• Two USB 3.1 Gen 1 port</li> </ul>
Security	wedge lock slot
Docking port	Dell USB 3.0 Dock (UNO)
Audio	<ul style="list-style-type: none"> <li>• Universal audio jack</li> <li>• Noise reduction array microphone</li> </ul>
Video	HDMI 1.4b
Network adapter	One RJ-45 connector

## Video card

**Table 13. Video card specifications**

Controller	Type	CPU Dependency	Graphics memory type	Capacity	External display support	Maximum resolution
Intel UHD Graphics 600	UMA	Intel Celeron N4000 processor	Integrated	Shared system memory	HDMI 1.4b	1920 x 1080
Intel UHD Graphics 605	UMA	Intel Pentium Silver N5000 processor	Integrated	Shared system memory	HDMI 1.4b	1920 x 1080

## Display

**Table 14. Display specifications**

Feature	Specifications
Type	<ul style="list-style-type: none"> <li>• 15.6-inch HD (WXGA 1366x768) non-touch display</li> <li>• 15.6-inch FHD (1920 x 1080) non-touch display</li> </ul>

**Table 14. Display specifications (continued)**

Feature	Specifications
Height (Active area)	<ul style="list-style-type: none"> <li>• 344.22 mm (13.55 in)</li> <li>• 344.16 mm (13.54 in)</li> </ul>
Width (Active area)	<ul style="list-style-type: none"> <li>• 193.62 mm (7.62 in)</li> <li>• 193.59 mm (7.62 in)</li> </ul>
Diagonal	396.24 mm (15.60 in)
Luminance/Brightness (typical)	400 nits max
Refresh rate	60 Hz
Horizontal viewing angle (min)	+/- 40 degrees
Vertical viewing angle (min)	+10/- 30 degrees

## Keyboard

**Table 15. Keyboard specifications**

Feature	Specifications
Number of keys	<ul style="list-style-type: none"> <li>• 103 (U.S)</li> <li>• 102 (UK)</li> <li>• 104 (Brazil)</li> <li>• 105 (Japan)</li> </ul>
Size	Full sized <ul style="list-style-type: none"> <li>• X= 19.00 mm key pitch</li> <li>• Y= 19.00 mm key pitch</li> </ul>
Backlit keyboard	Optional
Layout	QWERTY/AZERTY/Kanji

## Operating system

**Table 16. Operating system**

Feature	Specifications
Operating systems supported	<ul style="list-style-type: none"> <li>• Windows 10 Home (64 bit)</li> <li>• Windows 10 Pro (64 bit)</li> <li>• Ubutnu</li> </ul>

## Touchpad

**Table 17. Touchpad specifications**

Feature	Specifications
Resolution	1219 x 919

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

Feature	Specifications
Dimensions	<ul style="list-style-type: none"> <li>Width: 4.13 inch (105 mm)</li> <li>Height: 3.14 inch (80 mm)</li> </ul>
Multi-touch	Supports five fingers

## Battery

**Table 18. Battery specifications**

Feature	Specifications						
Type	Prismatic/Polymer 3-cell 42 WHr						
Dimension	<table border="1"> <tr> <td>Width</td> <td>175.37 mm (6.9 in)</td> </tr> <tr> <td>Depth</td> <td>90.73 mm (3.57 in)</td> </tr> <tr> <td>Height</td> <td>5.9 mm (0.24 in)</td> </tr> </table>	Width	175.37 mm (6.9 in)	Depth	90.73 mm (3.57 in)	Height	5.9 mm (0.24 in)
Width	175.37 mm (6.9 in)						
Depth	90.73 mm (3.57 in)						
Height	5.9 mm (0.24 in)						
Weight (maximum)	0.2 kg (0.44 lb )						
Voltage	11.4 VDC						
Life span	300 discharge / charge cycles						
Charging time when the computer is off (approximate)	Standard charge	0°C to 60°C : 4 hours					
	Express Charge	0°C to 35°C : 4 hours 16°C to 45°C : 2 hours 46°C to 60°C : 3 hours					
Operating time	Varies depending on operating conditions and can significantly reduce under certain power-intensive conditions						
Temperature range: Operating	0°C to 35°C (32°F to 95°F)						
Temperature range: Storage	-20°C to 65°C (-40°F to 149°F)						
Coin-cell battery	CR 2032						

## Power adapter

**Table 19. Power adapter specifications**

Feature	Specifications
Type	<ul style="list-style-type: none"> <li>45 W (UMA)</li> <li>65 W (Discrete)</li> </ul>
Input Voltage	100 VAC - 240 VAC
Input current (maximum)	<ul style="list-style-type: none"> <li>1.3 A for 45 W</li> <li>1.7 A for 65 W</li> </ul>
Input frequency	50 Hz to 60 Hz

**Table 19. Power adapter specifications (continued)**

Feature	Specifications
Output current	<ul style="list-style-type: none"> <li>• 2.31 A for 45 W</li> <li>• 3.34 A for 65 W</li> </ul>
Rated output voltage	19.5 VDC
Temperature range (Operating)	0°C to 40° C (32°F to 104°F)
Temperature range (Non-Operating)	40°C to 70°C (-40°F to 158°F)

## Dimensions and weight

**Table 20. Dimensions and weight**

Feature	Specifications
Height	19.89 mm to 20 mm (0.783 inch to 0.787 inch)
Width	380 mm (14.96 inch)
Depth	258 mm (10.15 inch)
Weight	2 kg to 2.28 kg (4.4 lb to 5.02 lb )

## Computer environment

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

**Table 21. Computer environment**

	Operating	Storage
Temperature range	0°C to 40°C (32°F to 104°F)	-40°C to 65°C (-40°F to 149°F)
Relative humidity (maximum)	10% to 90% (non-condensing) <i>i</i> <b>NOTE:</b> Maximum dew point temperature = 26°C	0% to 95% (non-condensing) <i>i</i> <b>NOTE:</b> Maximum dew point temperature = 33°C
Vibration (maximum)	0.66 GRMS	1.30 GRMS
Shock (maximum)	140 G †	160 G‡
Altitude (maximum)	0 m to 3048 m (0 ft to 10,000 ft)	0 m to 10,668 m (0 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.

‡ Measured using a 2 ms half-sine pulse when the hard-drive head is in parked position.

# Security

**Table 22. Security specifications**

<b>Feature</b>	<b>Specifications</b>
Trusted Platform Module (TPM) 2.0	Integrated on the system board
Discrete TPM	Integrated on the system board
Windows Hello Support	Optional
Cable cover	Optional
Chassis intrusion switch	Optional
Chassis lock slot and loop support	Optional

# Security Software

**Table 23. Security Software specifications**

<b>Feature</b>	<b>Specifications</b>
Dell Endpoint Security Suite Enterprise	Optional
Dell Data Guardian	Optional
Dell Encryption (Enterprise or Personal)	Optional
Dell Threat Defense	Optional
RSA SecurID Access	Optional
RSA NetWitness Endpoint	Optional
MozyPro or MozyEnterprise	Optional
VMware Airwatch/WorkspaceONE	Optional
Absolute Data & Device Security	Optional

# Software

This chapter details the supported operating systems along with instructions on how to install the drivers.


## Topics:

- [Downloading drivers](#)

## Downloading drivers

### Steps

1. Turn on the notebook.
2. Go to **Dell.com/support**.
3. Click **Product Support**, enter the Service Tag of your notebook, and then click **Submit**.

 **NOTE:** If you do not have the Service Tag, use the auto detect feature or manually browse for your notebook model.

4. Click **Drivers and Downloads**.
5. Select the operating system installed on your notebook.
6. Scroll down the page and select the driver to install.
7. Click **Download File** to download the driver for your notebook.
8. After the download is complete, navigate to the folder where you saved the driver file.
9. Double-click the driver file icon and follow the instructions on the screen.


# Getting help

## Topics:

- [Contacting Dell](#)

## Contacting Dell

### Prerequisites

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

### About this task

Dell provides several online and telephone-based support and service options. Availability varies by country and product, and some services may not be available in your area. To contact Dell for sales, technical support, or customer service issues:

### Steps

1. Go to **Dell.com/support**.
2. Select your support category.
3. Verify your country or region in the **Choose a Country/Region** drop-down list at the bottom of the page.
4. Select the appropriate service or support link based on your need.