

# Dell Latitude 12 Rugged Tablet-7202

## Getting Started Guide

Regulatory Model: T03H  
Regulatory Type: T03H001



# Notes, cautions, and warnings

 **NOTE:** A NOTE indicates important information that helps you make better use of your computer.

 **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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## Finding Information and Resources

See the safety and regulatory documents that shipped with your computer and the regulatory compliance website at [www.dell.com/regulatory\\_compliance](http://www.dell.com/regulatory_compliance) for more information on:

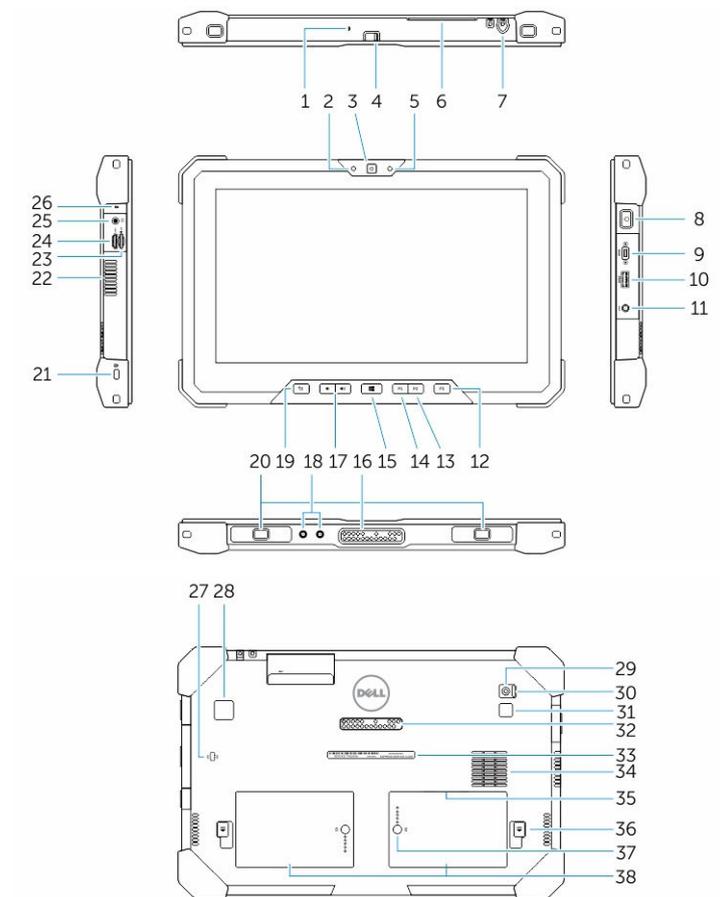
- Safety best practices
- Regulatory certification
- Ergonomics

See [www.dell.com](http://www.dell.com) for additional information on:

- Warranty
- Terms and Conditions (U.S. only)
- End User License Agreement

Additional information on your product is available at [www.dell.com/support/manuals](http://www.dell.com/support/manuals)

## Front and Back View



**Figure 1.**

1. Microphone
2. Camera status light
3. Camera
4. Camera shutter switch
5. Ambient light sensor
6. Smartcard reader
7. Stylus
8. Power button
9. Micro serial port
10. USB 3.0 Connector with PowerShare

11. Power connector
12. User programmable button 3
13. User programmable button 2
14. User programmable button 1
15. Windows button
16. Docking pogo pins
17. Volume buttons
18. Radio frequency pass-through connector
19. Screen-rotate lock button
20. Dock-guide slots
21. Security-cable slot
22. QuadCool vent-output
23. Memory-card reader
24. HDMI Port
25. Headset connector
26. Microphone
27. Contactless smartcard reader
28. Fingerprint reader
29. Rear camera
30. Camera shutter switch
31. Camera flash light
32. Expansion module pogo pins
33. Service tag label
34. QuadCool vent-intake
35. SIM slot (remove battery to access)
36. Battery release latch
37. Battery life meters
38. Battery



**WARNING: Do not block, push objects into, or allow dust to accumulate in the air vents. Do not store your Dell computer in a low-airflow environment, such as a closed briefcase, while it is running. Restricting the airflow can damage the computer or cause a fire. The computer turns on the fan when the computer gets hot. Fan noise is normal and does not indicate a problem with the fan or the computer.**

## Quick Setup

-  **WARNING:** Before you begin any of the procedures in this section, read the safety information that shipped with your computer. For additional best practices information, see [www.dell.com/regulatory\\_compliance](http://www.dell.com/regulatory_compliance)
-  **WARNING:** The AC adapter works with electrical outlets worldwide. However, power connectors and power strips vary among countries. Using an incompatible cable or improperly connecting the cable to the power strip or electrical outlet may cause fire or equipment damage.
-  **CAUTION:** When you disconnect the AC adapter cable from the computer, grasp the connector, not the cable itself, and pull firmly but gently to avoid damaging the cable. When you wrap the AC adapter cable, ensure that you follow the angle of the connector on the AC adapter to avoid damaging the cable.
-  **NOTE:** Some devices may not be included if you did not order them.

1. Connect the AC adapter to the AC adapter connector on the computer and to the electrical outlet.

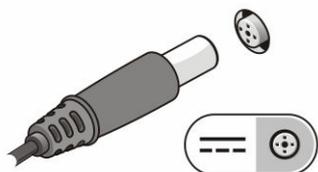


Figure 2. AC Adapter

2. Connect USB devices, such as a mouse or keyboard (optional).

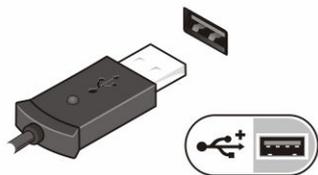


Figure 3. USB Connector

3. Press the power button to turn on the computer.



Figure 4. Power Button

-  **NOTE:** It is recommended that you turn on and shut down your computer at least once before you install any cards or connect the computer to a docking device or other external device, such as a printer.



# Removing and Installing Components

This section provides detailed information on how to remove or install the components from your computer.

## Removing the Battery

-  **WARNING:** Using an incompatible battery may increase the risk of fire or explosion. Replace the battery only with a compatible battery purchased from Dell. The battery is designed to work with your Dell computer. Do not use a battery from any other computer with your computer.
-  **WARNING:** Before removing or replacing the battery, turn off the computer, disconnect the AC adapter from the electrical outlet and the computer, disconnect the modem from the wall connector and computer, and remove any other external cables from the computer.
-  **WARNING:** Not for use in hazardous locations. See installation instructions.

1. To remove the battery:
  - a. Unlock the battery release latch by sliding towards the battery.
  - b. Push the button in a downward direction to unlatch the battery bay.

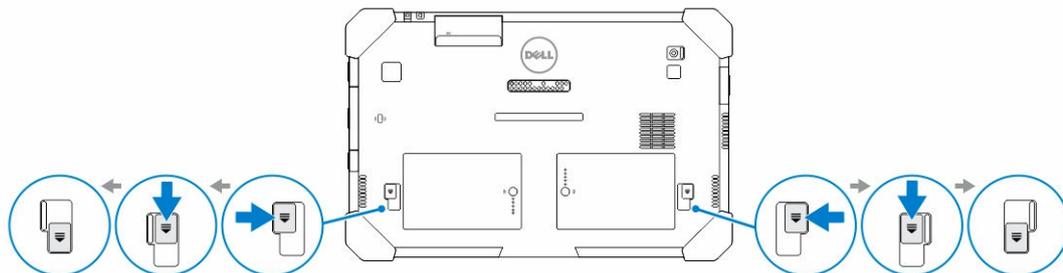


Figure 5.

 **NOTE:** There are two battery release buttons for removing Battery 1 and Battery 2 on the tablet.

2. Remove the batteries from the computer by lifting them in the direction indicated.

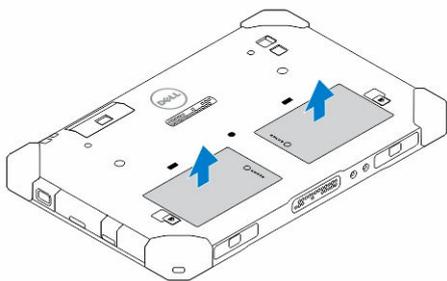


Figure 6.

## **Installing the Battery**

1. Slide the battery into its slot until it clicks into place.
2. Lock the battery by sliding the latch away from it.

# Installing the Dell Rugged Control Center

 **NOTE:**

- This application is compatible only with Windows 8 or later operating systems.
- Before you install this application, make sure you that have the latest version of the setup file from the [Dell.com/support](http://Dell.com/support) page for *Dell Latitude 12 Rugged Tablet 7202*.
- After you install or uninstall the Dell Rugged Control Center application on your tablet, a reboot is recommended.

1. Double-click the executable.  
The **Setup Wizard** page appears.
2. Click **Next**.  
The **Language Selection** page appears.
3. Select the language from the drop-down menu and click **Next**.

 **NOTE:** The default language is English.

4. Click **Install**.
5. Click **Yes** to provide the administrator rights to begin the installation process.  
The installation process will now begin.
6. After the installation is successful, click **Finish**.

You can now see the **Rugged Control Center** icon on your desktop.

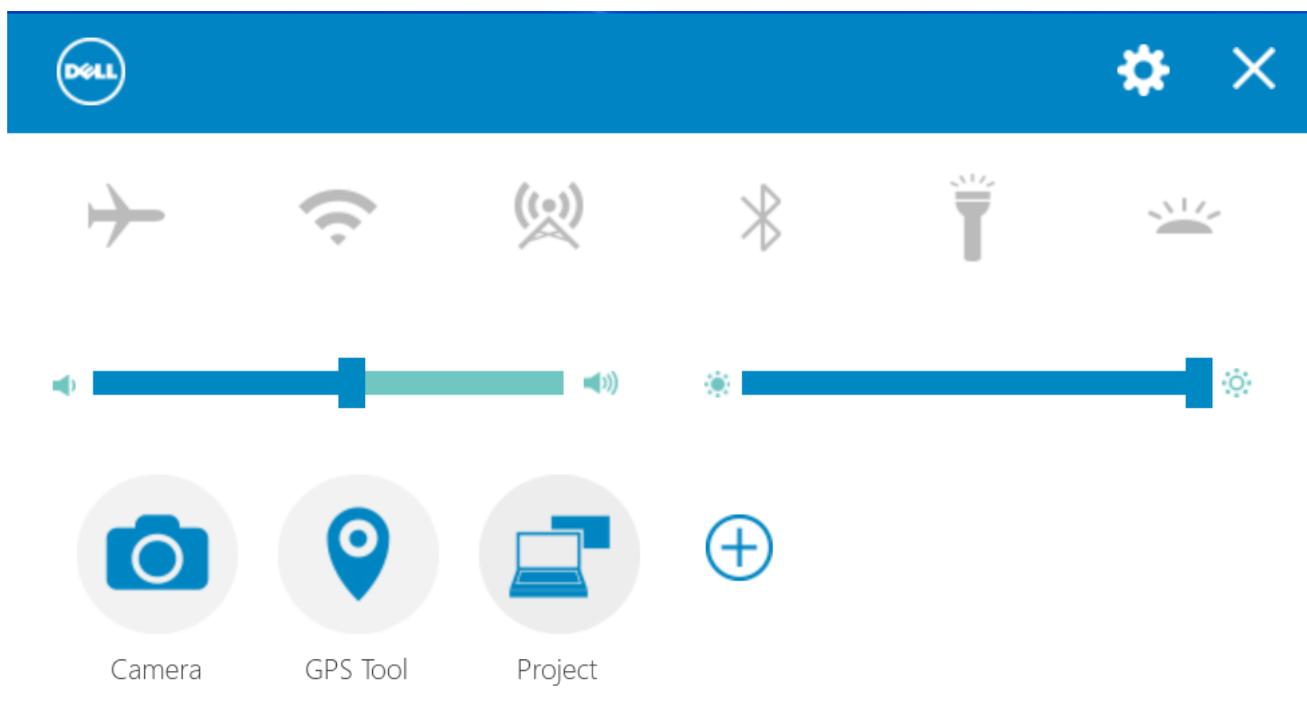
# Using the Dell Rugged Control Center Application

## Overview

The Dell Rugged Control Center is an application designed for your *Dell Latitude 12 Rugged Tablet 7202*, which enables you to perform several important tasks on the tablet. After you install the Dell Rugged Control Center application on your tablet, you can view all the basic features, such as Wi-Fi, Bluetooth, camera, volume, brightness, and so on.

In addition, this application also enables you to add a shortcut of any feature onto it. By using this application, you can directly control or adjust all the important features on your tablet.

After you install the Rugged Control Center application, you can launch the application by clicking the *Rugged Control Center* icon, available on the desktop.



 **NOTE:** The options that are displayed in the Rugged Control Center home screen are the default

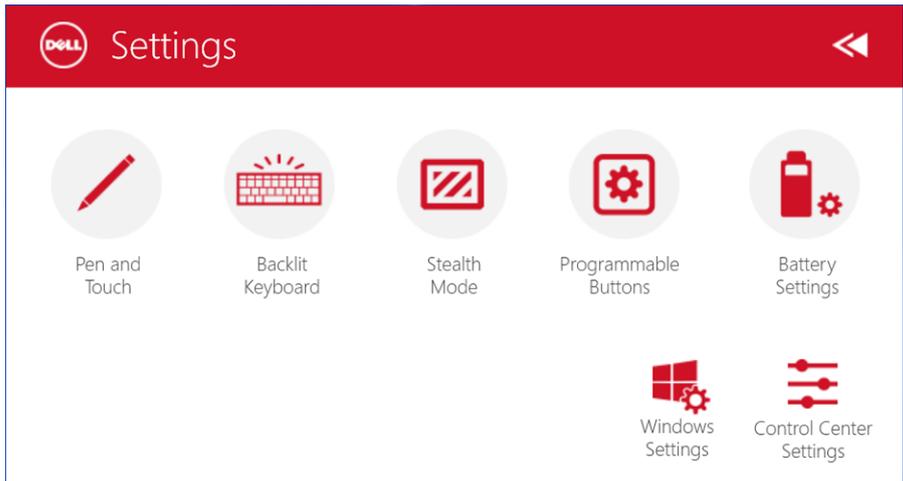
options. You can add a feature to the application, by clicking the  icon.

The following table shows the feature description of the Rugged Control Center Application:

Feature	Description
	Allows you to enable or disable the flight mode.
	Allows you to enable or disable the WLAN.  <b>NOTE:</b> To connect to the WLAN, make sure you have your network configured.
	
	Allows you to enable or disable built-in flashlight.
	
	Allows you to enable or disable the camera.
Camera	
	Allows you to enable or disable the GPS. After you enable the GPS functionality on your tablet, the tool shows your current location, along with the date, time, latitude, longitude, and so on.
GPS Tool	

Feature	Description
 <p data-bbox="300 443 384 474">Project</p>	<p data-bbox="834 243 1321 333">Allows you to enable or disable to select the display option, if you have connected to the external monitor or to any other source.</p>
	<p data-bbox="834 510 1382 569">Allows you to increase or decrease the brightness in the display.</p>
	<p data-bbox="834 623 1382 682">Allows you to increase or decrease the volume of the speakers.</p>

You can also touch the **Settings** option to explore more options.



The following table shows the feature description available in the **Settings** option of the Rugged Control Center Application:

Feature	Description
 <p data-bbox="301 436 395 495">Pen and Touch</p>	<p data-bbox="834 243 1289 302">Allows you to enable or disable the stylus functionality.</p> <p data-bbox="834 323 1374 411"> <b>NOTE:</b> This option is compatible only if you have the optional stylus accessory for your tablet.</p>
 <p data-bbox="288 720 405 779">Backlit Keyboard</p>	<p data-bbox="834 533 1329 592">Allows you to enable or disable the keyboard backlight.</p> <p data-bbox="834 613 1374 701"> <b>NOTE:</b> This option is compatible only if you have the optional keyboard accessory for your tablet.</p>
 <p data-bbox="304 1018 384 1077">Stealth Mode</p>	<p data-bbox="834 821 1374 879">Allows you to enable or disable the stealth mode to your tablet.</p>
 <p data-bbox="256 1329 432 1388">Programmable Buttons</p>	<p data-bbox="834 1125 1358 1184">Allows you to set the programmable buttons to enable or disable the stealth mode.</p>
 <p data-bbox="301 1627 395 1686">Battery Settings</p>	<p data-bbox="834 1434 1326 1493">Allows you to open the Power Options page directly from the Control Panel.</p>

Feature	Description
	Allows you to open the Windows Settings page.

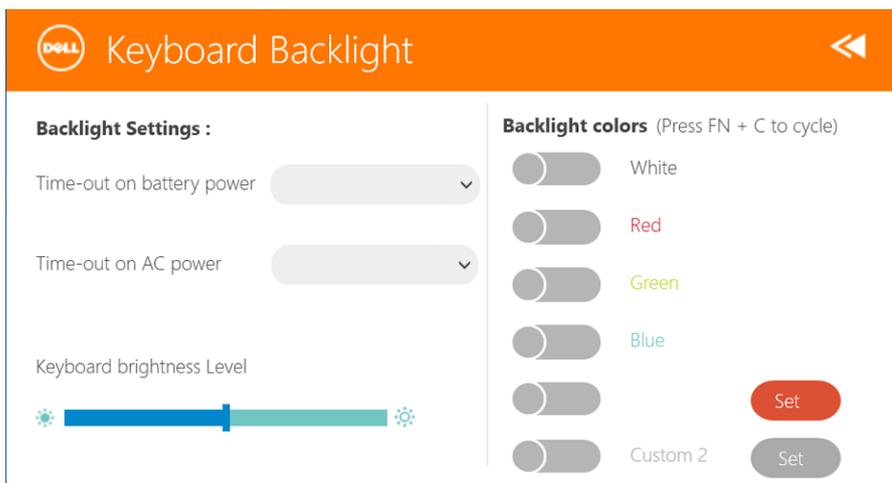
## Enable or Disable the Keyboard Backlight

1. Launch the Rugged Control Center application.
2. Press the **Settings** button on the top-right corner.



Backlit Keyboard

3. Press the **Backlit Keyboard** button to access the Backlit Keyboard menu.
  -  **NOTE:** This feature can be used only if the tablet is connected to the external accessory keyboard (sold separately).
4. Adjust the required parameters for Backlight settings and Backlight colors.



## Stealth Mode

Latitude fully rugged products come equipped with a Stealth mode. Stealth mode allows you to turn off the Display, all the LED lights, internal speakers, the fan and all wireless radios with a single key combination.

 **NOTE:** This mode is aimed at using the tablet in covert operations. When the stealth mode is activated, the tablet remains functional but will not emit any light or sound.

You can activate the Stealth Mode, using the Rugged Control Center application and using the optional keyboard accessory.

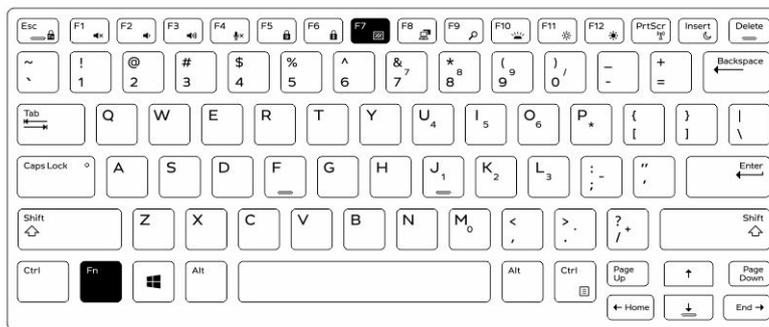
## Turning Stealth Mode On/Off Using Optional Accessory Keyboard

**NOTE:** The following steps are applicable only if you have attached the optional accessory keyboard to your tablet. Stealth mode can be setup within the tablet by using the Rugged Control Center (RCC) application pre-loaded on the device.

1. Press the **<Fn> + <F7>** key combination (<Fn> key not needed if Fn lock is activated) to turn on stealth mode.

**NOTE:** Stealth mode is a secondary function of the <F7> key. The key can be used to perform other functions on the computer when not used with the <Fn> key to activate stealth mode.

2. All the lights and sounds are turned off.
3. Press the **<Fn> + <F7>** key combination again to turn off the stealth mode.



## Turning Stealth Mode On/Off Using Rugged Control Center Application

1. Launch the **Rugged Control Center** application on your tablet.
2. Touch **Settings > Programmable Buttons**.
3. Set any 3 programmable buttons to enable or disable the Stealth Mode.
4. Use the selected programmable buttons to enable or disable the Stealth Mode.

## Modifying the Stealth Mode Settings

You can also modify your desired features to disable in the stealth mode settings. To modify the stealth mode settings:

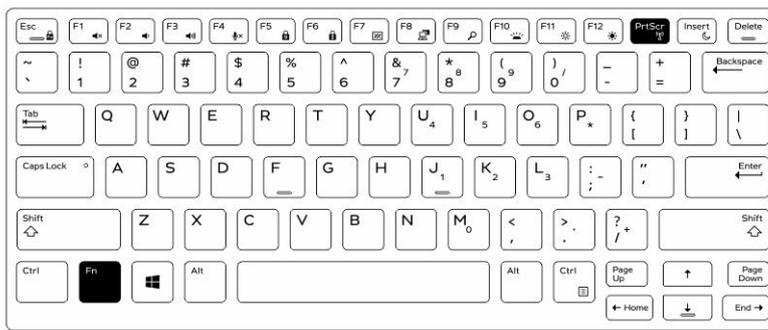
1. Launch the **Rugged Control Center** application on your tablet.
2. Touch **Settings > Stealth Mode**.
3. Select the features that you want to disable in the stealth mode. For example: Volume, Wireless, Display, and so on.

## Enabling and Disabling Wireless (WiFi) Feature — Optional Accessory Keyboard

 **NOTE:** WiFi can also be enabled/disabled by using the user defined programmable buttons on the tablet.

Follow the steps below to enable/disable WiFi using the optional accessory keyboard.

1. Press the <Fn> + <PrtScr> keys to enable wireless networking.
2. Press the <Fn> + <PrtScr> keys again to disable wireless networking.

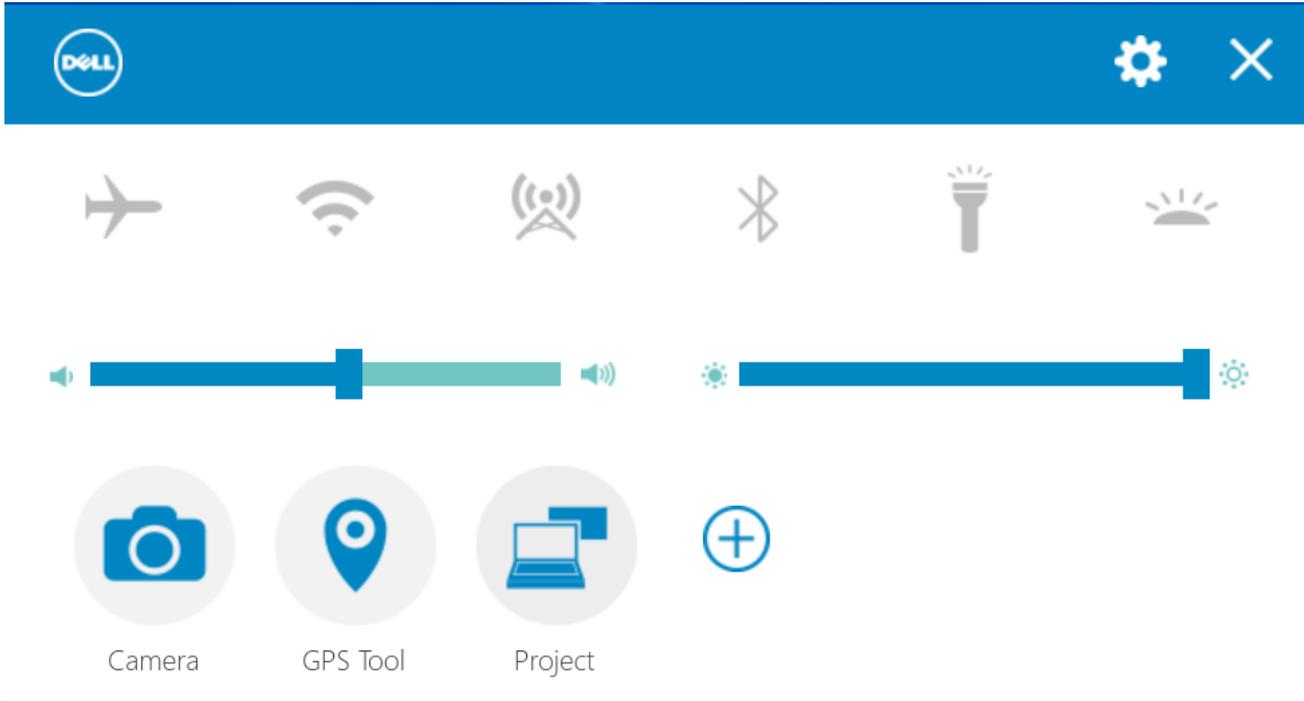


## Enabling and Disabling Wireless (WiFi) Feature — Rugged Control Center

 **NOTE:** WiFi can also be enabled/disabled by using the user defined programmable buttons on the tablet.

Follow the steps below to enable/disable WiFi using the Rugged Control Center application:

1. Launch the Rugged Control Center application on your tablet.
2. Press the **Settings** button on the top-right corner.

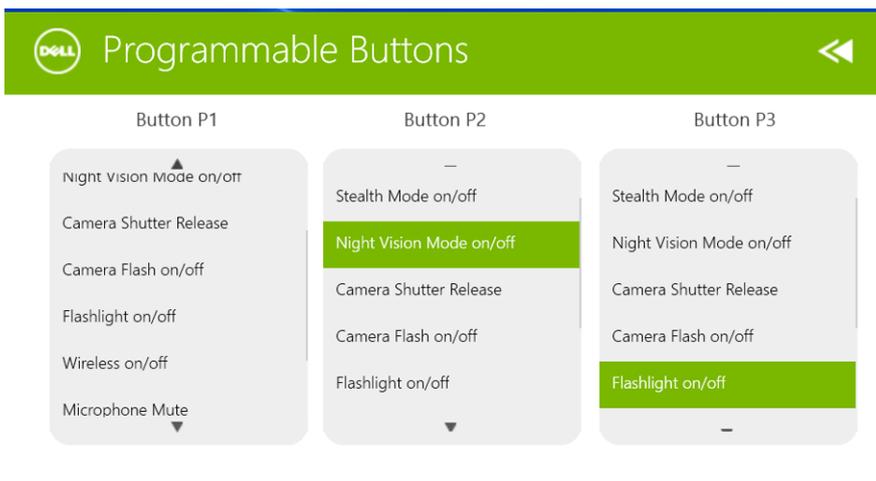


3. Press **Programmable buttons**.



Programmable Buttons

4. Set any of the 3 programmable buttons to **Wireless on/off**.



5. Use the programmed button to Enable/Disable Wireless networks on the tablet.

## Smart Cards

There are two main types of Smart or Common Access Cards (CAC):

1. Enclosed Smart Cards — These cards have a contact area with many gold plated connection pads. When inserted into a card reader, the information from the chip can be read and written

Insert the card into the smart card slot with the gold contact pad facing upward and pointing toward the smart card slot. Slide the card into the slot until it is fully seated in its connector.

2. Contactless Smart Cards — These cards do not require any physical contact with the reader. The chip communicates with the card reader through RFID induction technology.

These cards require only close proximity to an antenna of a card reader to complete transactions.

# 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.

<b>System Information</b>	
Chipset	Integrated in the CPU
DRAM bus width	128 bit (64-bits x 2 channels)
Flash EPROM	128 Mbit Quad-SPI
<b>Processor</b>	
Type	Intel Broadwell Y SOC
External bus frequency	SOC no external bus connected chipset
<b>Memory</b>	
Memory capacity	4 GB / 8 GB
Memory type	LPDDR3
Memory speed	1600 MHz
Minimum memory	4 GB
Maximum memory	8 GB
<b>Audio</b>	
Type	Side firing
Stereo conversion	24-bit
Speakers	AAC 25 x 9 x 3 mm, 1 W, speaker
<b>Video</b>	
Video type	integrated
Data bus	integrated
Video controller	iGPU GT2 graphics

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**Communications**

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Network adapter	WLAN, LTE, HSPA+
Wireless	BT, NFC <ul style="list-style-type: none"><li>• Bluetooth 4.0 LE</li></ul>

 **NOTE:** The optional expansion dock, if purchased with the tablet comes equipped with an additional Network port (Ethernet).

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**Ports and Connectors**

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Audio	one 3.5 mm jack
Video	one mini HDMI connector
USB	one USB 3.0 connector
Memory-card reader	one microSD card reader
Docking port	<ul style="list-style-type: none"><li>• one docking port</li><li>• One WWAN RF passthrough</li><li>• One WLAN RF passthrough</li></ul>
Subscriber Identity Module (SIM) port	one micro SIM slot
Smart card	one smart card reader
Serial	one micro serial connector
Modular Expansion	one pogo pin modular expansion port

 **NOTE:** The optional expansion dock, if purchased with the tablet comes equipped with two additional USB 3.0 ports.

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**Display**

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Feature	Specification
Type	white Light Emitting Diode (WLED) display, HD (1366 x 768)
Size	11.6 inches
Dimensions:	
Height	158.5 mm (6.24 inches)
Width	268.0 mm (10.59 inches)
Diagonal	29.38 mm (1.15 inches)
Active area (X/Y)	256.12 mmx144 mm
Maximum resolution	1366 x 768 pixels
Maximum Brightness	730 nits
Operating angle	0° (closed) to 180°
Refresh rate	60 Hz

<b>Display</b>	
<b>Feature</b>	<b>Specification</b>
Minimum Viewing angles:	
Horizontal	<ul style="list-style-type: none"> <li>+/- 40° for HD</li> <li>+/- 60° for FHD</li> </ul>
Vertical	<ul style="list-style-type: none"> <li>+10°/-30° for HD</li> <li>+/-50° for FHD</li> </ul>
Pixel pitch	0.2265 mm
<b>Front camera</b>	
Type	OV 2724 (2 MP)
Resolution	1366 x 768 pixels
<b>Rear camera</b>	
Type	IMX 134 (8 MP)
Resolution	3264 pixels x 2448 pixels
<b>Storage</b>	
Storage	M.2 SSD 128 GB / 256 GB / 512 GB
<b>Battery</b>	
Type	2-cell lithium ion (26 WHr)
Dimensions	
Length	103.60 mm (4.08 inches)
Height	15.00 mm (0.59 inch)
Width	62.70 mm (2.47 mm)
Weight	145.50 g (typical) (0.32 lb)
Voltage	7.4 VDC (nominal) and 8.7 VDC (maximum)
Temperature range	
Operating	0 °C to 50 °C (32° F to 158 °F)
Non-Operating	-20 °C to 65 °C (4 °F to 149 °F)
Coin-cell battery	3 V CR2025 lithium ion
<b>AC Adapter</b>	
Type	
Input voltage	100 VAC to 240 VAC

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**AC Adapter**

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Input current (maximum)	0.60 A
Input frequency	50 Hz to 60 Hz
Output power	45 W
Output current (45 W)	1.2 A / 2.0 A
Rated output voltage	19.5 VDC
Temperature range:	
Operating	0 °C to 40 °C (32 °F to 104 °F)
Non-operating	-40 °C to 70 °C (-40 °F to 158 °F)

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**Physical**

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Thickness (Typical)	
X	312.20 mm (12.29 inches)
Y	203.00 mm (7.99 inches)
Z	24.40 mm (0.96 inch)
Thickness (Maximum)	
X	318.20 mm (12.53 inches)
Y	209.00 mm (8.23 inches)
Z	28.90 mm (1.14 inches)
Weight (minimum)	1611 grams (3.55 lb)

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**Environmental**

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Temperature:	
Operating	-29 °C to 63 °C
Storage	-51 °C to 71 °C
Relative humidity (maximum):	
Operating	Operating 10% to 90% (noncondensing)
Storage	Storage 5% to 95% (noncondensing)
Altitude (maximum):	
Operating	- 16 m to 12192 m (- 50 ft to 40000 ft)
Non-operating	-15.20 m to 12192 m (-50 ft to 40,000 ft)
Airborne contaminant level	G1 as defined by ISA-71.04-1985

## Contacting Dell

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

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:

Go to [dell.com/contactdell](http://dell.com/contactdell).