

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.

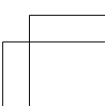
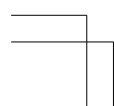
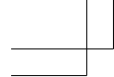
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Finding Information and Resources

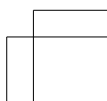
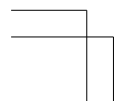
See the safety and regulatory documents that shipped with your computer and the regulatory compliance website at www.dell.com/regulatory_compliance for more information on:

- Safety best practices
- Regulatory certification
- Ergonomics

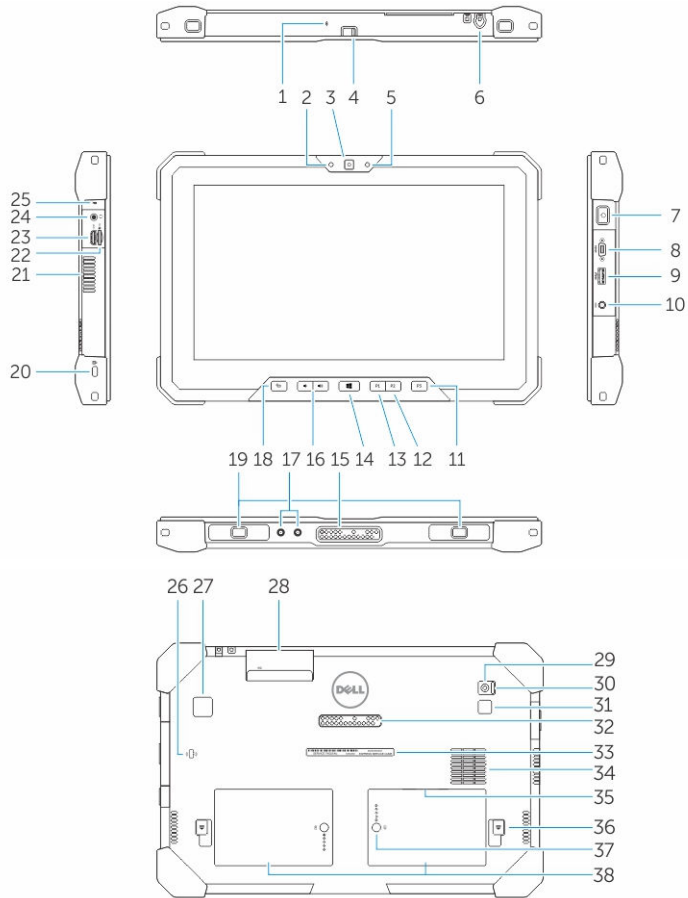
See www.dell.com for additional information on:

- 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.

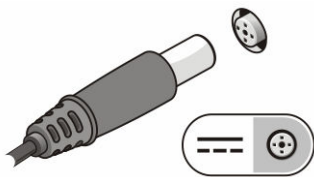


Figure 1. AC Adapter

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

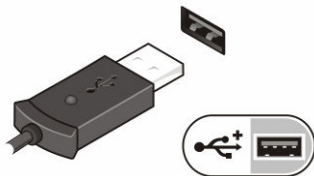


Figure 2. USB Connector

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

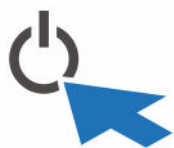


Figure 3. Power Button



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.

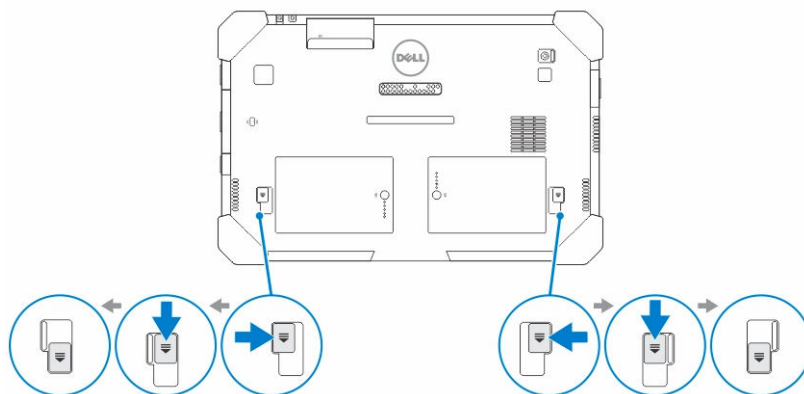
Removing the Battery


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.

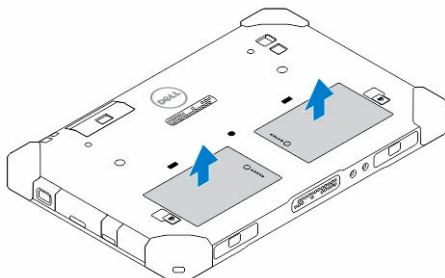
WARNING: Not for use in hazardous locations. See installation instructions.

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.



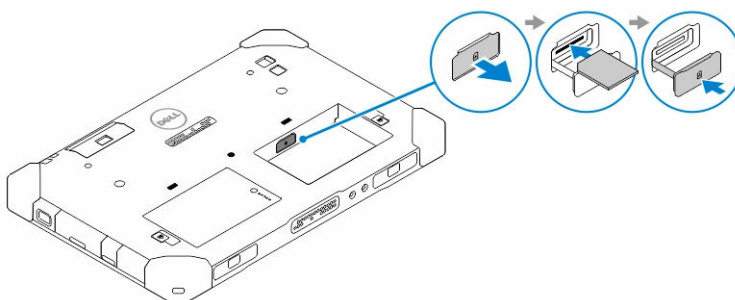
Installing the Battery

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

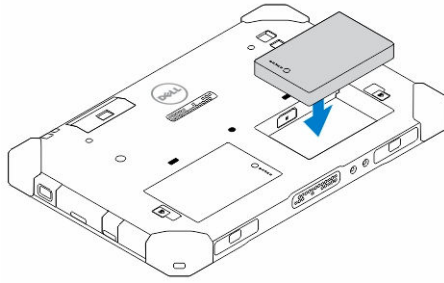
Installing the SIM Card

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

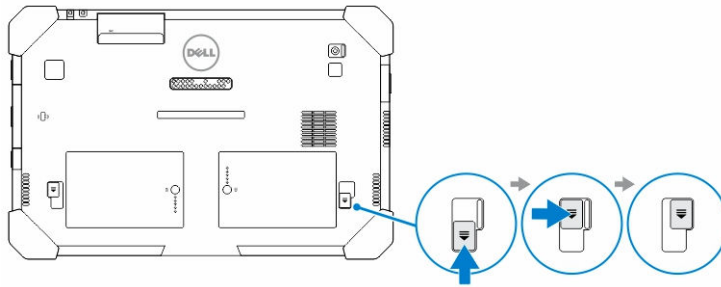
1. Remove the *battery*.
2. To install the SIM card:
 - a. Press the SIM latch and pull it in an outward direction.
 - b. Insert the SIM card into the slot.
 - c. Push the SIM release latch inwards to lock it.

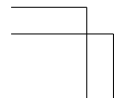


3. Install the battery into the battery bay.



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



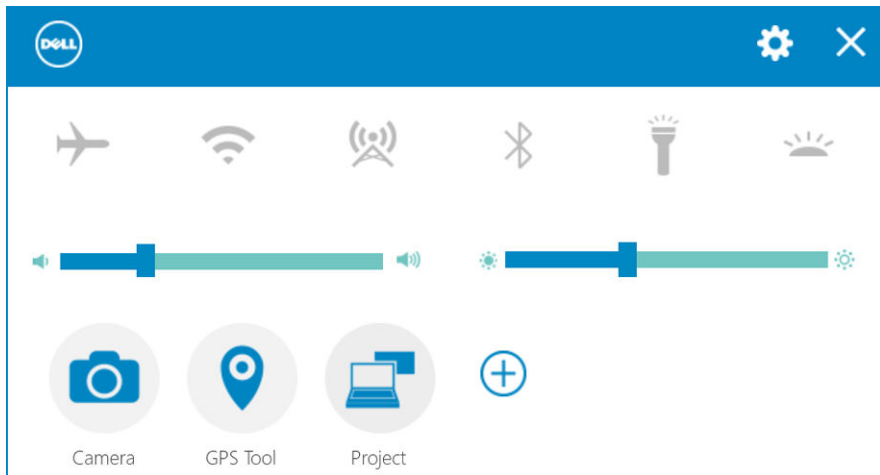


Dell Rugged Control Center Application










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:

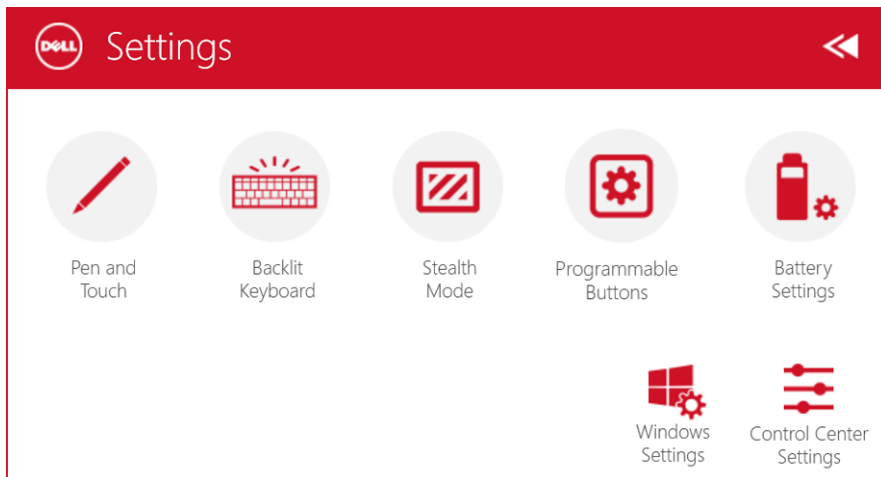
| Feature | Description |
|---|---|
|  | Allows you to enable or disable the airplane mode. |
|  | Allows you to enable or disable the WLAN.  NOTE: To connect to the WLAN, make sure you have your network configured. |
|  | Allows you to enable or disable the WWAN / Mobile broadband service (if configured). |
|  | 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. |
|  Camera | Launches the camera application. |
|  GPS Tool | 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. |

| Feature | Description |
|--|--|
|  Project | 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 |
|---|--|
|  <p>Pen and Touch</p> | <p>Launches the Windows control panel for pen and touch settings.</p> |
|  <p>Backlit Keyboard</p> | <p> NOTE: This option is compatible only if you have the optional keyboard accessory for your tablet.</p> <p>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.</p> |
|  <p>Stealth Mode</p> | <p>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.</p> |
|  <p>Programmable Buttons</p> | <p>Launches a control panel to assign actions to the 3 programmable buttons on the front of the tablet.</p> |
|  <p>Battery Settings</p> | <p>Launches the Windows control panel for battery settings.</p> |
|  <p>Windows Settings</p> | <p>Launches the Windows control panel.</p> |

| 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

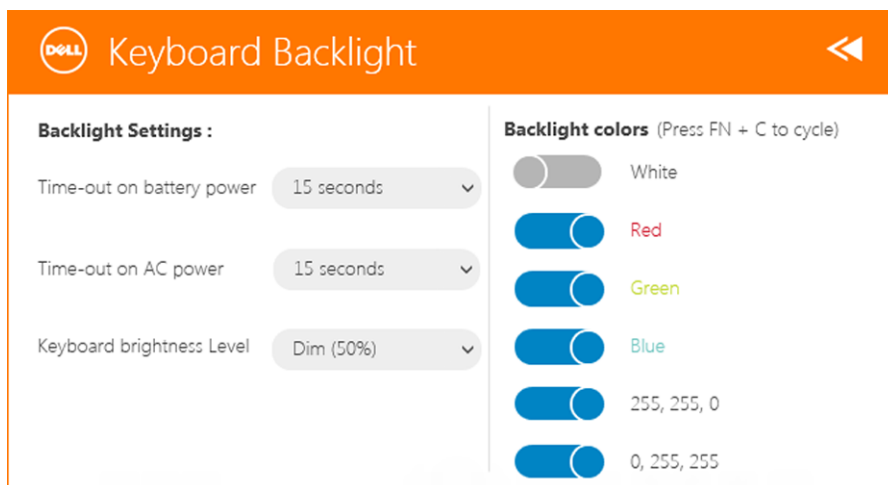
 **NOTE:** This feature can be used only if the tablet is connected to an external keyboard accessory (sold separately).

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




Backlit
Keyboard

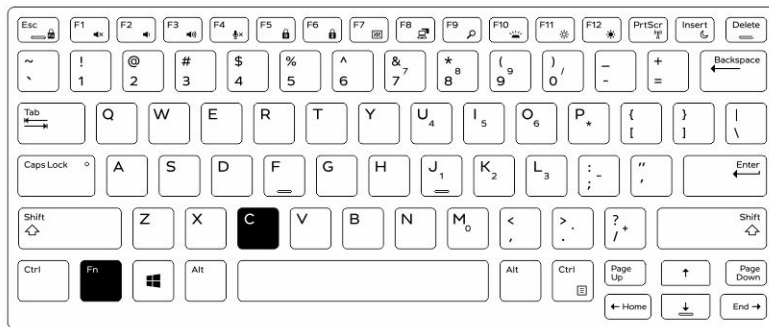
3. Press the **Backlit Keyboard** button to access the Backlit Keyboard control panel.
4. Adjust the required parameters for Backlight settings and Backlight colors.



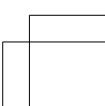
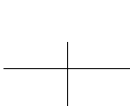
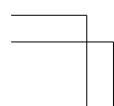
Changing the Keyboard Backlight Colors

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.



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



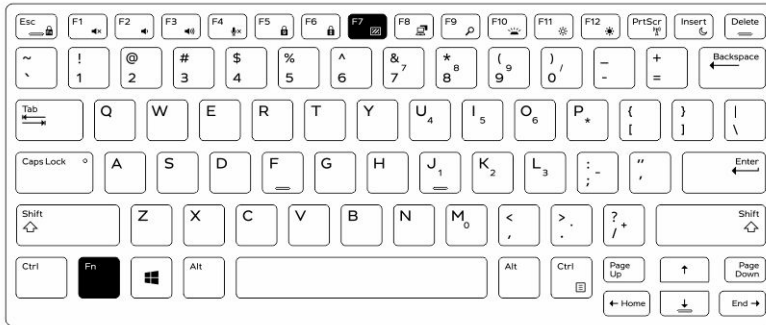
NOTE: The following steps are applicable only if you have attached the optional accessory keyboard to your tablet. Stealth mode can be setup within the tablet by using the Rugged Control Center (RCC) application pre-loaded on the device.

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

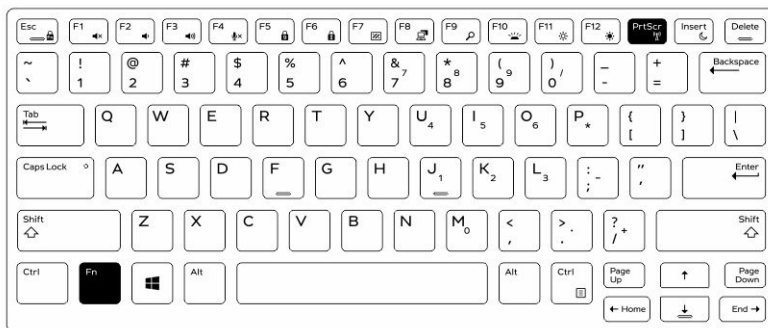
You can enable or disable the wireless (Wi-Fi) feature, using the optional keyboard accessory and using the programmable buttons in RCC application.



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.



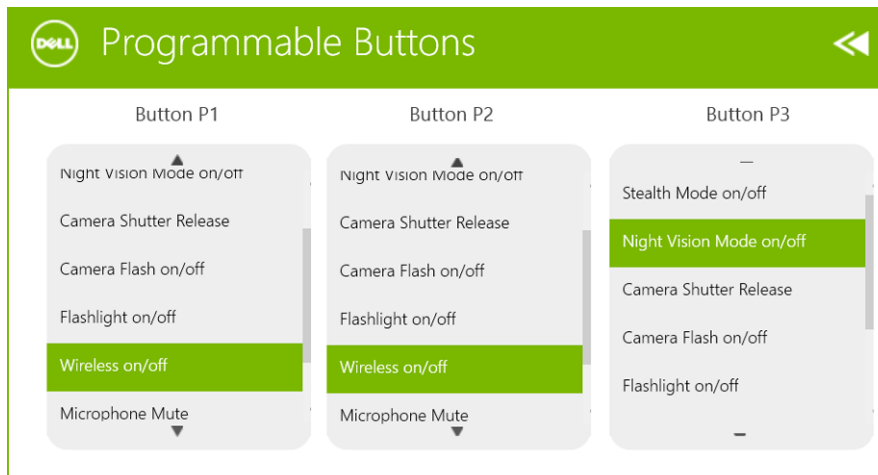
Enabling and Disabling Wireless (WiFi) Feature Using RCC

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.

Smart Cards

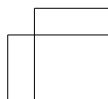
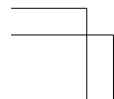
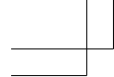
There are two main types of Smart or Common Access Cards (CAC):

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 | <ul style="list-style-type: none"> 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 |

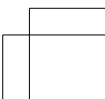
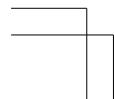
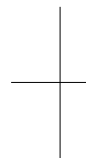
Relative humidity (maximum):

| | |
|-----------|--------------------------------------|
| 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 |
|----------------------------|---------------------------------|



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**.

