

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.

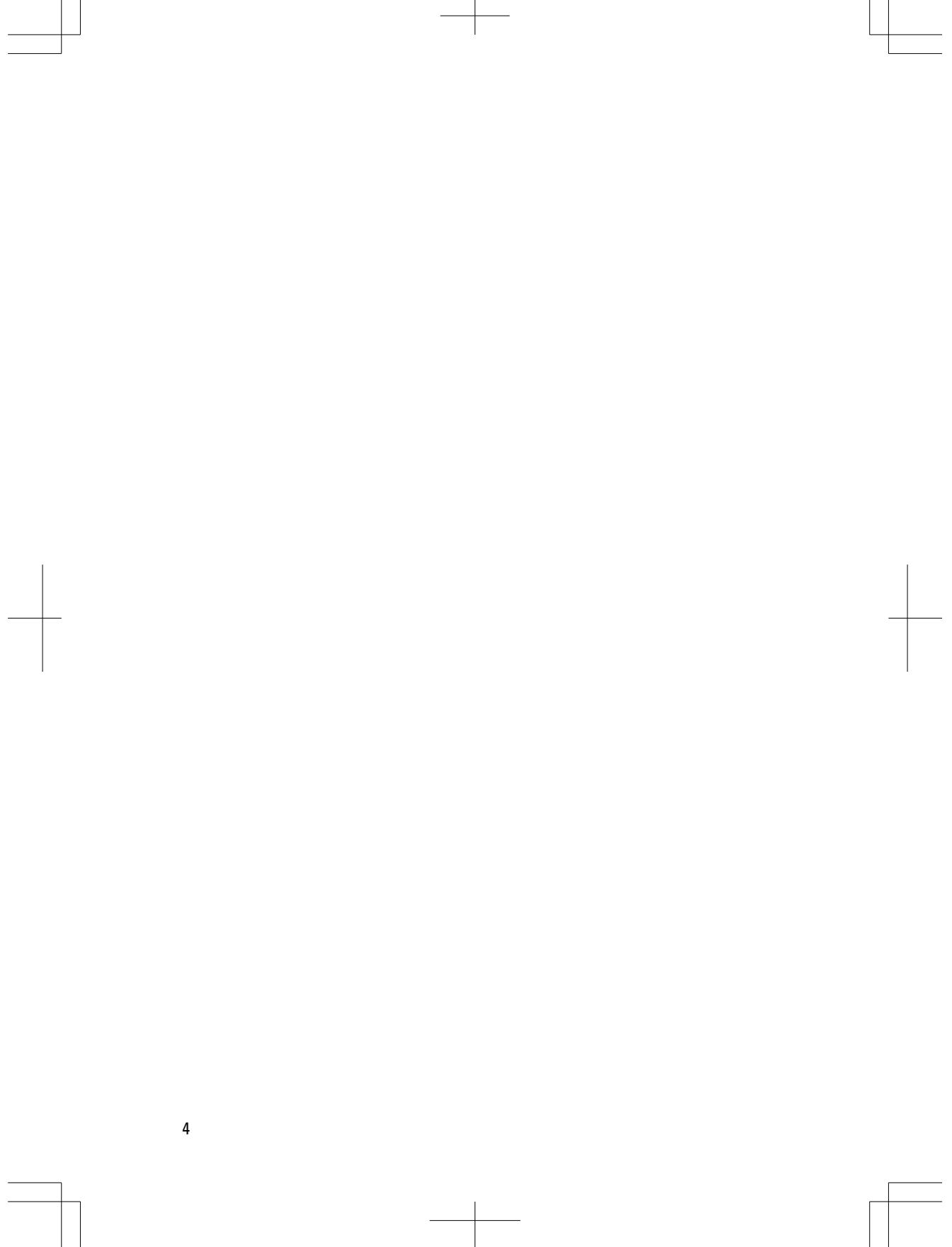
Copyright © 2015 Dell Inc. All rights reserved. This product is protected by U.S. and international copyright and intellectual property laws. Dell™ and the Dell logo are trademarks of Dell Inc. in the United States and/or other jurisdictions. All other marks and names mentioned herein may be trademarks of their respective companies.

2015 - 06

Rev. A00

Contents

1 Finding Information and Resources.....	5
2 Front and Back View.....	7
3 Quick Setup.....	9
4 Removing and Installing Components.....	11
Removing the Battery.....	11
Installing the Battery.....	12
Installing the SIM Card.....	12
5 Dell Rugged Control Center Application.....	15
Using the Settings Option in Rugged Control Center.....	17
Installing the Dell Rugged Control Center.....	19
Enabling or Disabling the Keyboard Backlight.....	20
Changing the Keyboard Backlight Colors	20
6 Stealth Mode.....	23
Turning Stealth Mode On/Off Using Optional Accessory Keyboard	23
Turning Stealth Mode On/Off Using RCC.....	24
Modifying the Stealth Mode Settings.....	24
7 Enabling and Disabling Wireless (WiFi) Feature.....	25
Enabling or Disabling Wireless (WI-FI) Feature Using Optional Keyboard Accessory...	25
Enabling and Disabling Wireless (WiFi) Feature Using RCC.....	25
8 Smart Cards.....	27
9 Specifications.....	29
10 Contacting Dell.....	35



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 for more information on:

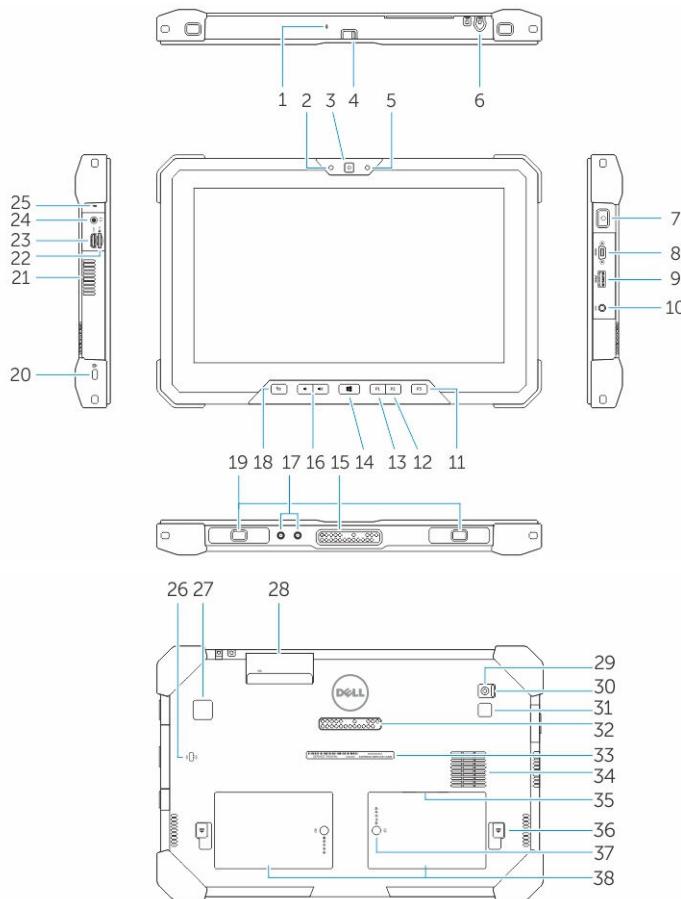
- Safety best practices
- Regulatory certification
- Ergonomics

See 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

Front and Back View



1. Microphone
2. Camera status light
3. Camera
4. Camera shutter switch

5. Ambient light sensor
6. Stylus
7. Power button
8. Micro serial port
9. USB 3.0 connector with PowerShare
10. Power connector
11. User programmable button 3
12. User programmable button 2
13. User programmable button 1
14. Windows button
15. Docking-pogo pins
16. Volume buttons
17. Radio frequency pass-through connector
18. Screen-rotate lock button
19. Dock-guide slots
20. Security-cable slot
21. QuadCool vent-output
22. Memory-card reader
23. HDMI Port
24. Headset connector
25. Microphone
26. Contactless smart card reader
27. Fingerprint reader
28. Smart card 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: Your Dell Rugged Tablet is designed to prevent damage due to dust or dirt entering the QuadCool intake vent. It is however recommended to keep QuadCool vents clean and unobstructed for optimal performance.

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
- ⚠ 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 1. AC Adapter

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

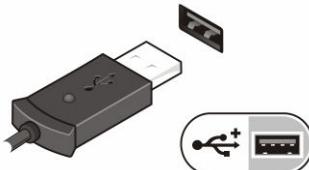


Figure 2. USB Connector

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



Figure 3. 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.

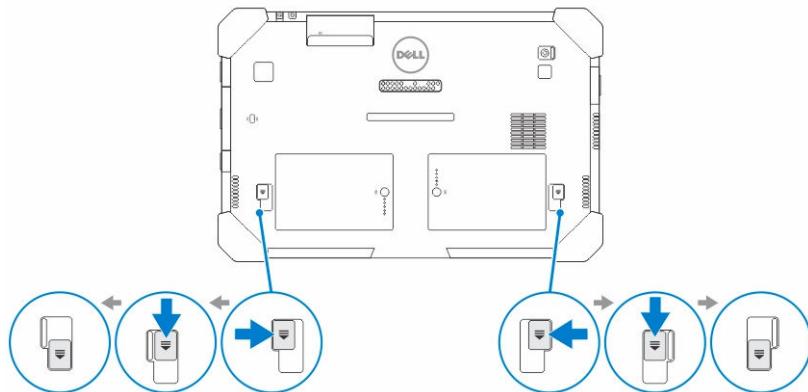
Removing the Battery

⚠ **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 tablet. Do not use a battery from any other tablet with your tablet.

⚠ **WARNING:** Before removing or replacing the battery, turn off the tablet, disconnect the AC adapter from the electrical outlet and the tablet, disconnect the modem from the wall connector and tablet, and remove any other external cables from the tablet.

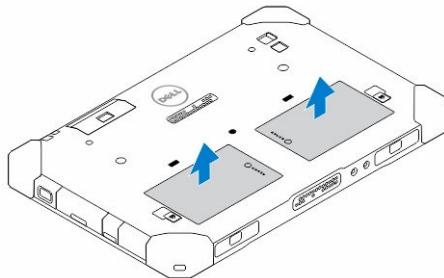
⚠ **WARNING:** Not for use in hazardous locations. See installation instructions.

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.



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

2. Lift the batteries away from the tablet.



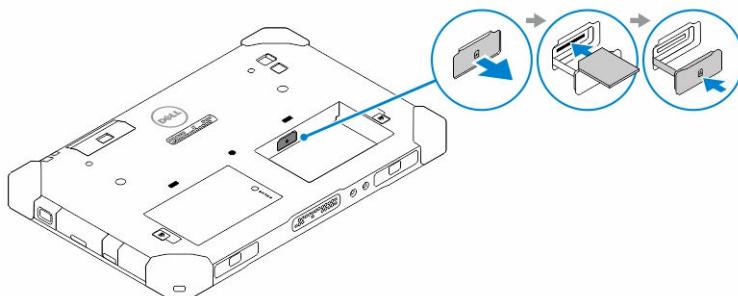
Installing the Battery

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

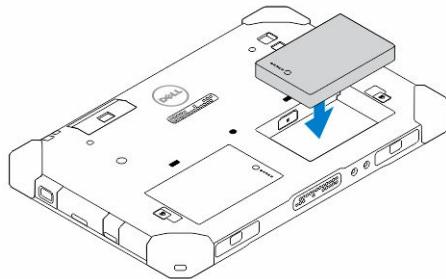
Installing the SIM Card

 **NOTE:** The SIM card slot is located underneath the battery 2 slot.

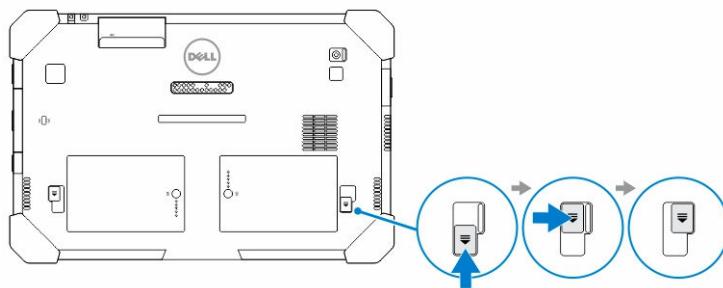
1. Remove the *battery*.
2. To install the SIM card:
 - a. Press the SIM latch and pull it in an outward direction.
 - b. Insert the SIM card into the slot.
 - c. Push the SIM release latch inwards to lock it.



3. Install the battery into the battery bay.



4. Slide the battery release latch in an upwards direction, and then to the right to lock it.

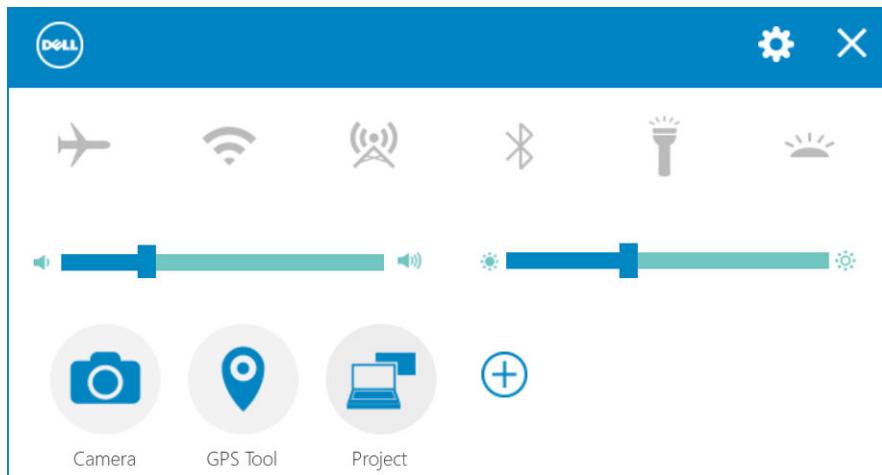


Dell Rugged Control Center Application

The Dell Rugged Control Center (RCC) is an application designed for your *Dell Latitude 12 Rugged Tablet*, 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.

You can launch the application by clicking the *Rugged Control Center* icon, available on the desktop. You can also start the RCC application from the bottom-right corner of the taskbar.



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

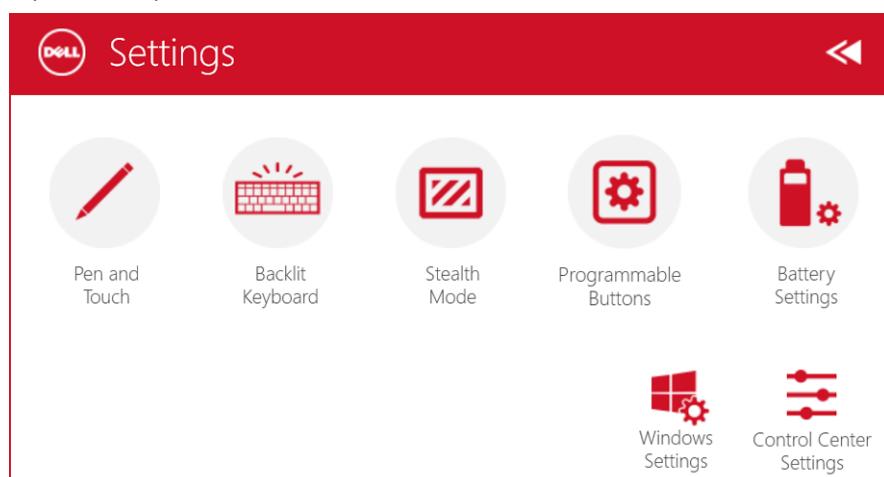
Feature	Description
	Allows you to enable or disable the airplane mode.
	Allows you to enable or disable the WLAN.  NOTE: To connect to the WLAN, make sure you have your network configured.
	Allows you to enable or disable the WWAN / Mobile broadband service (if configured).
	Allows you to enable or disable Bluetooth.
	Allows you to turn on or off the built-in flashlight.
	Allows you to enable or disable the Automatic Light Sensor.
	Launches the camera application. Camera
	Launches the GPS control panel, which allows you to enable or disable the GPS. If you enable the GPS, the control panel will also show your current location, along with the time, date, latitude, and longitude. GPS Tool

Feature	Description
	Launches the Window panel to select the display option, if you have connected to an external monitor or to any other source.
	Allows you to increase or decrease the brightness in the display.
	Allows you to increase or decrease the volume of the speakers.

 **NOTE:** The options that are displayed in the RCC home screen are the default options. You can add a feature to the application, by clicking the  icon.

Using the Settings Option in Rugged Control Center

You can also touch the  option from the top-right corner of the RCC application to explore more options.



The following table shows the feature description available in the **Settings** option of the RCC Application:

Feature	Description
 Pen and Touch	Launches the Windows control panel for pen and touch settings.
 Backlit Keyboard	 NOTE: This option is compatible only if you have the optional keyboard accessory for your tablet.
	Launches a control panel to adjust settings for the optional backlit keyboard accessory (if configured with the optional keyboard accessory). The control panel also allows you to set backlight colors and adjust brightness and timeout settings.
 Stealth Mode	Launches a control panel to adjust Stealth Mode settings. The control panel also allows you to set which functionality is disabled when you enter Stealth Mode.
 Programmable Buttons	Launches a control panel to assign actions to the 3 programmable buttons on the front of the tablet.
 Battery Settings	Launches the Windows control panel for battery settings.
 Windows Settings	Launches the Windows control panel.

Feature	Description
 Control Center Settings	Launches the control panel to adjust settings of the RCC application.

Installing the Dell Rugged Control Center



NOTE:

- Dell Rugged Control Center is compatible only with Windows 8 or higher versions of operating systems.
- Before you install this application, make sure you that have the latest version of the setup file from the *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 file.

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.

Enabling or Disabling the Keyboard Backlight



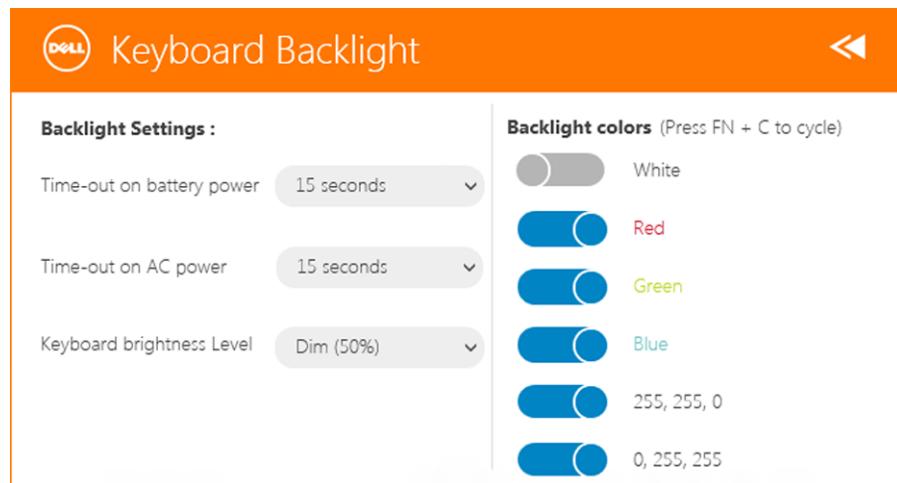
NOTE: This feature can be used only if the tablet is connected to an external keyboard accessory (sold separately).

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 control panel.
4. Adjust the required parameters for Backlight settings and Backlight colors.

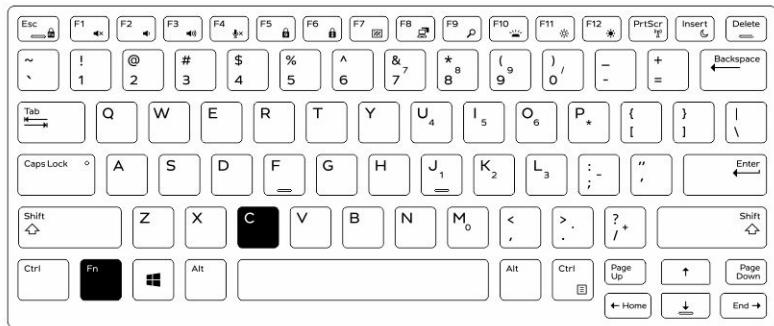


Changing the Keyboard Backlight Colors

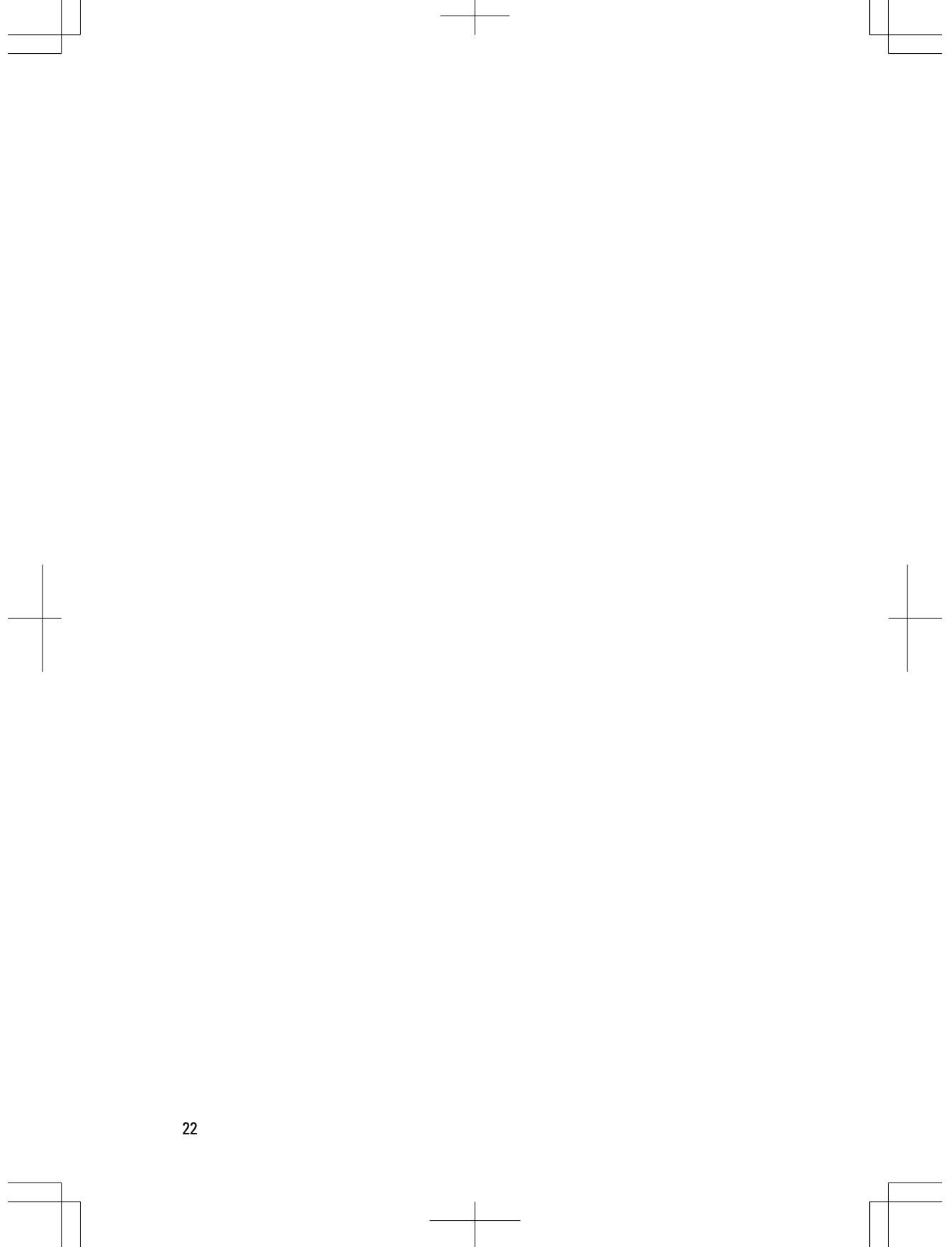
1. Press **<Fn> + <C>** keys to cycle through the available backlight colors.



NOTE: Press **<Fn> + <C>** keys to cycle through the available backlight colors.



2. Press **<Fn> + < F10>** keys to adjust the brightness.



6

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.

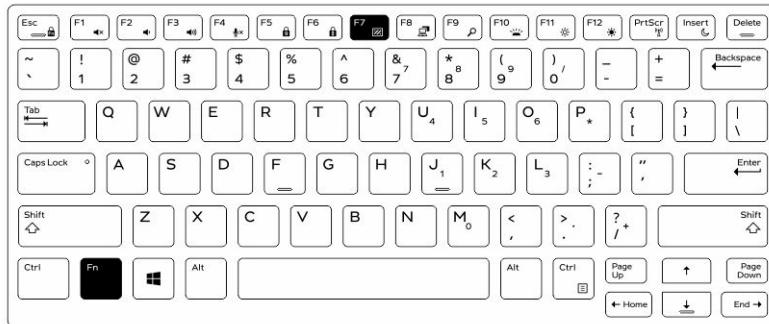
You can activate the Stealth Mode, using the Rugged Control Center application and using the optional keyboard accessory.

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 RCC

1. Launch the **Rugged Control Center** application on your tablet.
2. From the main screen, press the **Settings** button  > **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. From the main screen, press the **Settings** button  > **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

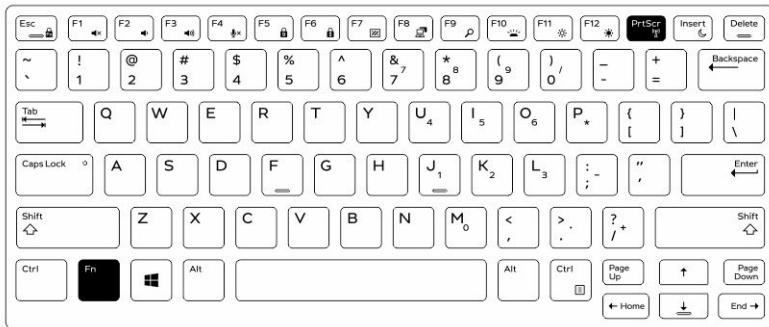
You can enable or disable the wireless (Wi-Fi) feature, using the optional keyboard accessory and using the programmable buttons in RCC application.



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

Enabling or Disabling Wireless (Wi-Fi) Feature Using Optional Keyboard Accessory

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



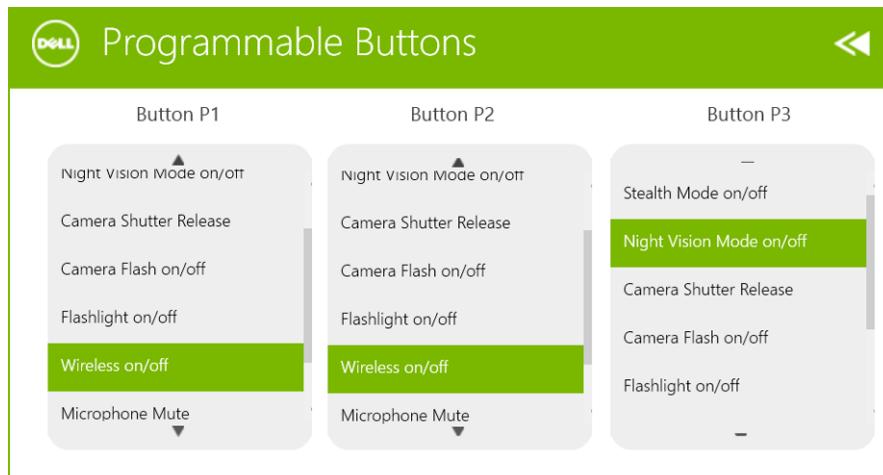
Enabling and Disabling Wireless (WiFi) Feature Using RCC

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



Programmable
Buttons

3. Press **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.

8

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.

System Information

Chipset	Integrated in the CPU
DRAM bus width	128 bit (64-bits x 2 channels)
Flash EPROM	128 Mbit Quad-SPI

Processor

Type	Intel Broadwell Y SOC
External bus frequency	SOC no external bus connected chipset

Memory

Memory capacity	4 GB / 8 GB
Memory type	LPDDR3
Memory speed	1600 MHz
Minimum memory	4 GB
Maximum memory	8 GB

Audio

Type	Side firing
Stereo conversion	24-bit
Speakers	AAC 25 x 9 x 3 mm, 1 W, speaker

Video

Video type	integrated
Data bus	integrated
Video controller	iGPU GT2 graphics

Communications

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



NOTE: The optional I/O expansion module, if purchased with the tablet, comes equipped with an additional Network port (Ethernet).

Ports and Connectors

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">• one docking port• one WWAN RF passthrough• one WLAN RF passthrough
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.

Display	
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 mm×144 mm
Maximum resolution	1366 x 768 pixels
Maximum Brightness	730 nits
Operating angle	0° (closed) to 180°
Refresh rate	60 Hz
Minimum viewing angles:	
Horizontal	<ul style="list-style-type: none"> • +/- 40° for HD • +/- 60° for FHD
Vertical	<ul style="list-style-type: none"> • +10°/-30° for HD • +/-50° for FHD
Pixel pitch	0.2265 mm

Front camera	
Type	OV 2724 (2 MP)
Resolution	1366 x 768 pixels

Rear camera	
Type	IMX 134 (8 MP)
Resolution	3264 pixels x 2448 pixels

Storage

Storage M.2 SSD 128 GB / 256 GB / 512 GB

Battery

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)

- 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

AC Adapter

Type

Input voltage 100 VAC to 240 VAC

Input current (maximum) 0.60 A

Input frequency 50 Hz to 60 Hz

Output power 45 W

Output current (45 W) 2.31 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)

Physical

Typical

Width	312.20 mm (12.29 inches)
Height	203.00 mm (7.99 inches)
Thickness	24.40 mm (0.96 inch)

Maximum

Width	318.20 mm (12.53 inches)
Height	209.00 mm (8.23 inches)
Thickness	28.90 mm (1.14 inches)
Weight (minimum)	1620 grams (3.57 lb)

Environmental

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

10

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.

