# Vostro 3405

Setup and specifications guide

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### 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.

MARNING: 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.
  - i 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
	Dell Product Registration
	Deli Froduct Registration
	Register your computer with Dell.
	Dell Help & Support
	Access help and support for your computer.

Table 1. Locate Dell apps (continued)

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

**4.** Create recovery drive for Windows.

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**

- i 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.
- 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.

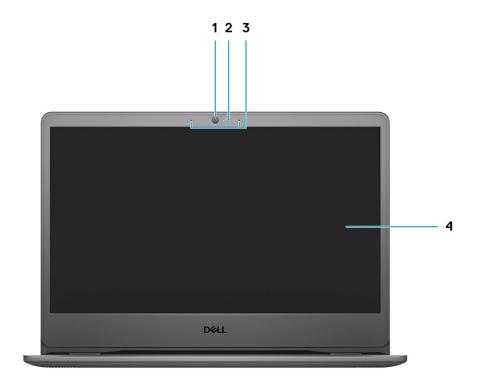
For more information about reinstalling Windows using the USB recovery drive, see the *Troubleshooting* section of your product's *Service Manual* at www.dell.com/support/manuals.

# **Chassis overview**

### Topics:

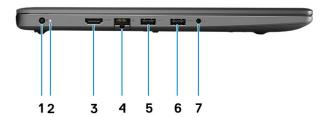
- Display view
- Left view
- · Right view
- Palmrest view
- Bottom view
- Keyboard shortcuts

# **Display view**



- 1. RGB camera
- 2. Camera Status Light
- 3. Microphones
- 4. LCD panel

## **Left view**



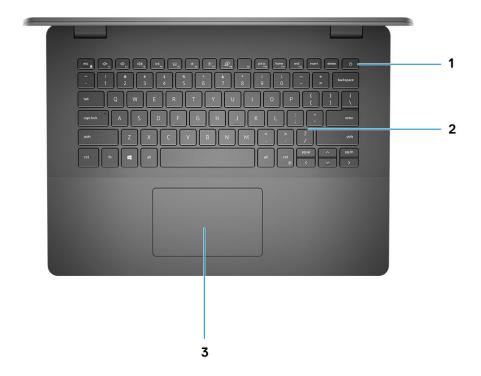
- 1. Power connector port
- 2. Diagnostics LED LIght
- **3.** HDMI port
- 4. Network port
- 5. USB Type-A 3.2 Gen 1 port
- 6. USB Type-A 3.2 Gen 1 port
- 7. Universal Audio Jack

# Right view



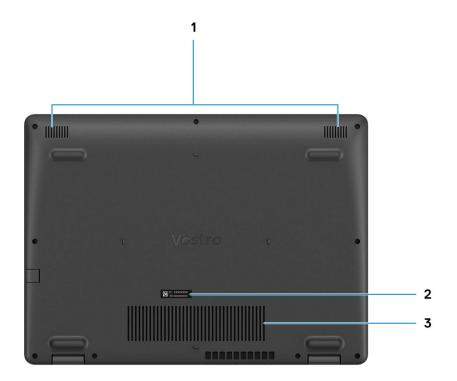
- 1. SD-card reader
- 2. USB Type-A 2.0 Gen 1 Charging port
- 3. Wedge-shaped lock slot

## **Palmrest view**



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

## **Bottom view**



- 1. Speakers
- 2. Service Tag label
- 3. Fan vents

# **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	Primary behavior
Fn + Esc	Toggle Fn-key lock
Fn + F1	Mute audio
Fn + F2	Decrease volume
Fn + F3	Increase volume
Fn + F4	Play/Pause
Fn + F5	Turn on/off keyboard backlight

Table 2. List of keyboard shortcuts (continued)

Keys	Primary behavior
Fn + F6	Decrease brightness
Fn + F7	Increase brightness
Fn + F8	Switch to external display
Fn + F10	Print screen
Fn + F11	Home
Fn + 12	End
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:**

- Processors
- Chipset
- Operating system
- Memory
- Ports and connectors
- System board connectors
- Storage
- · Media-card reader
- Audio
- Video
- · Camera
- Communications
- Battery
- · Power adapter
- · Dimensions and weight
- Touchpad
- Display
- Keyboard
- · Fingerprint reader in Power Button
- · Sensor and control specifications
- · Computer environment

### **Processors**

#### Table 3. Processors

Description				Values		
Processors	AMD Athlon Silver 3050U	AMD Athlon Gold 3150U	AMD Ryzen 3 3250U	AMD Ryzen 5 3450U	AMD Ryzen 5 3500U	AMD Ryzen 7 3700U
Wattage	15 W	15 W	15 W	15 W	15 W	15 W
Core count	2	2	2	4	4	4
Thread count	2	4	4	8	8	8
Speed	Up to 3.2 GHz	Up to 3.3 GHz	Up to 3.5 GHz	Up to 3.5 GHz	Up to 3.7 GHz	Up to 4.0 GHz
Cache	4 MB	4 MB	4 MB	4 MB	4 MB	4 MB
Integrated graphics	AMD Radeon Graphics	AMD Radeon Graphics	AMD Radeon Graphics	AMD Radeon Vega 8 Graphics	AMD Radeon Vega 8 Graphics	AMD Radeon Vega 10 Graphics

# Chipset

#### Table 4. Chipset

Description	Values		
Chipset	Integrated	Integrated	
Processor	AMD Athlon series	AMD Ryzen series	
Flash EPROM	16 MB	16 MB	
PCle bus	Up to Gen 3	Up to Gen 3	

# **Operating system**

- Windows 10 Home (64-bit)
- Windows 10 Professional (64-bit)

## **Memory**

#### Table 5. Memory specifications

Description	Values	
Slots	Two SODIMM	
Туре	DDR4	
Speed	• 2400 MHz	
Maximum memory	16 GB	
Minimum memory	4 GB	
Configurations supported	<ul> <li>4 GB, 1 x 4 GB, DDR4, 2400MHz, SO-DIMM</li> <li>8 GB, 2 x 4 GB, DDR4, 2400MHz, SO-DIMM</li> <li>8 GB, 1 x 8 GB, DDR4, 2400MHz, SO-DIMM</li> <li>12 GB, 1x8 GB + 1x4 GB, DDR4, 2400MHz, SO-DIMM</li> <li>16 GB, 2 x 8 GB, DDR4, 2400MHz, SO-DIMM</li> <li>16 GB, 1 x 16 GB, DDR4, 2400MHz, SO-DIMM</li> </ul>	

## Ports and connectors

Table 6. External ports and connectors

Description	Values
External:	
Network	One RJ 45 10/100 Mbps
USB	<ul><li>Two USB 3.2 Gen1 Type-A ports</li><li>One USB 2.0 Type-A port</li></ul>
Audio	One Universal Audio Jack

### Table 6. External ports and connectors (continued)

Description	Values
Video	One HDMI 1.4 port
Power adapter port	4.5 mm barrel-type
Security	One Wedge shaped lock slot
Card slot	One SD card slot

#### Table 7. Internal ports and connectors

Description	Values
Internal:	
One M.2 Key-M (2280 or 2230) for solid-state drive One M.2 2230 Key-E for WLAN	<ul> <li>One M.2 2230 slot for Wi-Fi</li> <li>One M.2 slot for 2230/2280 solid-state drive</li> <li>One M.2 3042 slot for WWAN</li> <li>i) NOTE: To learn more about the features of different types of M.2 cards, see the knowledge base article SLN301626.</li> </ul>
SIM card	Not Supported

## **System board connectors**

### Table 8. System board connectors

Feature	Specifications
M.2 Connectors	Two M.2 2280 Key-M connector

# **Storage**

Your computer supports one of the following configurations:

- 2.5-in. 5400 RPM, SATA hard drive
- M.2 2230/2280 for solid-state drive

The primary drive of your computer varies with the storage configuration. For computers:

- 2.5-in. 5400 RPM, SATA hard drive
- M.2 2230/2280 for solid-state drive

#### Table 9. Storage specifications

Form factor	Interface type	Capacity
2.5-in. 5400 rpm, hard drive	SATA	2 TB
M.2 2230 solid-state drive	PCle NVMe 3x4	Upto 512 GB
M.2 2280 solid-state drive	PCle NVMe 3x4	Upto 1 TB

## Media-card reader

### Table 10. Media-card reader specifications

Description	Values
Туре	One SD card
Cards supported	<ul><li>Secure Digital (SD)</li><li>Secure Digital High Capacity(SDHC)</li><li>Secure Digital Extended Capacity(SDXC)</li></ul>

## **Audio**

### **Table 11. Audio specifications**

Description	Values
Controller	Realtek ALC3204
Stereo conversion	Supported
Internal interface	HDA (High definition audio)
External interface	Universal Audio Jack
Speakers	2
Speaker Output Average	2 W
Speaker Output Peak	2.5 W

## Video

### Table 12. Integrated graphics specifications

Integrated graphics				
Controller External display support		Memory size	Processor	
AMD Radeon Graphics	One HDMI port	Shared system memory	<ul><li>AMD Athlon Gold/Silver</li><li>AMD Ryzen 3</li></ul>	
AMD Radeon Vega 8 Graphics	One HDMI port	Shared system memory	AMD Ryzen 5	
AMD Radeon Vega 10 Graphics	One HDMI port	Shared system memory	AMD Ryzen 7	

## Camera

### Table 13. Camera specifications

Description	Values
Number of cameras	One

Table 13. Camera specifications (continued)

Description		Values	
Туре		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		87 degrees	

## **Communications**

## Wireless module

Table 14. Wireless module specifications

Description	Values
Model number	Qualcomm QCA61x4A
Transfer rate	Up to 867 Mbps
Frequency bands supported	2.4 GHz/5 GHz
Wireless standards	<ul> <li>WiFi 802.11a/b/g</li> <li>Wi-Fi 4 (Wi-Fi 802.11n)</li> <li>Wi-Fi 5 (Wi-Fi 802.11ac Wave 2)</li> </ul>
Encryption	64-bit/128-bit WEP     AES-CCMP     TKIP
Bluetooth	Bluetooth 5.0

# **Battery**

Table 15. Battery specifications

Description		Values	
Туре		42 Whr 3 cell Polymer battery	
Voltage		11.40 VDC	
Weight (maximum)		0.18 kg (0.40 lb)	
Dimensions:			
	Height	184.10 mm (7.25 in.)	

Table 15. Battery specifications (continued)

Description		Values
	Width	90.73 mm (3.57 in.)
	Depth	5.75 mm (0.23 in.)
Temperature ra	nge:	
	Operating	0°C to 35°C (32°F to 95°F)
	Storage	-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.
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/
Life span (approximate)		300 discharge/charge cycles
Coin-cell battery		CR2032
Operating time		Varies depending on operating conditions and can significantly reduce under certain power-intensive conditions.

# Power adapter

Table 16. Power adapter specifications

Description	Values
Diameter (connector)	2.9 mm x 5.4 mm
Weight	0.23 kg (0.51 lb)
Input voltage	100 VAC x 240 VAC
Input frequency	50 Hz x 60 Hz
Input current (maximum)	1.30 A
Output current (continuous)	2.31 A
Rated output voltage	19.50 VDC
Operating	0°C to 40°C (32°F to 104°F)
Storage	-40°C to 70°C (-40°F to 158°F)

# **Dimensions and weight**

### Table 17. Dimensions and weight

Description	Values
Height:	
Front	18.10 mm (0.71 in.)
Rear	19.90 mm (0.78 in.)
Width	328.70 mm (12.94 in.)
Depth	239.50 mm (9.42 in.)
Weight	1.70 kg (3.61 lb)  i NOTE: The weight of your system depends on the configuration ordered and the manufacturing variability.

# **Touchpad**

### Table 18. Touchpad specifications

Feature	Specifications	
Resolution	1221 x 661	
Dimensions	<ul><li>Width: 101.7 mm (4.00 in.)</li><li>Height: 55.2 mm (2.17 in.)</li></ul>	
Multi-touch	Supports 5-finger multi-touch  i NOTE: For more information about touchpad gestures f Windows 10, see the Microsoft knowledge base article 4027871 at support.microsoft.com.	

### Table 19. Supported gestures

Supported gestures	Windows 10
Cursor moving	Supported
Clicking/ tapping	Supported
Click and drag	Supported
2-finger scroll	Supported
2-finger Pinch/ Zoom	Supported
2-finger tap (Right Clicking)	Supported
3-finger tap (Invoke Cortana)	Supported
3-finger swipe up (See all open windows)	Supported
3-finger swipe down (Show the desktop)	Supported
3-finger swipe right or left (Switch between open windows)	Supported
4-finger tap (Invoke Action Center)	Supported
4-finger swipe right or left (Switch virtual desktops)	Supported

# **Display**

Table 20. Display specifications

Description	escription Values		alues
Туре		High Definition (HD)	Full High Definition (FHD)
Panel techno	ology	TN	WVA
Luminance (1	typical)	220 nits	220 nits
Dimensions (	Active Area):		
	Height	173.99 mm ( 6.85 in.)	173.99 mm ( 6.85 in.)
Width		309.35 mm ( 12.17 in.)	309.35 mm ( 12.17 in.)
Diagonal		354.92 mm ( 13.97 in.)	354.92 mm ( 13.97 in.)
Native Resol	ution	1366 x 768	1920 x 1080
Megapixels		1.05 M	2.07 M
Pixels per Inc	ch (PPI)	112	157
Color Gamut	(CG)	NTSC 45% Typ.	NTSC 45% Typ.
Contrast Rat	io (min)	400:1	500:1
Response Tir	me (max)	16 ms	35 ms
Refresh Rate	)	60 Hz	60 Hz
Horizontal Vi	ew Angle	40 degrees (Left/Right)	80 degrees (Left/Right)
Vertical View	/ Angle	10 degrees (Up) / 30 degrees (Down)	80 degrees (Up/Down)
Pixel Pitch		0.2265 x 0.2265 mm	0.161 x 0.161 mm
Power Consumption (maximum)		3.2 W	3.5 W
Anti-glare vs glossy finish		Anti-glare	Anti-glare
Touch options		No	No

# Keyboard

Table 21. Keyboard specifications

Feature	Specifications
Number of keys	<ul><li>102 (U.S. and Canada)</li><li>103 (UK)</li><li>106 (Japan)</li></ul>
Size	Full sized  • X= 18.6 mm (0.73 in.) key pitch  • Y= 19.05 mm (0.75 in.) key pitch

### Table 21. Keyboard specifications (continued)

Feature	Specifications
Backlit keyboard	Optional (backlit and Non-backlit)
Layout	QWERTY

# Fingerprint reader in Power Button

### Table 22. Fingerprint reader specifications

Description	Values	
Sensor technology	Capacitive	Capacitive
Sensor resolution	363 dpi	500 dpi
Sensor pixel size	76 x 100	108 x 88

## Sensor and control specifications

#### Table 23. Sensor and control specifications

Specifications
1. Hall Effect Sensor (Detects when the lid is closed)

# **Computer environment**

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

#### **Table 24. 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)

 $<sup>\</sup>ensuremath{^{*}}$  Measured using a random vibration spectrum that simulates user environment.

 $<sup>\</sup>ensuremath{\uparrow}$  Measured using a 2 ms half-sine pulse when the hard drive is in use.

# **Software**

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

#### Topics:

· Downloading Windows drivers

## **Downloading Windows 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.
  - i 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.

# System setup

CAUTION: Unless you are an expert computer user, do not change the settings in the BIOS Setup program.

Certain changes can make your computer work incorrectly.

NOTE: Before you change BIOS Setup program, it is recommended that you write down the BIOS Setup program screen information for future reference.

Use the BIOS Setup program for the following purposes:

- Get information about the hardware installed in your computer, such as the amount of RAM and the size of the hard drive.
- Change the system configuration information.
- Set or change a user-selectable option, such as the user password, type of hard drive installed, and enabling or disabling base devices.

#### Topics:

- BIOS overview
- · Entering BIOS setup program
- Navigation keys
- · Boot Sequence
- System setup options
- · System and setup password

### **BIOS** overview

The BIOS manages data flow between the computer's operating system and attached devices such as hard disk, video adapter, keyboard, mouse, and printer.

## **Entering BIOS setup program**

#### About this task

Turn on (or restart) your computer and press F2 immediately.

## **Navigation keys**

NOTE: For most of the System Setup options, changes that you make are recorded but do not take effect until you restart the system.

Keys	Navigation
Up arrow	Moves to the previous field.
Down arrow	Moves to the next field.
Enter	Selects a value in the selected field (if applicable) or follow the link in the field.
Spacebar	Expands or collapses a drop-down list, if applicable.
Tab	Moves to the next focus area.
Esc	Moves to the previous page until you view the main screen. Pressing Esc in the main screen displays a message that prompts you to save any unsaved changes and restarts the system.

## **Boot Sequence**

Boot Sequence allows you to bypass the System Setup-defined boot device order and boot directly to a specific device (for example: optical drive or hard drive). During the Power-on Self Test (POST), when the Dell logo appears, you can:

- Access System Setup by pressing F2 key
- Bring up the one-time boot menu by pressing F12 key

The one-time boot menu displays the devices that you can boot from including the diagnostic option. The boot menu options are:

- Removable Drive (if available)
- STXXXX Drive (if available)
  - i NOTE: XXX denotes the SATA drive number.
- Optical Drive (if available)
- SATA Hard Drive (if available)
- Diagnostics

The boot sequence screen also displays the option to access the System Setup screen.

## System setup options

i NOTE: Depending on your computer and its installed devices, the items listed in this section may or may not appear.

#### Table 25. System setup options—Main menu

#### Main

System Time	Displays the current time in hh:mm:ss format.
System Date	Displays the current date in mm/dd/yyyy format.
BIOS Version	Displays the BIOS version.
Product Name	Displays the model number of your computer.
Service Tag	Displays the service tag of your computer.
Asset Tag	Displays the asset tag of your computer.
CPU Type	Displays the processor type.
CPU Speed	Displays the processor speed.
CPU ID	Displays the processor identification code.
CPU Cache	
L1 Cache	Displays the processor L1 cache size.
L2 Cache	Displays the processor L2 cache size.
L3 Cache	Displays the processor L3 cache size.
L3 Cache First HDD	Displays the processor L3 cache size.  Displays the type of hard drive installed.
First HDD	Displays the type of hard drive installed.  Display the M.2 PCle SSD device information of the
First HDD M.2 PCle SSD	Displays the type of hard drive installed.  Display the M.2 PCle SSD device information of the computer.
First HDD M.2 PCIe SSD AC Adapter Type	Displays the type of hard drive installed.  Display the M.2 PCle SSD device information of the computer.  Displays the type of AC adapter.
First HDD M.2 PCIe SSD AC Adapter Type System Memory	Displays the type of hard drive installed.  Display the M.2 PCle SSD device information of the computer.  Displays the type of AC adapter.  Displays the size of memory installed.

### Table 26. System setup options—Advanced menu

ed	
PowerNow! Enable	Enables or disables the dynamic frequency scaling and power-saving technology for the AMD processor.  Default: Enabled
Virtualization	Enables or disables the Virtualization technology.
	Default: Enabled
Integrated NIC	Enables or disables the on-board LAN controller.
	Default: Enabled
USB Emulation	Enables or disables the USB emulation feature. This feature defines how the BIOS, in the absence of a USB-aware operating system, handles USB devices. USB emulation is always enabled during POST.  (i) NOTE: You cannot boot any type of USB device (flow hard drive, or memory key) when this option is off.
	Default: Enabled
USB Wake Support	Allows you to enable USB devices to wake the computer from standby or to disable the USB wake support feature  (i) NOTE: If USB PowerShare is enabled, a device connected to the USB PowerShare connector may now wake the computer.
	(i) NOTE: To enable wake support for the fingerprint rethe USB Wake Support needs to be enabled in the Blue To enable USB wake support, complete the steps in the knowledge base article SLN321473.
	Default: Disabled
SATA Operation	Allows you to configure the operating mode of the integr SATA hard drive controller.
	Default: AHCI
Adapter Warnings	Allows you to choose if the computer should display warr messages when you use AC adapters that are not suppor by your computer.
	Default: Enabled
Function Key Behavior	Allows you to set function key or multimedia key as the default function key behavior.
	Default: Multimedia key
Keyboard Illumination	Selects the operating mode of the keyboard illumination feature.
	Default: Bright
Keyboard Backlight with AC	Selects the timeout value for the keyboard backlight whe AC adapter is plugged into the computer.
	Default: 1 minute
Keyboard Backlight with Battery	Selects the timeout value for the keyboard backlight whe the computer is running on battery power.
	Default: 1 minute
Battery Health	Displays the battery health.
External USB Ports	Enables or disables the USB Ports.

Table 26. System setup options—Advanced menu (continued)

nced	
	Default: Enabled
Microphone	Enables or disables the microphone.
	Default: Enabled
Camera	Enables or disables the camera.
	Default: Disabled
Battery Charge Configuration	Set the battery charge settings with a preselected custom charge start and stop.
	Default: Adaptive
Advanced Battery Charge Configuration	Enable Advanced Battery Charge Configuration from the beginning of the day to a specified work period.
	Default: Disabled
Maintenance	
Data Wipe on next boot	Enables or disables data wipe on the next boot.
	Default: Disabled
BIOS Recovery from Hard Drive	Enables the user to recover from certain corrupted BIOS conditions from a recovery file on the user primary hard drive or an external USB key.
BIOS Auto-Recovery	Enables BIOS to automatically recover BIOS without user actions.
	Default: Disabled
SupportAssist System Resolution	
Auto OS Recovery Threshold	Controls the automatic boot flow for SupportAssist System Resolution Console and for the Dell OS Recovery tool.
	Default: 2
SupportAssist OS Recovery	Enables or disables the boot flow for the SupportAssist OS Recovery tool in the even of certain system errors.
	Default: Disabled

Table 27. System setup options—Security menu

Security	
Admin Password Status	Displays if the administrator password is clear or set.
System Password Status	Displays if the system password is clear or set.
	Default: Not Set
Service Tag	Set your system's Service Tag.
Asset Tag	Set your system's Asset Tag.
Admin Password	Allows you to set the administrator password. The administrator password controls access to the system setup utility.
System Password	Allows you to set the system password. The system password controls access to the computer at boot.
HDD Password	Allows you to set the HDD password. The HDD password controls access to the computers HDD.

Table 27. System setup options—Security menu (continued)

Allows you to permit or deny system password or HDD password changes.
Default: Permitted
Allows you to track your computer
Default: enabled
Allows you to activate or deactivate the Absolute® feature
Enable or disable the firmware TPM.
Default: Enabled
Allows you to control the TPM Physical Presence Interface (PPI). When enabled, this setting will allow the OS to skip BIOS PPI user prompts when issuing the Clear command. Changes to this setting take effect immediately.
Default: Disabled
Enables or disables BIOS updates through UEFI capsule update packages.
Default: Enabled
Enables or disables configuration of platform features on Dell Client Systems with WSMT-enabled BIOS.
Default: Enabled
Enables or disables Secure Boot.
Default: Enabled

#### Table 28. System setup options—Boot menu

Boot		
File Browser Add Boot Option	Allows you to add boot options.	

### Table 29. System setup options—Exit menu

Exit	
Exit Saving Changes	Allows you to exit system setup and save your changes.
Save Change Without Exit	Allows you to save your changes without exiting the BIOS setup.
Exit Discarding Changes	Allows you to exit the BIOS setup without saving the changes.
Load Optimal Defaults	Allows you to restore default values for all system setup options.
Discard Changes	Allows you to load previous values for all system setup options.

# System and setup password

### Table 30. System and setup password

Password type	Description
System password	Password that you must enter to log on to your system.

#### Table 30. System and setup password (continued)

Password type	Description
	Password that you must enter to access and make changes to the BIOS settings of your computer.

You can create a system password and a setup password to secure your computer.

CAUTION: The password features provide a basic level of security for the data on your computer.

CAUTION: Anyone can access the data stored on your computer if it is not locked and left unattended.

i NOTE: System and setup password feature is disabled.

## Assigning a system setup password

#### **Prerequisites**

You can assign a new System or Admin Password only when the status is in Not Set.

#### About this task

To enter the system setup, press F12 immediately after a power-on or reboot.

#### Steps

- 1. In the **System BIOS** or **System Setup** screen, select **Security** and press Enter. The **Security** screen is displayed.
- 2. Select System/Admin Password and create a password in the Enter the new password field.

Use the following guidelines to assign the system password:

- A password can have up to 32 characters.
- The password can contain the numbers 0 through 9.
- Only lower case letters are valid, upper case letters are not valid.
- Only the following special characters are valid: Space, ("), (+), (,), (-), (.), (/), (;), ([), (\), (]), (`).
- 3. Type the system password that you entered earlier in the Confirm new password field and click OK.
- **4.** Press F10 to save the changes. The computer restarts.

## Deleting or changing an existing system setup password

#### **Prerequisites**

Ensure that the **Password Status** is Unlocked (in the System Setup) before attempting to delete or change the existing System password. You cannot delete or change an existing System password, if the **Password Status** is Locked.

#### About this task

To enter the System Setup, press F12 immediately after a power-on or reboot.

#### Steps

- In the System BIOS or System Setup screen, select System Security and press Enter.
  The System Security screen is displayed.
- 2. In the System Security screen, verify that Password Status is Unlocked.
- 3. Select System Password, update, or delete the existing system password, and press Enter or Tab.
  - NOTE: If you change the System password, reenter the new password when prompted. To delete the System and/or Setup password, key in a blank entry into the password window and hit enter.

**4.** Press F10 to save the changes. The computer restarts.

## Clearing BIOS (System Setup) and System passwords

#### About this task

To clear the system or BIOS passwords, contact Dell technical support as described at www.dell.com/contactdell.

NOTE: For information on how to reset Windows or application passwords, refer to the documentation accompanying Windows or your application.

# **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.