D140

Ultra-Rugged Tablet

Intel® Core™ i5-1235U (12M Cache, up to 4.40 GHz)

Windows 11 IoT Enterprise LTSC



User Guide

Version 1.0
Document Part No. 91521110115G

Please read the instructions carefully before using this product, and save this manual for future use.

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Chapter 1: Read Me First

1.1 Advisory Conventions

Four types of advisories are used throughout the user manual to provide helpful information or to alert you to the potential for hardware damage or personal injury. These are Notes, Important, Cautions, and Warnings. The following is an example of each type of advisory.

Note:
A note is used to emphasize helpful information

Important:
An important note indicates information that is important for you to know.

Caution A Caution alert indicates potential damage to hardware and explains how to avoid the potential problem.

Attention Une alerte d'attention indique un dommage possible à l'équipement et explique comment éviter le problème potentiel.

Warning! An Electrical Shock Warning indicates the potential harm from electrical hazards and how to avoid the potential problem.

Avertissement! Un Avertissement de Choc Électrique indique le potentiel de chocs sur des emplacements électriques et comment éviter ces problèmes.

1.2 Declaration of Conformity (DoC)

FCC Statement

This device complies with part 15 FCC rules.

Operation is subject to the following two conditions:

- This device may not cause harmful interference.
- This device must accept any interference received including interference that may cause undesired operation

This equipment has been tested and found to comply with the limits for a class "B" digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at him own expense.

CE Notice (European Union)

Electromagnetic Compatibility Directive (2014/30/EU)

- EN55024: 2010/ A1: 2015
  - IEC61000-4-2: 2009
  - IEC61000-4-3: 2006+A1: 2007+A2: 2010
  - IEC61000-4-4: 2012
  - IEC61000-4-5: 2014
  - IEC61000-4-6: 2014
  - IEC61000-4-8: 2010
  - IEC61000-4-11: 2004
- EN55032: 2015/AC:2016
- EN61000-3-2:2014
- EN61000-3-3:2013

Low Voltage Directive (2014/35/EU)

- EN 60950-1:2006/A11:2009/A1:2010/A12:2011/ A2:2013

This equipment is in conformity with the requirement of the following EU legislations and harmonized standards. Product also complies with the Council directions.

1.3 Safety Information



Precaution on Battery Pack
Précaution avec le bloc-pile

Do Not Disassemble, Modify, or Insert Sharp Objects Into the Battery Pack. Electrolyte leakage, generation of heat, ignition, or rupture may result.
[FR] Ne pas démonter, modifier, ou insérer des objets pointus à l'intérieur du bloc-pile. Une fuite d'électrolyte, la génération de chaleur, l'amorçage ou la rupture peuvent être occasionnés.

Do Not Short the Positive (+) and Negative (-) Terminals of the Battery. Generation of heat, ignition, or rupture may result. When carrying or storing the device, do not place the battery pack together with articles that may contact electricity.
[FR] Ne pas court-circuiter les bornes Positive (+) et Négative (-) de la pile, la génération de chaleur, l'amorçage ou la rupture peuvent être occasionnés. Lors du transport et du rangement de l'appareil, ne pas placer le bloc-pile en même temps que des articles pouvant créer un contact électrique.

Do Not Apply Shocks to the Battery by Dropping It or Applying Strong Pressure to It. Electrolyte leakage, generation of heat, ignition, or rupture of a battery may occur.
[FR] Ne pas faire subir de choc à la pile en la laissant tomber ou en appliquant une forte pression dessus. Une fuite d'électrolyte, la génération de chaleur, l'amorçage ou la rupture peuvent être occasionnés.

Do Not Charge the Battery Other Than Methods Those Specified In This Manual. If the battery is not charged using one of the specified methods, electrolyte leakage, generation of heat, ignition, or rupture may result.
[FR] Ne pas charger la pile par d'autres méthodes que celles spécifiées dans ce manuel. Si la pile n'est pas chargée en utilisant l'une des méthodes spécifiées, une fuite d'électrolyte, la génération de chaleur, l'amorçage ou la rupture peuvent être occasionnés.

When the Battery Pack Has Deteriorated, Replace It with a New Battery. Continued use of a damaged battery pack may result in heat generation, ignition or battery rupture.
[FR] Lorsque la pile est détériorée, la remplacer par une nouvelle pile. L'utilisation continue d'une pile endommagée peut occasionner une génération de chaleur, l'amorçage ou la rupture de la pile.

Do Not Expose the Battery Pack to Excessive Heat, or Extreme Heat (Near Fire, in Direct Sunlight for example) Generation of heat, ignition or rupture may result
[FR] Ne pas exposer le bloc-pile à une Chaleur Excessive, ou une Chaleur Extrême (Près d'un feu, sous la lumière du soleil par exemple) Une production de chaleur, l'amorçage ou la rupture peuvent être occasionnés

Do Not Use the Battery Pack With Any Other Products. The battery pack is rechargeable and is only designed for this specific product. If it is used with a product other than the specified product, electrolyte leakage, generation of heat, ignition, or rupture may result.
[FR] Ne pas utiliser avec un autre produit La batterie est rechargeable et a été conçue pour un produit spécifique. Si elle est utilisée sur un produit différent
de celui pour lequel elle a été conçue, des pertes d'électrolytes et une production de chaleur sont possibles, elle risque également de prendre feu ou de casser.

Do Not Use This Product With Battery Other Than the One Specified.
[FR] Ne pas utiliser ce produit avec une batterie autre que celle spécifiée

Discontinue using the device immediately if you notice the battery is swelling or looks puffy or misshapen. Do not attempt to charge or use the device. Do not handle a damaged or leaking battery. Do not let leaking battery fluid come into contact with your eyes, skin or clothing.
[FR] Si vous remarquez une pile gonflée, élargie ou anormale, cesser l'utilisation de l'appareil immédiatement. N'essayez pas de recharger l'appareil ou de l'utiliser. Ne pas manipuler une pile qui fuit ou qui est endommagée. Ne laissez pas de liquide qui fuit entrer en contact avec vos yeux, votre peau ou vos vêtements.



General Product Safety
Sécurité générale des produits

- Do not block any ventilation openings. Do not place the product against a wall or in an enclosed space as doing so might impede the flow of cooling air.
- *[FR] Ne pas bloquer les ouvertures de ventilation. Ne pas placer le produit contre un mur ou dans un espace clos de façon à entraver la circulation de l'air de refroidissement.*

- Do not place the product near any heat sources such as radiators, warm air intakes, stoves, or other heat-generating devices (including amplifiers or other heat-producing equipment).
- *[FR] Ne pas placer le produit près d'une source de chaleur comme des radiateurs, les arrivées d'air chaud, poêles ou autres produits générant de la chaleur (y compris les amplificateurs ou autre équipement produisant de la chaleur.)*

- Protect the power cord from being crushed or pinched, particularly in the area of the plugs, any receptacles used, and the point of exit from the apparatus. Do not break off the ground pin of the power cord.
- *[FR] Empêcher le cordon d'alimentation d'être écrasé ou pincé, en particulier dans les zones de prises, des containers utilisés, et du point de sortie de l'appareil. Ne pas casser la broche de terre du cordon d'alimentation.*

- Do not disregard the safety that a polarized or grounded connection can provide. A polarized connection consists of two plugs, one of which is larger than the other. A grounded connection has two blades and a third one that is grounded. If the main plug provided cannot be inserted into your outlet, consult an electrician to replace your obsolete outlet.
- *[FR] Ne pas ignorer la sécurité qu'une prise polarisée ou une prise de terre peut prévoir. Une prise polarisée se compose de deux fiches, dont l'une est plus large que l'autre. Une prise de terre possède deux lames et une troisième qui est la terre. Si la fiche principale fournie ne peut être insérée dans votre prise, consultez un électricien pour remplacer votre prise obsolète.*

- Use only accessories specified by the manufacturer.
  [FR] Utiliser uniquement les accessoires spécifiés par le fabricant.

- This product should not be used near water, such as bathtubs, sinks, swimming pools, wet basement, etc.
  [FR] Ce produit ne dois pas être utilisé près de l'eau comme les baignoires, les éviers, les piscines, les sous-sols humides, etc.

- Use only with its transport carriage, stand, tripod, console, or table specified by the manufacturer or sold with the product. When using a carriage, move the carriage assembly with the product carefully to avoid damage from falling over.
- *[FR] Utiliser uniquement avec son chariot de transport, support, trépied, console ou table spécifiés par le fabricant ou vendu avec le produit. Lors de l'utilisation d'un charriot, déplacez l'ensemble chariot avec le produit avec soin pour éviter tout dommage de chute.*

- Unplug this apparatus during lightning storms or when it is not being used for long periods.
- *[FR] Débrancher cet appareil durant les orages ou lorsqu'il n'est pas utilisé pendant de longues périodes.*

- Refer all servicing to qualified service personnel. A technical intervention is required when the apparatus has been damaged in any way, for example, if the power cord or plug is damaged, liquid has been spilled, or objects have fallen inside the unit if the product has been exposed to rain or moisture, if it does not operate normally or if it has been dropped.
- *[FR] Confier toute réparation à du personnel qualifié. Une intervention technique est nécessaire lorsque l'appareil a été endommagé de quelque façon, par exemple si le cordon d'alimentation ou la fiche est endommagé, du liquide a été renversé ou des objets sont tombés à l'intérieur de l'unité, si le produit a été exposé à la pluie ou à l'humidité, s'il ne fonctionne pas normalement ou s'il a été jeté.*

General Guideline
Directive générale

It is recommended to reboot the device when some functions are defect or inactive. If it still can't solve the problems, please contact your dealer or agent.
[FR] Il est recommandé de redémarrer l'appareil lorsque certaines fonctions sont défectueuses ou inactives. Si le problème persiste, veuillez contacter votre revendeur ou votre agent.

1.4 Handling and Maintenance

General Guideline
Guide Général

Keep the product at least 13 cm (5 inches) away from electrical appliances that can generate a strong magnetic field such as TV, refrigerator, motor, or a large audio speaker.
[FR] Garder le produit au moins à 13 cm (5 pouces) de distance des appareils électriques qui peuvent générer un fort champ magnétique comme une télévision, un réfrigérateur, un moteur, ou un important haut-parleur.

Do not place heavy objects on top of the tablet computer as this may damage the display.
[FR] Ne pas placer d'objets lourds sur le dessus de l'ordinateur tablette cela peut endommager l'écran.

The screen surface can be easily scratched. Use with care. Do not use paper towels to clean the display but use the included cleaning cloth. Avoid touching it with a pen or pencil.
[FR] La surface de l'écran peut être facilement rayée. Utiliser avec précaution. Ne pas utiliser de serviette en papier pour nettoyer l'écran mais utiliser le chiffon de nettoyage inclus. Éviter de toucher avec un stylo ou un crayon.

To maximize the life of the backlight in the display, allow the backlight to automatically turn off as a result of power management. Avoid using a screen saver or other software that prevents power management from working.
[FR] Pour maximiser la durée de vie du rétroéclairage de l'écran, autoriser le rétroéclairage résultant de la gestion de l'alimentation. Éviter d'utiliser un économiseur d'écran ou un autre logiciel empêchant la gestion de l'alimentation de fonctionner.

Touchscreen Guideline
Guide de l'écran tactile

Use your finger or the stylus on display. Using sharp or metallic objects may cause scratches and damage the screen, thereby causing errors.
[FR]Utiliser votre doigt ou le stylet sur l'écran. L'utilisation d'un objet pointu ou métallique peut provoquer des rayures.

Use a soft cloth to remove dirt on display. The touchscreen surface has a special protective coating that prevents dirt from sticking to it. Not using a soft cloth may cause damage to the particular protective layer on the touchscreen surface. To clean off hard to remove dirt, blow some steam on the particular area, and gently wipe away using a soft cloth.
[FR]Utiliser un chiffon doux pour enlever la poussière sur l'écran. La surface de l'écran tactile a un revêtement protecteur spécial empêchant la saleté de se coller à lui. Ne pas utiliser un chiffon doux peut endommager le revêtement spécial sur la surface de l'écran tactile. Pour nettoyer les saletés plus difficiles à enlever, souffler de la buée sur la zone particulière et essuyer doucement avec un chiffon doux.

Do not use excessive force on display. Avoid placing objects on top of the display as this may cause the glass to break.
[FR]Ne pas utiliser une force excessive sur l'écran. Éviter de placer des objets au dessus de l'écran cela pourrait provoquer une cassure du verre.

When there is a noticeable discrepancy in the operation of the touchscreen function (your touch does not correlate to the proper location on the screen), recalibrate the touchscreen display.
[FR]Lorsqu'il y a un écart sensible dans le fonctionnement de l'écran tactile (votre contact ne correspond pas à la bonne position sur l'écran), recalibrer l'écran tactile.



Cleaning Guideline
Guide de nettoyage

Use a soft cloth moistened with water or a non-alkaline detergent to wipe the exterior of the product.
[FR] Utiliser un chiffon doux humidifié avec de l'eau ou un détergeant non alcalin pour essuyer l'extérieur du produit.

Gently wipe the display with a soft, lint-free cloth. Do not use alcohol or detergent on the product.
[FR] Essuyer délicatement l'écran avec un chiffon doux non pelucheux. Ne pas utiliser d'alcool ou un détergent sur le produit.

1.5 About This User Manual

This User Manual provides information about using the Winmate® D140 14” Ultra-rugged Windows Tablet. The documentation set includes information for specific user needs and includes:

- **14” Ultra-Rugged Tablet D140 User Manual** – contains a detailed description of how to use the Tablet, its components, and features.

Note: Some pictures in this guide are samples and can differ from the actual product.

Document Revision History

Version	Date	Note
1.0	23-Sep-2024	New document release

Chapter 2: Getting Started

Congratulations on purchasing the Winmate® D140 Ultra-Rugged Windows Tablet. The rugged design allows you to use it in harsh outdoor environments.

This User Manual tells you the step by step on how to get the Tablet Computer up and running.

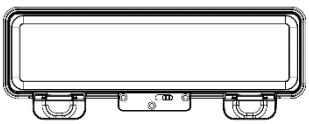
2.1 Packaging Content

Check and identify the supplied accessories:

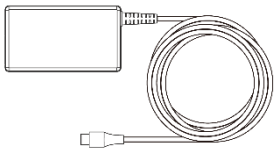
- **Rugged Tablet Computer**



- **Standard Battery BTM133**



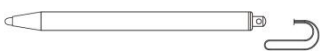
- **Type-C Adapter**



- **Power Cord**
  Varies by the country



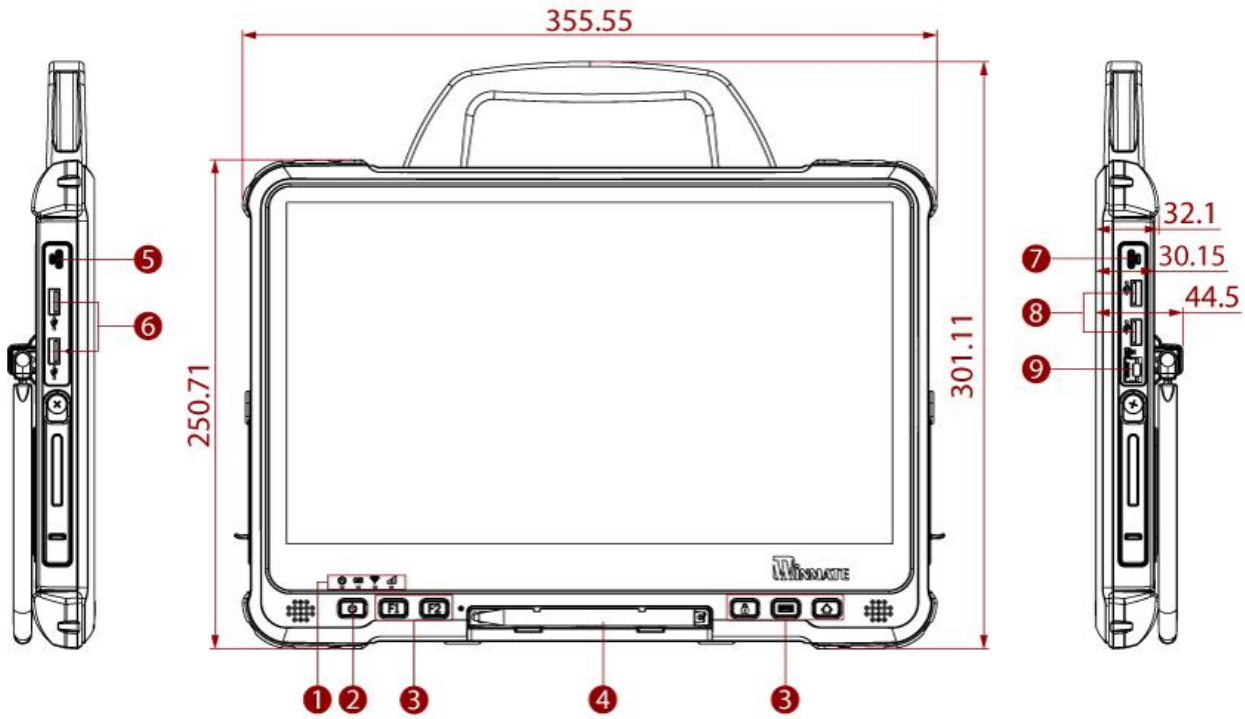
- **Stylus**



2.2 Description of Parts

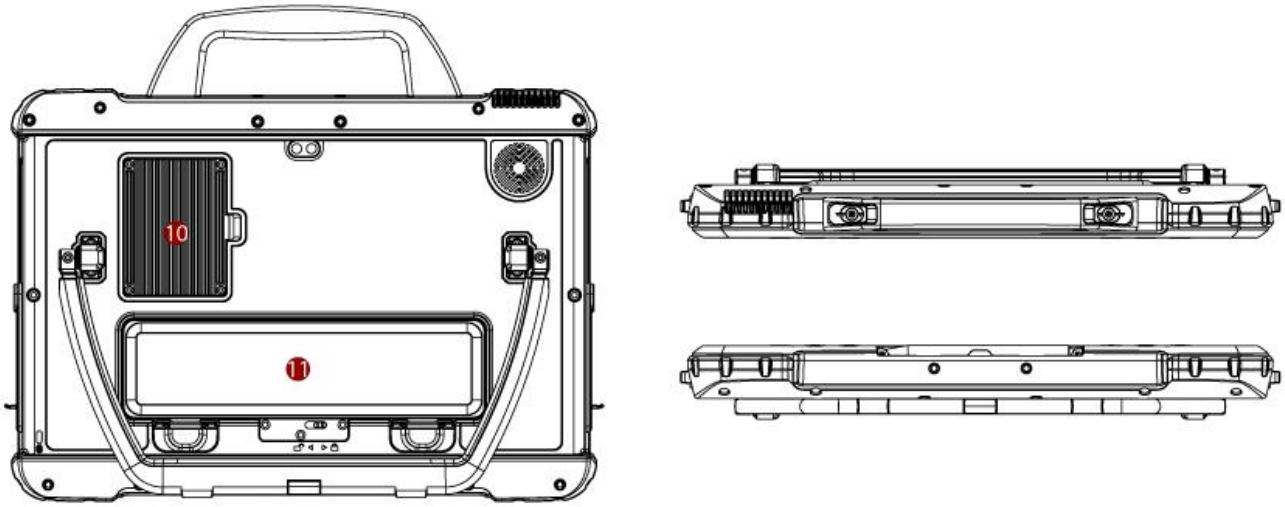
Front View:

Dimensions: 355.55 x 250.71 x 32.1 mm



No	Item	Description
1	LED Indicators	Show the current status of the tablet computer: Power, Battery, WLAN,WWAN
2	Power Switch	Turns on/ off the tablet computer.
3	Function Buttons	5 front side physical keys each with specific functions to give users a single-button access to some of the most popular functions for the Tablet: F1, F2, Key Lock, Keyboard, HOME KEY.
4	Pen Holder	Holder slot for the stylus.
5	USB 3.0 Type-C	USB Type-C connector to connect to external devices. **Note:** The USB Type-C support Alternate Mode (ALT) or USB Power Delivery (USB-PD).
6	USB 3.2 Type-A	USB 3.2 port connects to USB devices, such as USB flash drive, mouse, keyboard, printer, etc.
7	USB 3.0 Type-C	USB Type-C connector to connect to external devices. **Note:** The USB Type-C support Alternate Mode (ALT) or USB Power Delivery (USB-PD).
8	USB 3.2 Type-A	USB 3.2 port connects to USB devices, such as USB flash drive, mouse, keyboard, printer, etc.
9	RJ45-10/100/1000 Mbps LAN	Connects the Tablet Computer to the network.

Rear View:



No	Item	Description
10	Service Window	Provides access to SSD and WLAN,WWAN.
11	Battery	10.9V, typ. 6700 mAh, 73.03Wh LiOn Battery (3S2P)

2.3 Key Function for POST (Before boot up)

For the physical buttons on the tablet computer, in addition to their dedicated functions, they can also be set up device settings in the BIOS. Under a different scenario, a single physical provide different keyboard keystrokes, which are specified below.

Under POST (Before boot up):

Buttons	Pre-boot
Power	Power On/ Off
Lock	Recovery Menu
F1	BIOS
F2	PXE Boot

LED Indicators:

Item	Symbol	Description
Power Indicator		**Blue –** Tablet is ON **No light –** Tablet is OFF
Battery Status		**Orange –** AC adapter is plugged in and charging **Green –** AC adapter is plugged in and battery is fully charged **Red –** Low battery (<10%) **No light –** Battery is in use and more than 10%
WLAN		**Green –** WLAN is ON **No light –** WLAN is OFF
WWAN		**Green –**WWAN is ON **No light –**WWAN is OFF

Chapter 3: First-time Operation

This chapter details how to install the battery, charge your tablet device, adjust the kickstand postion, and how to start the tablet.

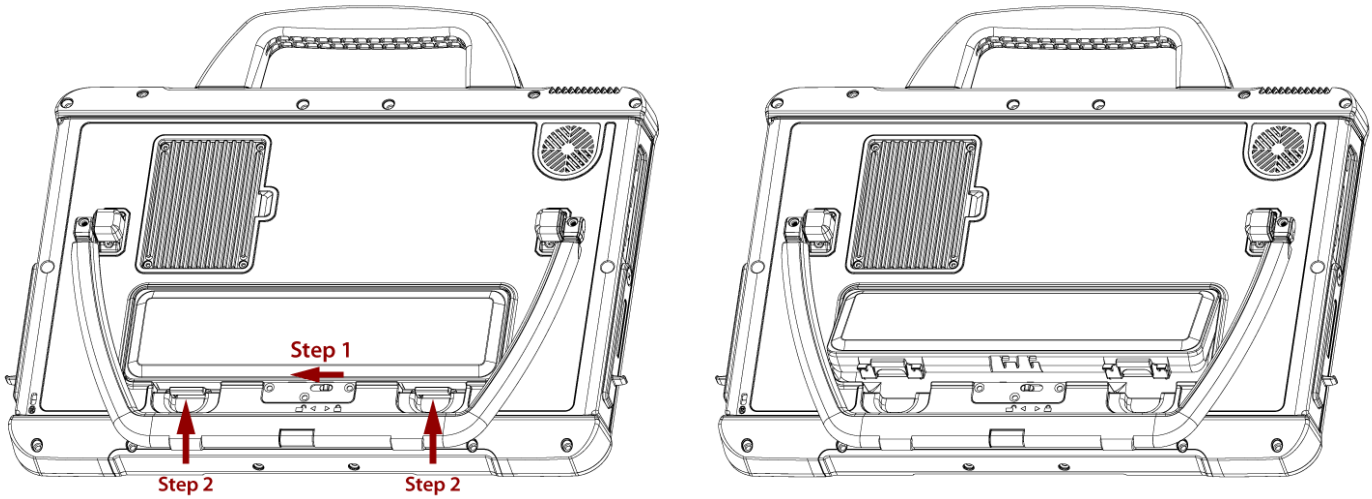
3.1 Inserting Battery Pack

Caution Charge the built-in back-up battery every two months to keep battery health and prevent possible issues from battery over-discharge.
Attention Chargez la batterie de secours intégrée tous les deux mois pour préserver la santé de la batterie et éviter d'éventuels problèmes de décharge excessive de la batterie.

Caution Disconnect any cords connected to the tablet computer before installing or removing the battery procedure.
Attention Débranchez tous les cordons connectés à la tablette avant l'installation ou la procédure de retrait de la batterie.

To insert the standard battery pack:

1. Disconnect any cords connected to the tablet computer.
2. Turn the tablet computer over, back facing up.
3. Locate the Battery Lock Latch and push it to the "**Unlocked**" position.
4. Locate the Battery Release Slider that is spring-loaded. Pull back and hold.
5. Insert the battery on the connector-pins side first, and then lower the battery into the battery compartment.
6. Continue to hold the Battery Release Slider before the battery is fully inserted.
7. Make sure the battery is completely lowered into the compartment before letting go of the Battery Release Slider.
8. The battery will be flat against the housing once fully inserted.



To remove the battery pack:

1. Shut down the tablet computer (or put it to sleep). Disconnect any cords connected to the Tablet.
2. Turn the tablet computer over, back facing up.
3. Locate the Battery Lock Latch and push it to the "**Unlocked**" position.
4. Locate the Battery Release Slider that is spring-loaded. Pull back and hold.
5. Lift the battery out using the opening on the side of battery compartment.

3.2 Charge Your Tablet

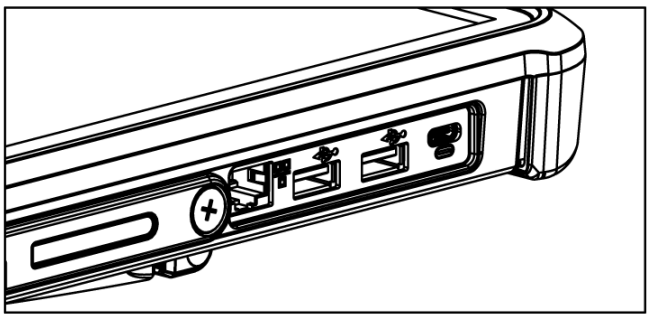
The Tablet Computer operates either on external AC power or internal battery power for over 6 hours. It is recommended to use AC power when you start up the Tablet Computer for the first time.

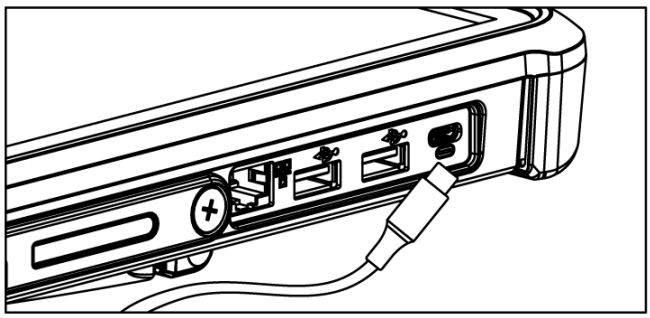
Caution Use only the AC adapter included with your Tablet Computer. Using other AC adapters may damage the Tablet Computer and the Battery.

Attention Utilisez uniquement l'adaptateur secteur fourni avec votre ordinateur tablette. L'utilisation d'autres adaptateurs secteur peut endommager la tablette tactile et la batterie.

Perform the following to connect the Tablet computer to AC Power:

1. On the side of the Tablet Computer, lift the I/O protective cover by pulling on the latch
2. Plug the DC cord of the AC adapter into the Power Jack of the tablet computer.
3. Plug the AC power cord into the AC adapter.
4. Finally, plug the AC power cord into the electrical outlet.





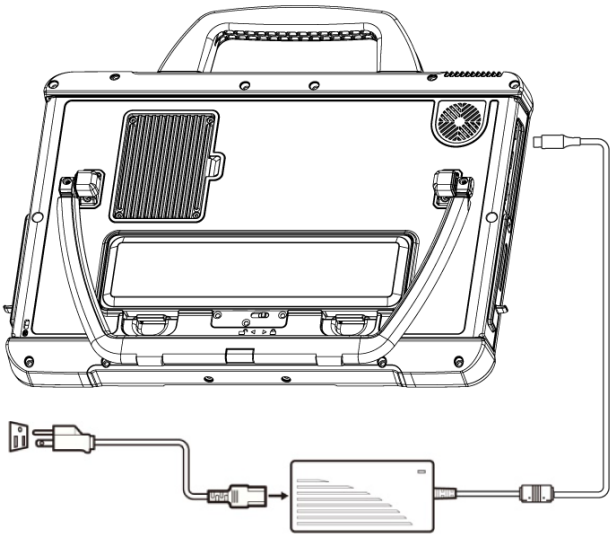
When the AC Adapter is connected, the battery pack starts charging. The battery LED indicator on the tablet computer will show different states. Please refer to the description of the LED indicator in the Description of Parts.

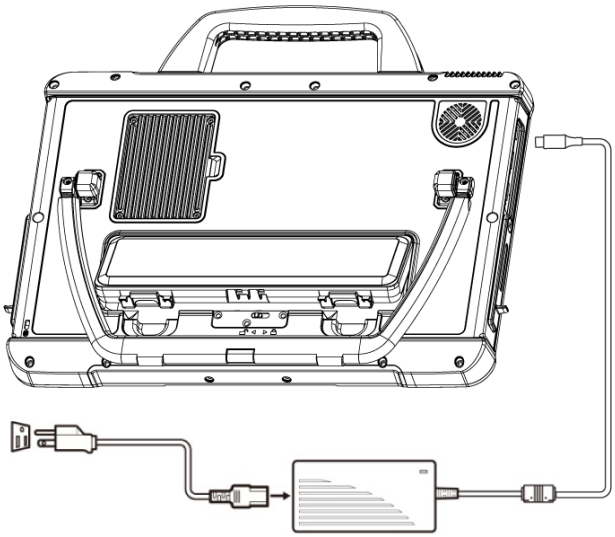
3.3 Battery Cold Swap

The Tablet Computer supports a cold swap of batteries, meaning that you must replace the main battery while the Tablet is running and connected to the power supply.

Perform the following to swap the batteries:

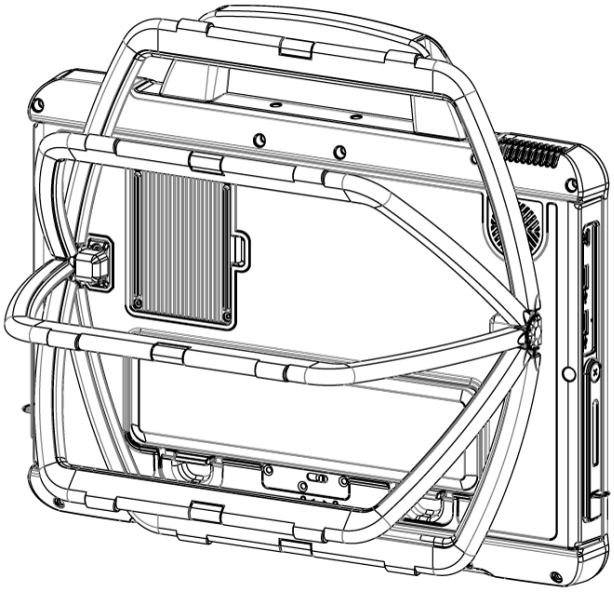
1. Use AC adapter to connect the Tablet Computer to the source of power.
2. Remove the battery pack.
3. Insert into the battery compartment.
4. Insert a newly charged battery on the connector-pins side first, and then lower the battery into the battery compartment.
5. Continue to hold the Battery Release Slider before the battery is fully inserted.
6. Make sure the battery is completely lowered into the compartment before letting go of the Battery Release Slider. Battery should be flat against the housing once fully inserted.



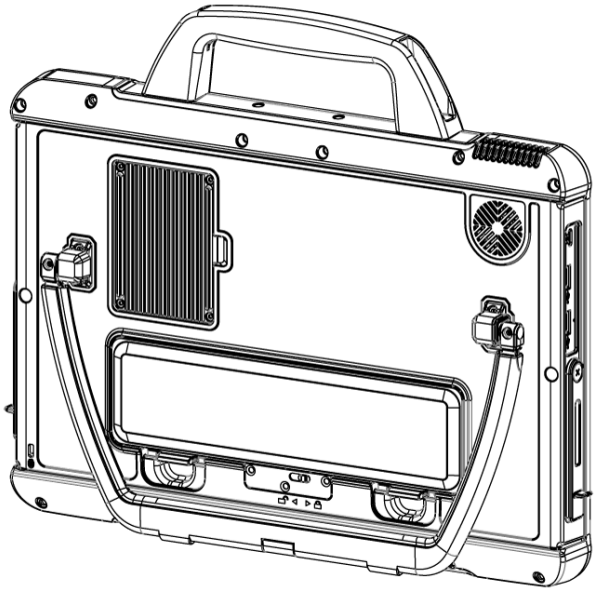


3.4 Adjusting Kickstand Position

The D140 Ultra-Rugged Tablet has an integrated kickstand. The user can adjust the kickstand for variable positioning on any surface.



Adjusting Kickstand Position



Kickstand

3.5 Turning On and Off

Turning On

Press and hold the power button for **3 seconds** until the blue LED power indicator light up.

Note:

- Do not press the power button repeatedly.
- Do not perform the following operations until the Disk Activity Indicator off
  - Connecting or disconnecting the AC adapter
  - Pressing the power button
  - Touching the tablet buttons, screen, or external keyboard/mouse

Turning Off

Perform the following procedure to power off the Tablet Computer:

1. Make sure you have closed any programs that are open on the Desktop. Start Screen apps don't need to be closed.
2. Tap on the **Settings** charm.
3. Tap on **Power**.
4. Tap on **Shut Down**.
5. Wait for Tablet Computer to power off.

Note: If the system does not respond, please forcibly turn the tablet computer off by pressing and holding the power button for **6 seconds or longer**.

Chapter 4: Setting Up Windows for the First Time

This chapter details how to setup the Windows that may be installed on the Tablet for the first time.

4.1 Introduction

The D140 Ultra-Rugged Tablet operates on Windows 11 IoT Enterprise LTSC operating system.

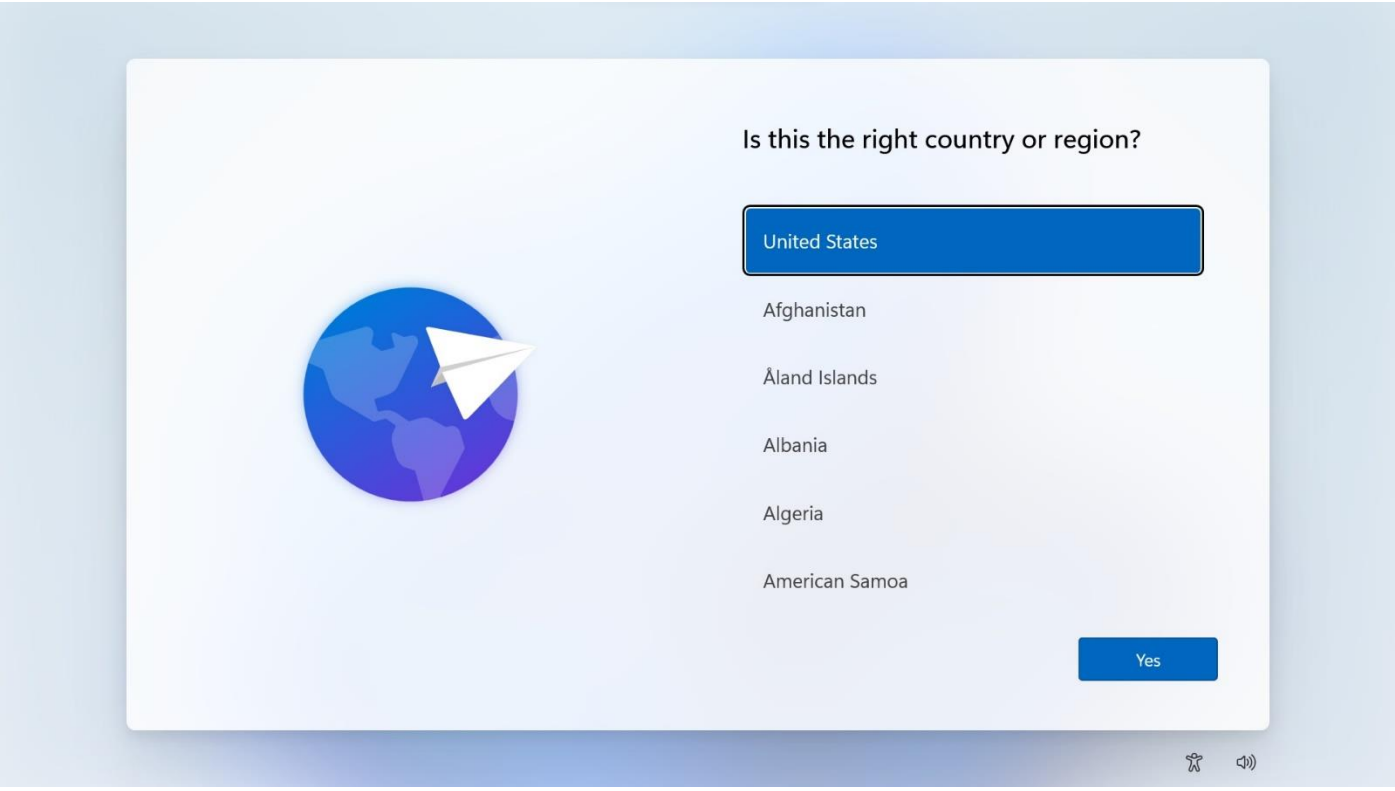
Important Make sure the battery is full charged before starting the Tablet Computer for the first time with internal battery power.

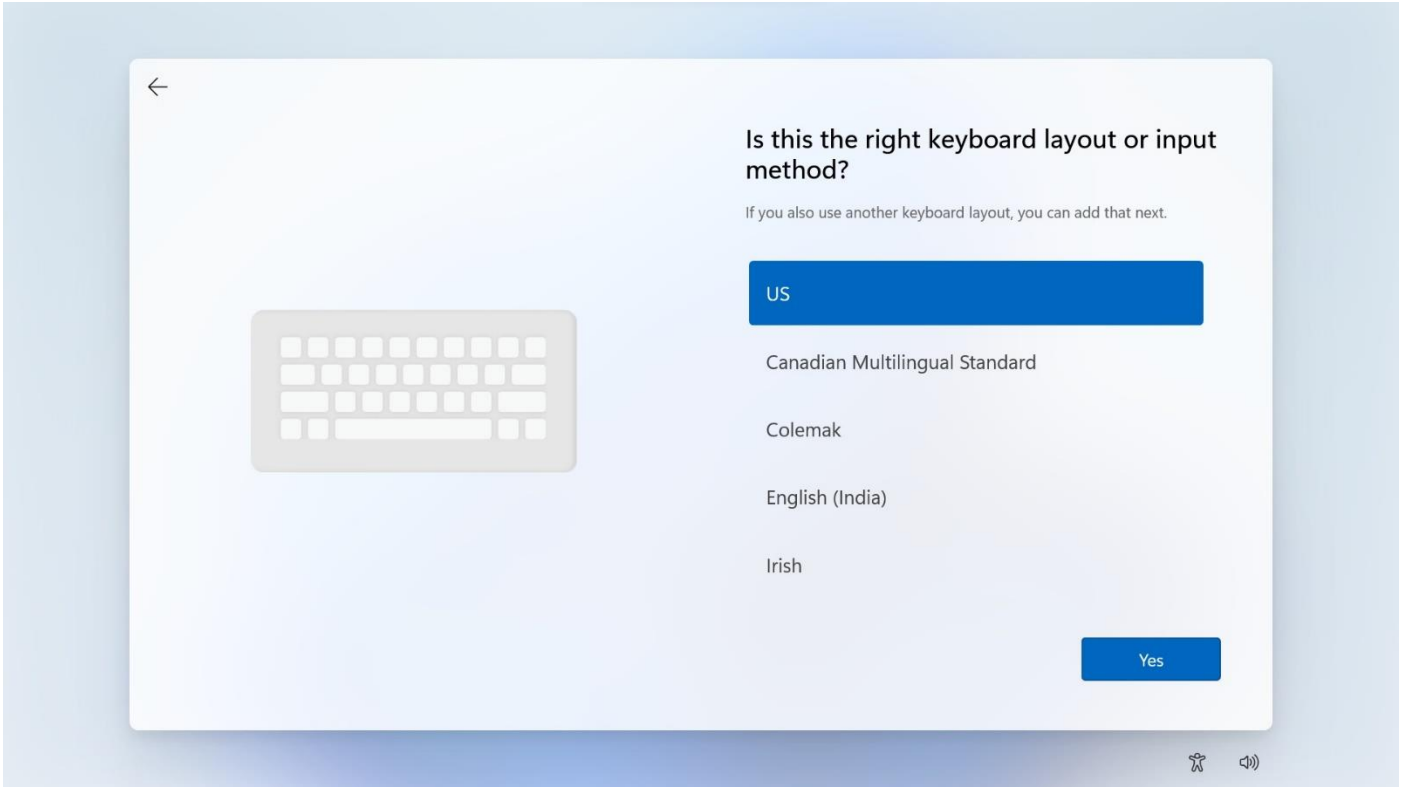
- **Public network:** Select this location if you do not recognize all the computers on the network (For example, you are in a coffee shop or airport, or you have mobile broadband). This is a public network and is *not* trusted. Select the location where you will most often use the computer.

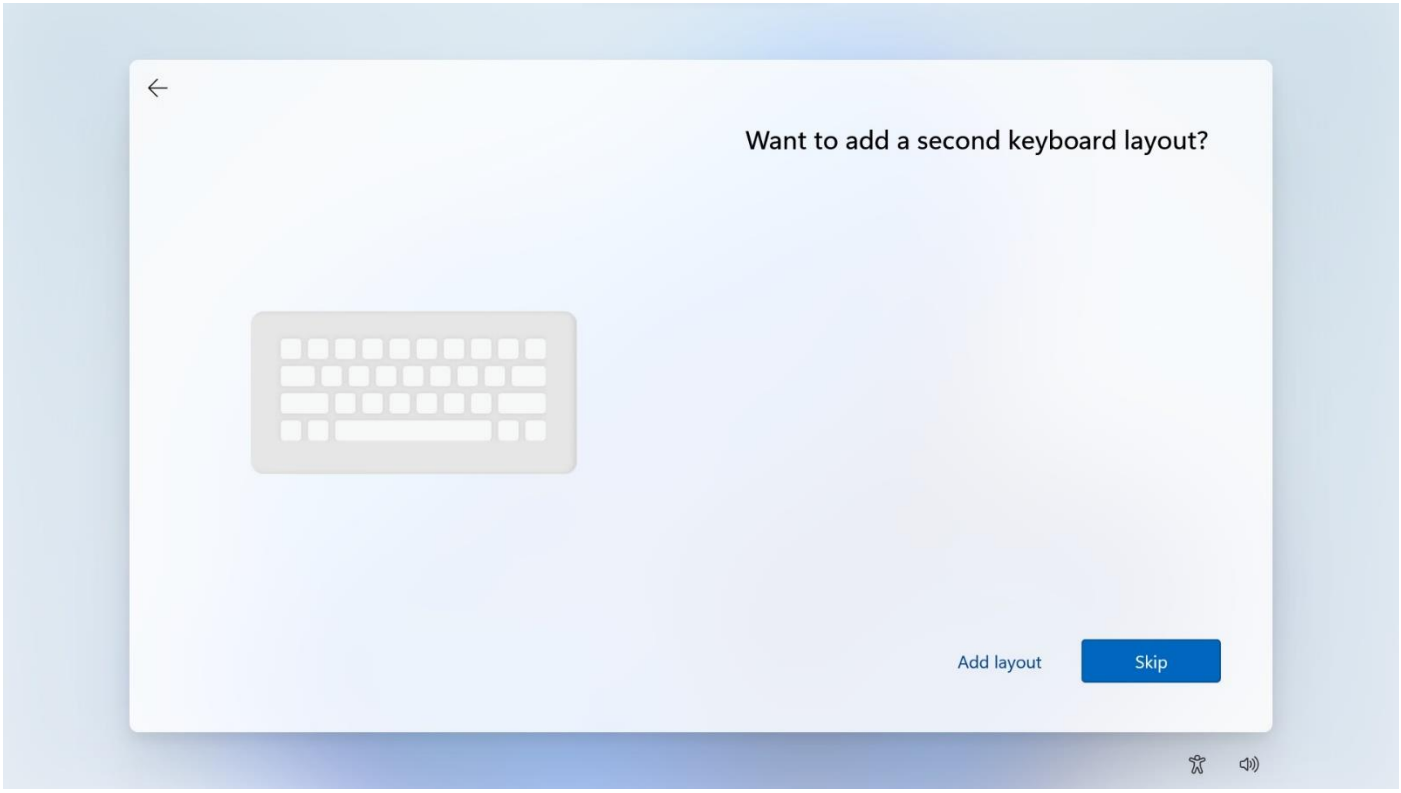
4.2 Setting up Windows 11 IoT Enterprise

Follow the steps below to complete the Windows 11 IoT Enterprise setup process.

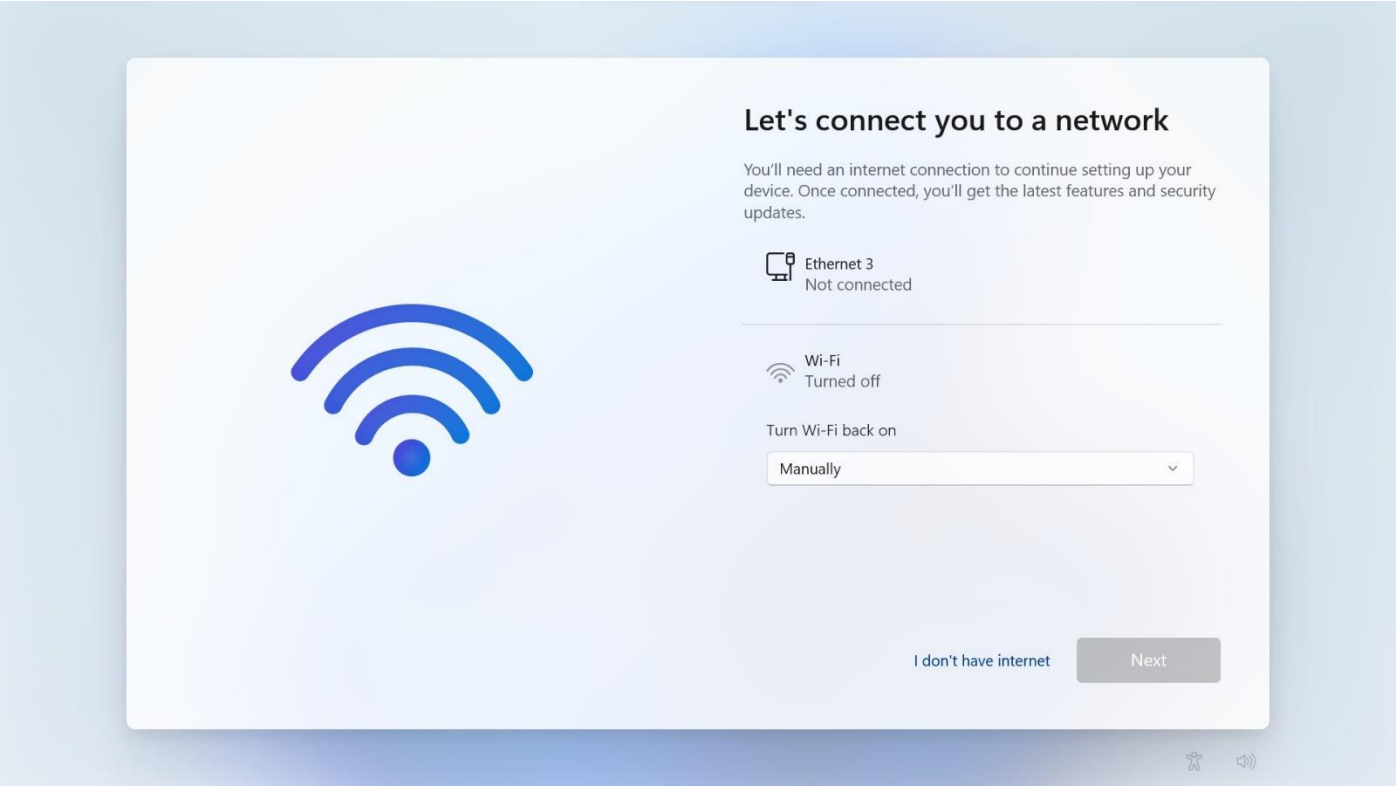
1. Press the power button to turn on the computer.
2. First, select your country/region, and your preferred keyboard layout(s), then tap **Yes**.



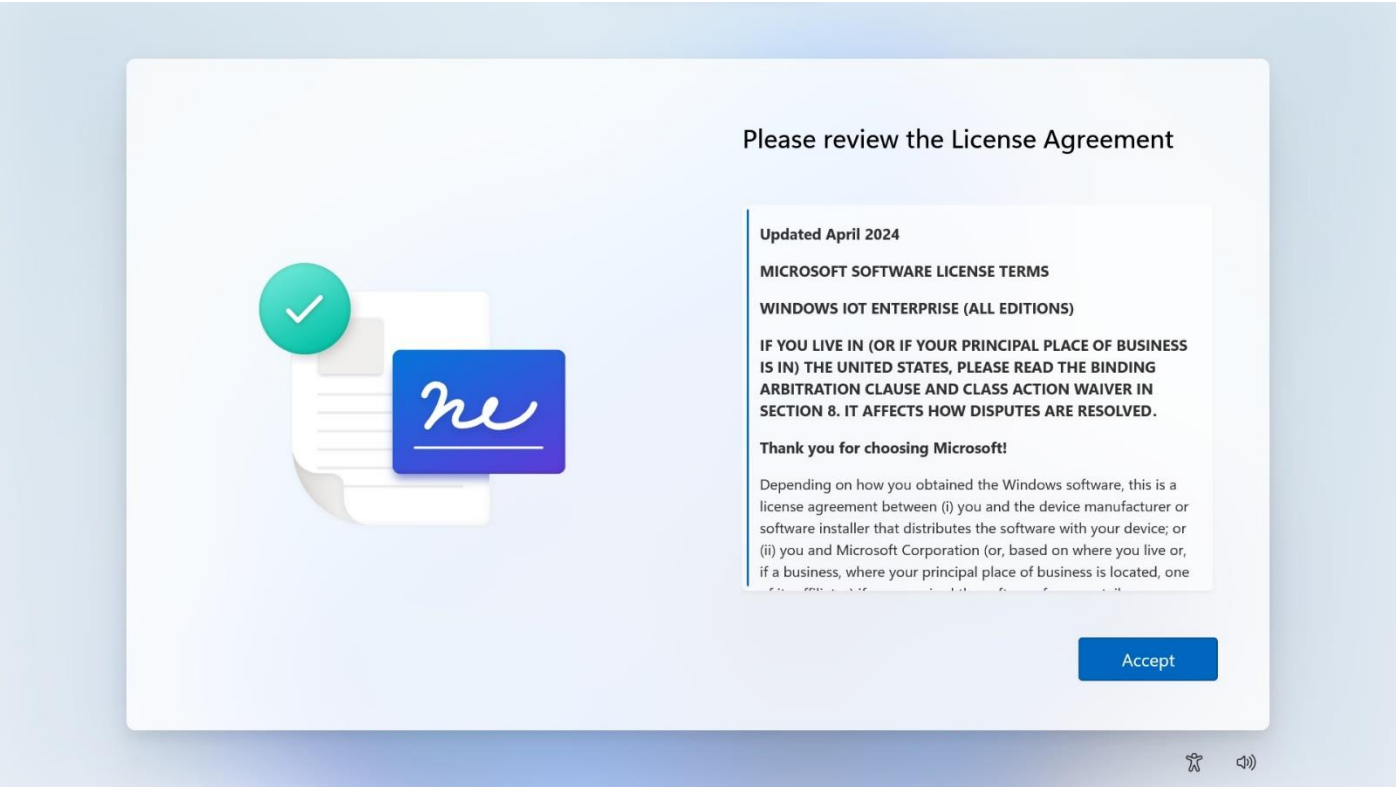

Is this the right keyboard layout or input method?
If you also use another keyboard layout, you can add that next.
US
Canadian Multilingual Standard
Colemak
English (India)
Irish
Yes


Want to add a second keyboard layout?
Add layout
Skip

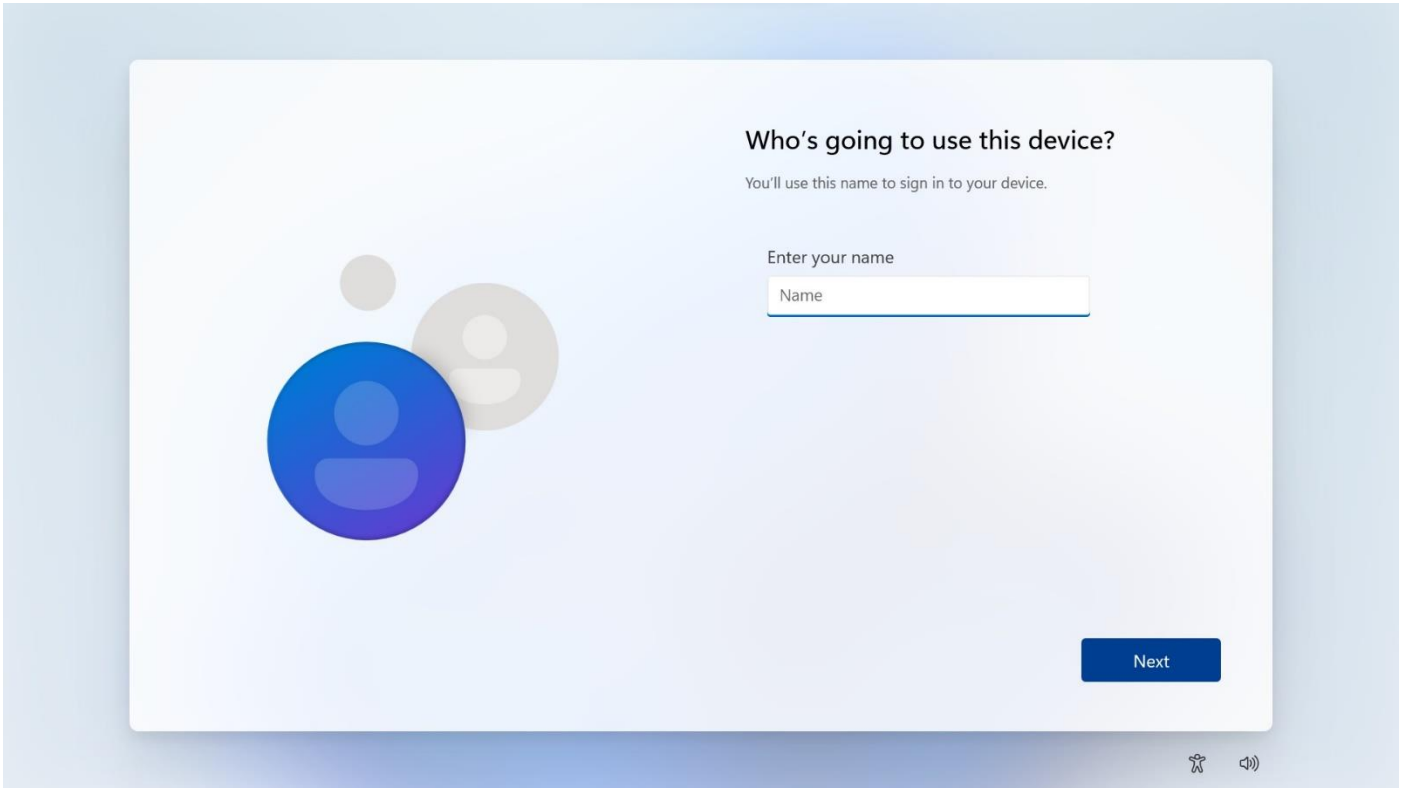
3. Windows will then try to connect to network. Press **I don't have internet** to skip this step to continue without a wireless connection as you can then set up the network later.

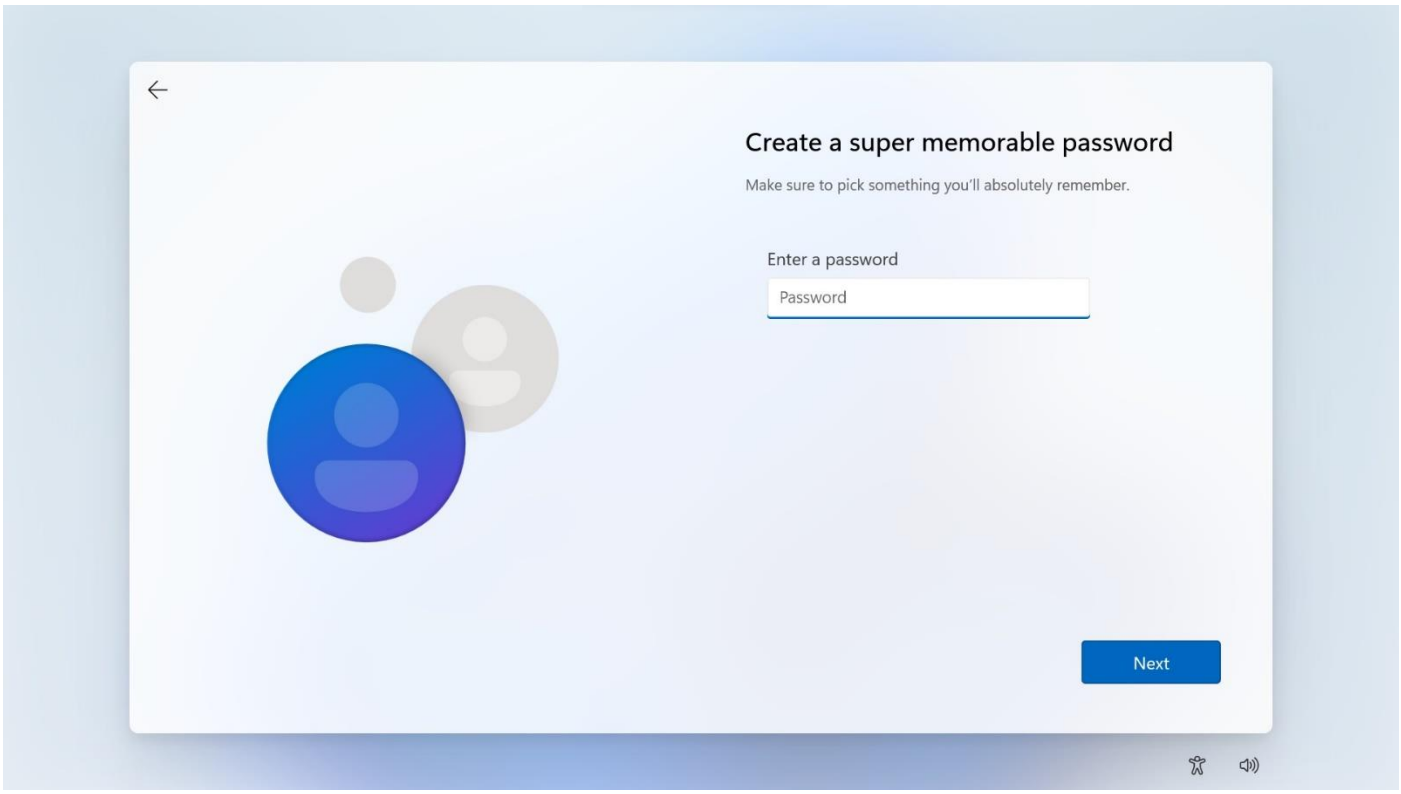


4. On the **Please review the License Agreement** screen, read through the disclosures, then press **Accept**.

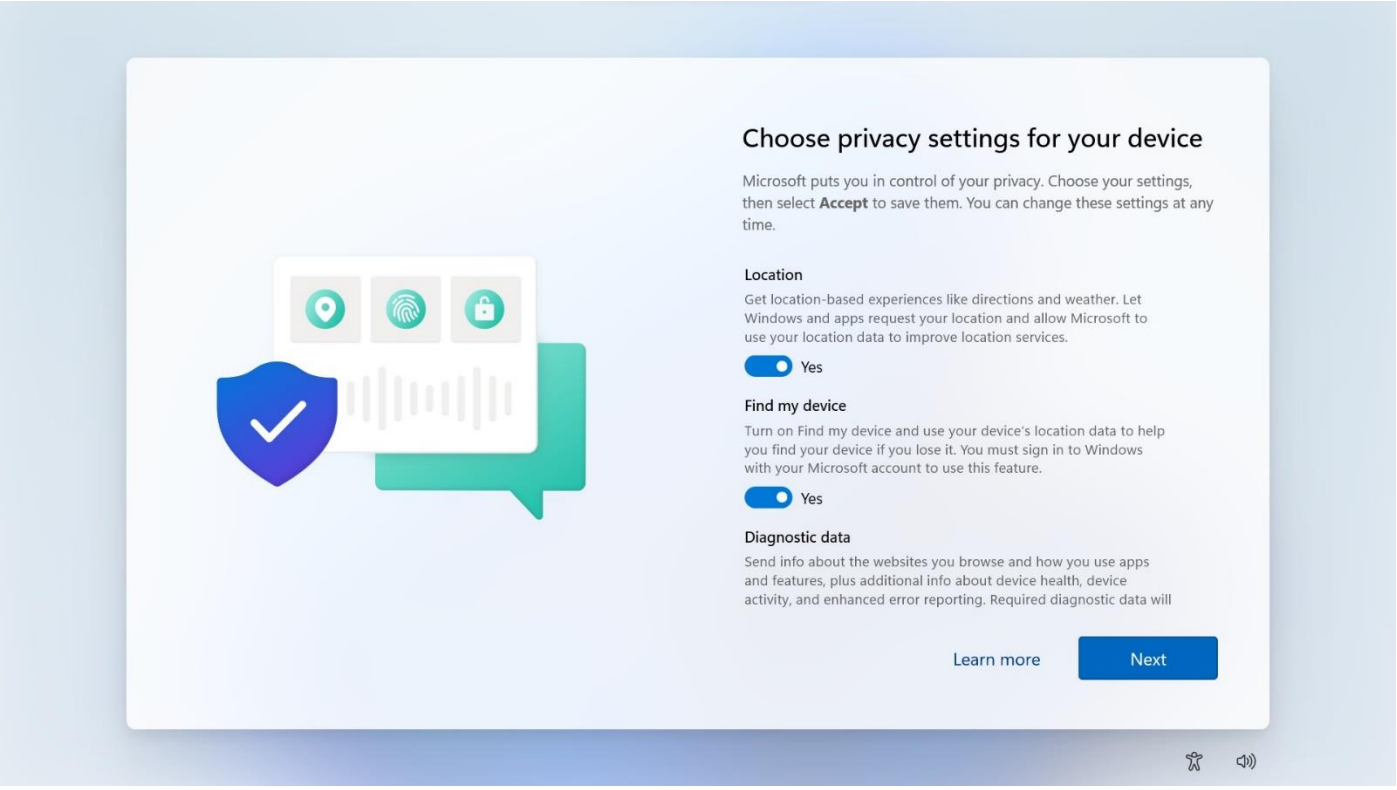


5. To create a local account, type your name, and password in the fields provided, then press **Next**.

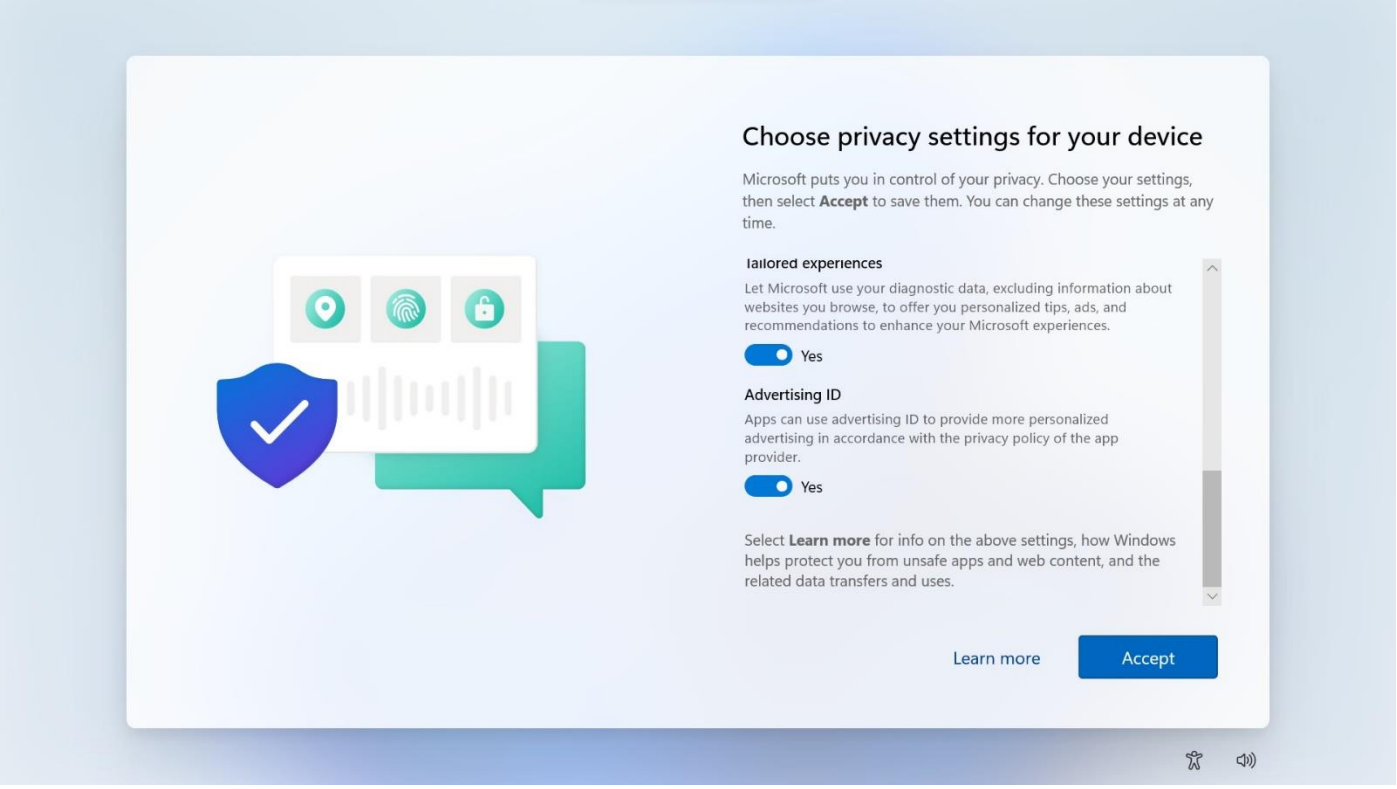




6. On the **Choose privacy settings for your device** screen, click **Yes** to enable the settings. Click **Next** to continue. If you would like more information, click on **Learn more**.



7. Once you have selected all your privacy settings, click **Accept** to finish.

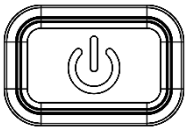


8. The initial setup screens are complete, and the desktop is displayed.
9. Read any introductory screens describing features of your computer, and tap **Next** upon completing each. You are now done with the initial setup process.

Chapter 5: Operating the Device

5.1 Using Physical Membrane Keys

The D140 Ultra-Rugged Tablet comes with six front side physical keys, each with specific functions to give users a single-button access to some of the most popular functions for the Tablet.

Key	Description
 Power	The *Power Key* is the main function key to power the device on and off. • To turn on the device, long-press the Power key for 3 seconds. • To bring up the Windows prompt to shut down the device, press the Power key for 1 second. • To perform a forced shutdown of the device, long-press the Power key for 10 seconds
 Lock Screen	The *Lock Screen* Key locks the device from the Windows desktop to prevent unauthorized access to the device. Pressing this Key will set the device to the Windows log-in screen.
 F1	The *F1 Programmable Key* settings can be configured in HotTab.
 F2	The *F2 Programmable Key* settings can be configured in HotTab.
 Keyboard	The *Keyboard* Key brings up the full-sized Windows on-screen keyboard for the user to type and key in information without needing to connect an external physical keyboard.
 Home	Hottab Quick Access

Chapter 6: Frequently Used Settings

6.1 Screen Resolution Scaling and Setting

The 1920 x 1080 high resolution display of the D140 is perfect for viewing images, videos, or other applications, however, Windows user interface (icons, buttons, and other user interface elements) may be too small to read and operate at the default Windows settings. By changing the display scaling or the display resolution setting of the device, you can adjust the size of the text and other items on the desktop for optimal viewing. Display scaling is the recommended method because it has the effect of adjusting user interface element without having to move away from the optimal resolution setting at 1920 x 1080. This section will explain how you can adjust the built-in windows display scaling setting and resolution setting.

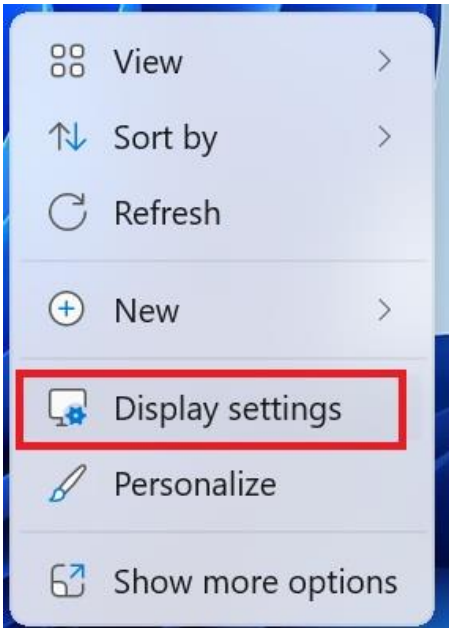
Note:

- The Tablet computer is shipped with display scaling set at **Larger - 150%**. We recommend the users set the scaling to this setting for optimal text and image viewing.
- Before proceeding to change the scaling option, make sure any opened document is saved and close, and all running applications are closed before proceeding to change the display scaling, because this procedure requires users to log out of their account to apply display scaling change.

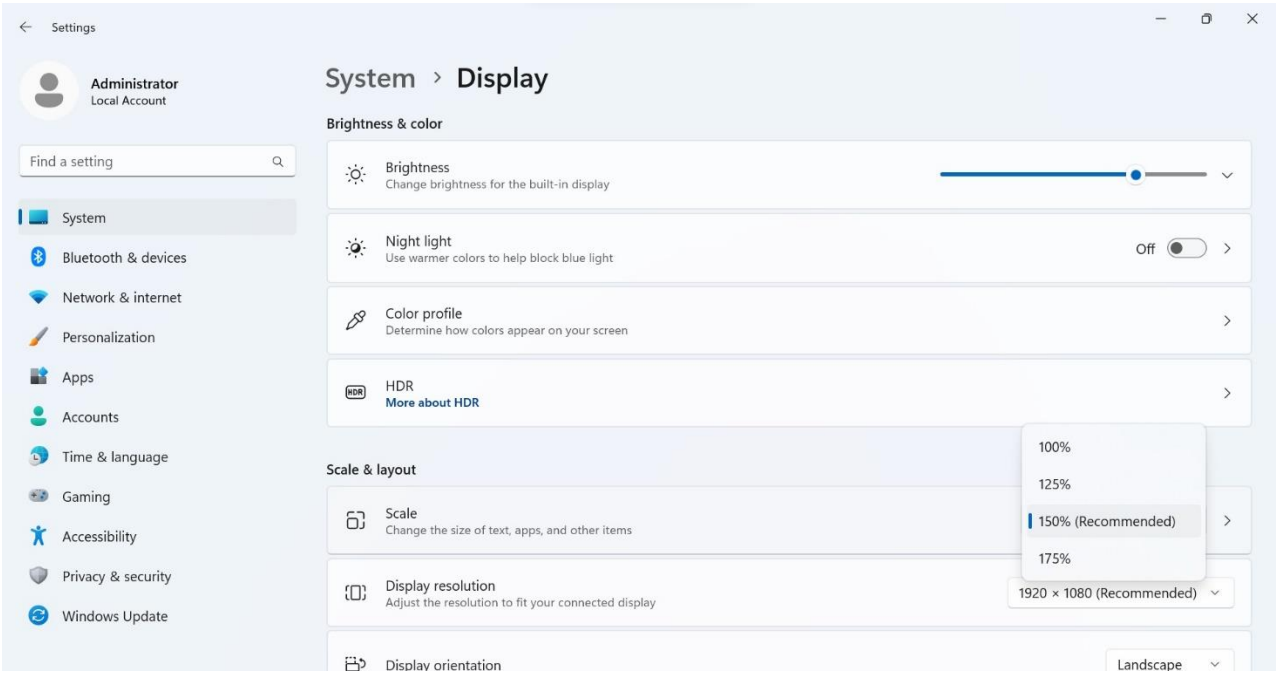
6.1.1 Changing Display Scaling (Recommended)

Perform the following to change display scaling setting:

1. Tap and hold anywhere on the desktop for 3 seconds and release to bring up the context menu, and select "**Display settings**" option as shown below:



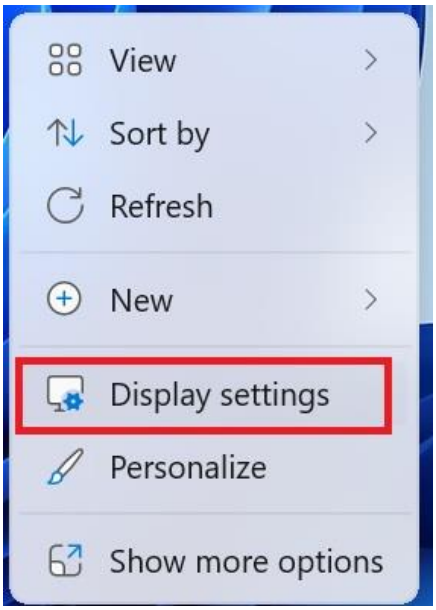
2. A "**Display**" Window will show up. Click on the dropdown option under the "**Scale**" section and change the scaling option to "**150% (Recommended)**" or any other desired display scaling.



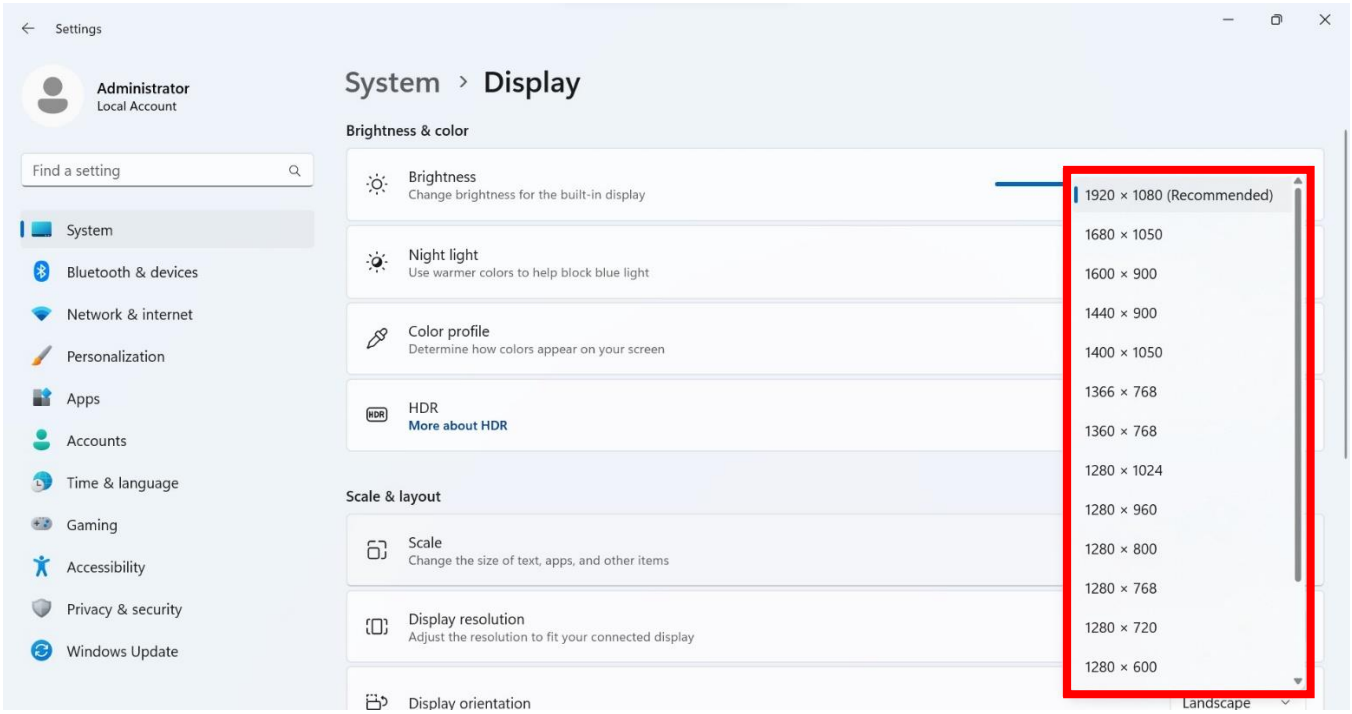
6.1.2 Changing Screen Resolution

Alternatively, instead of changing the display scaling setting, user may choose to change the overall resolution setting to make screen elements bigger.

1. Tap and hold anywhere on the desktop for 3 seconds and release to bring up the context menu, and select "**Display settings**" option as shown below:



2. Click on the dropdown option next to "**Display resolution**" and select the desire resolution by tapping on the scale:



3. Hit "**Apply**". A prompt "**Display Settings**" prompt will show up to ask the user if the applied resolution is usable.

4. If the new resolution is the desired display setting hit "**Keep changes**" and continue to next step. If the new resolution is not desirable, hit "**Revert**" and select a different resolution to change to, and start again from step 2.

5. The user may now use the device with the new resolution setting.

6.2 Using Recovery Wizard to Restore Computer

The D140 Ultra-Rugged Tablet has a dedicated recovery partition stored on the hard drive of the Tablet to enable a quick one-key recovery process. This partition occupies about 11 GB of the storage space and comes built-in to each tablet computer.

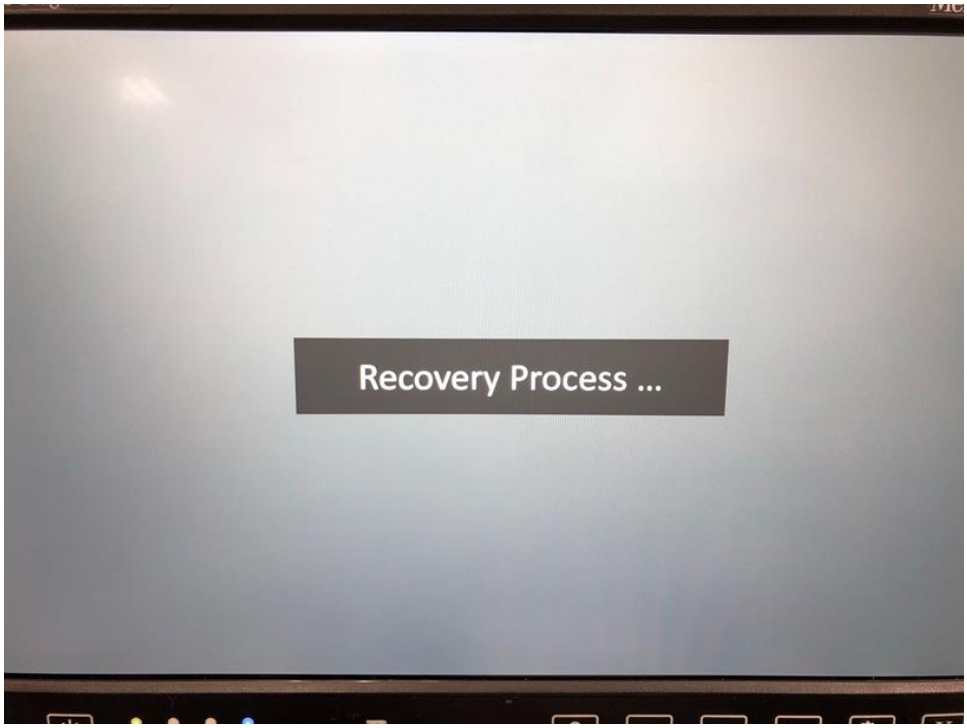
Caution! Before starting the recovery process, be sure to backup all user data, as all data will be lost after the recovery process.

Attention! Avant de démarrer le processus de récupération, assurez-vous de sauvegarder toutes les données utilisateur, car toutes les données seront perdues après le processus de récupération.

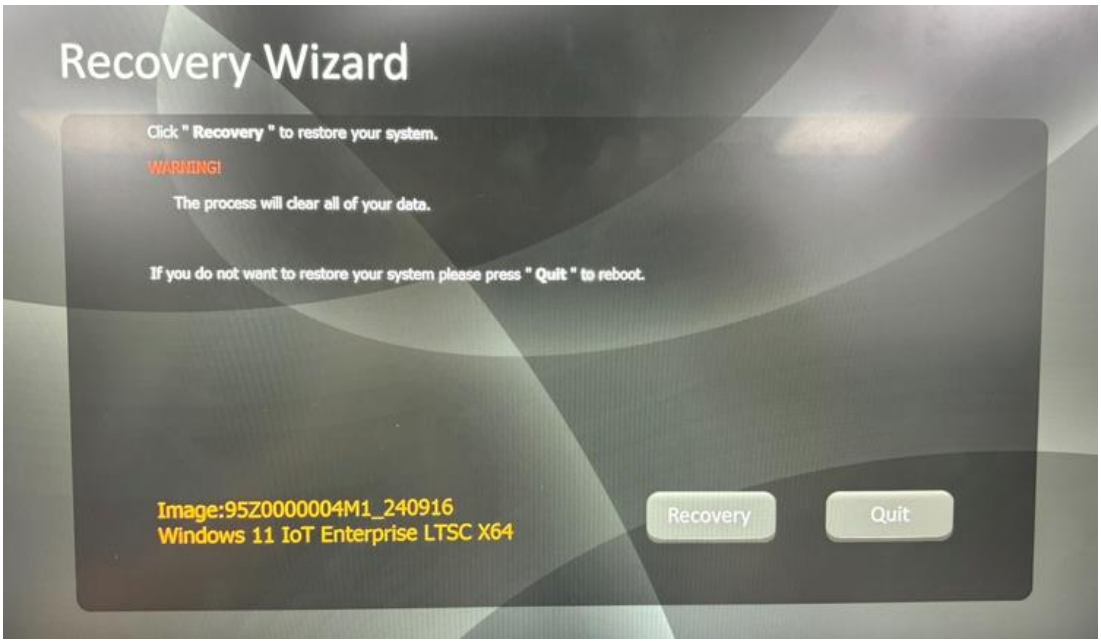
To enable quick one-key recovery procedure:

1. Plug-in the AC adapter to the Tablet Computer. Make sure the Tablet Computer stays plugged into a power source during the recovery process.

2. Power on the tablet computer, and when the boot screen shows up, press the **Lock Screen** button (Recovery Key) on the front bezel or press **F6** when using an external USB keyboard to initiate the Recovery Wizard.



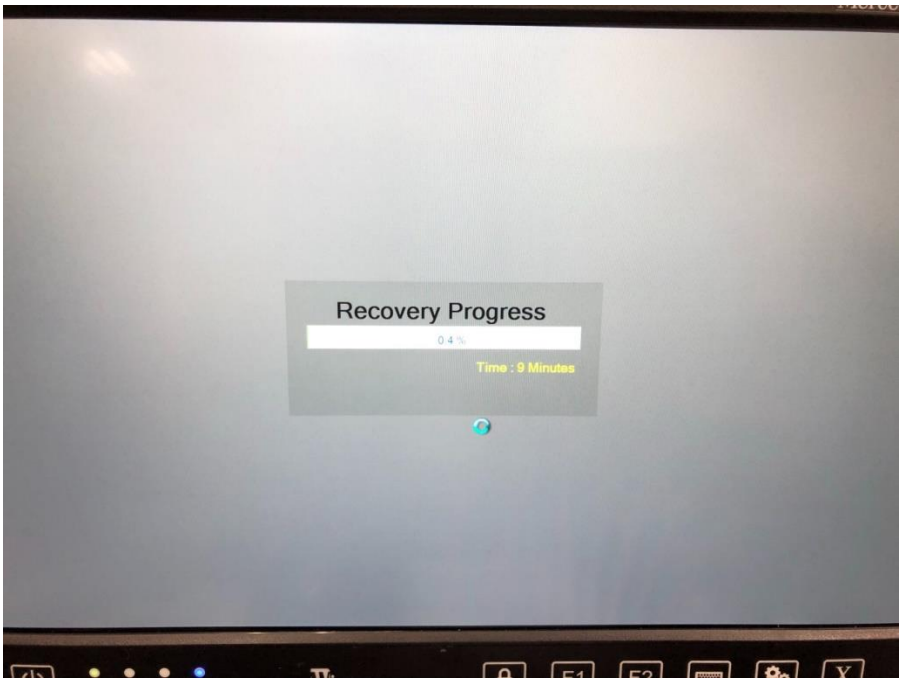
3. The following screen shows the Recovery Wizard. Click on "**Recovery**" button to continue. A warning message about data loss will show up. Make sure data is backed up before recovery, and click on "**Recovery**" to continue.



4. A warning message about data loss will show up. Make sure data is backed up before recovery, and click on “Yes” to continue.



5. Wait till the recovery process to complete. During the recovery process, a command prompt will show up to indicate the percent of the recovery process.



6. After the recovery is complete, press any key to continue, and the Tablet computer will Shut down automatically.

6.3 Pairing with a Wireless Bluetooth Device

The computer is affixed with a Bluetooth MAC (Media Access Control) address barcode label that enables wireless Bluetooth Device to quickly establish Bluetooth connection with the computer. It is encoded with leading characters to instruct the wireless Bluetooth device to initial Bluetooth Serial Port Profile pairing request.

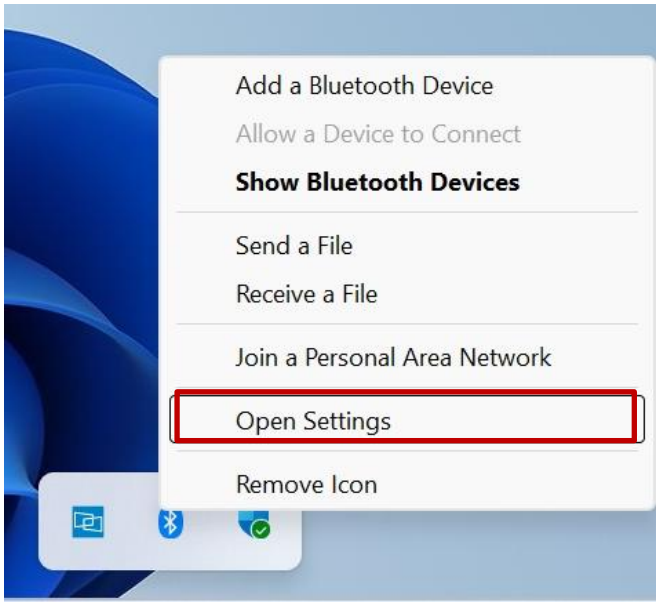
6.3.1 Setup Computer for Bluetooth Pairing

To start the pairing process, first perform the following steps to ensure the computer is properly setup for pairing:

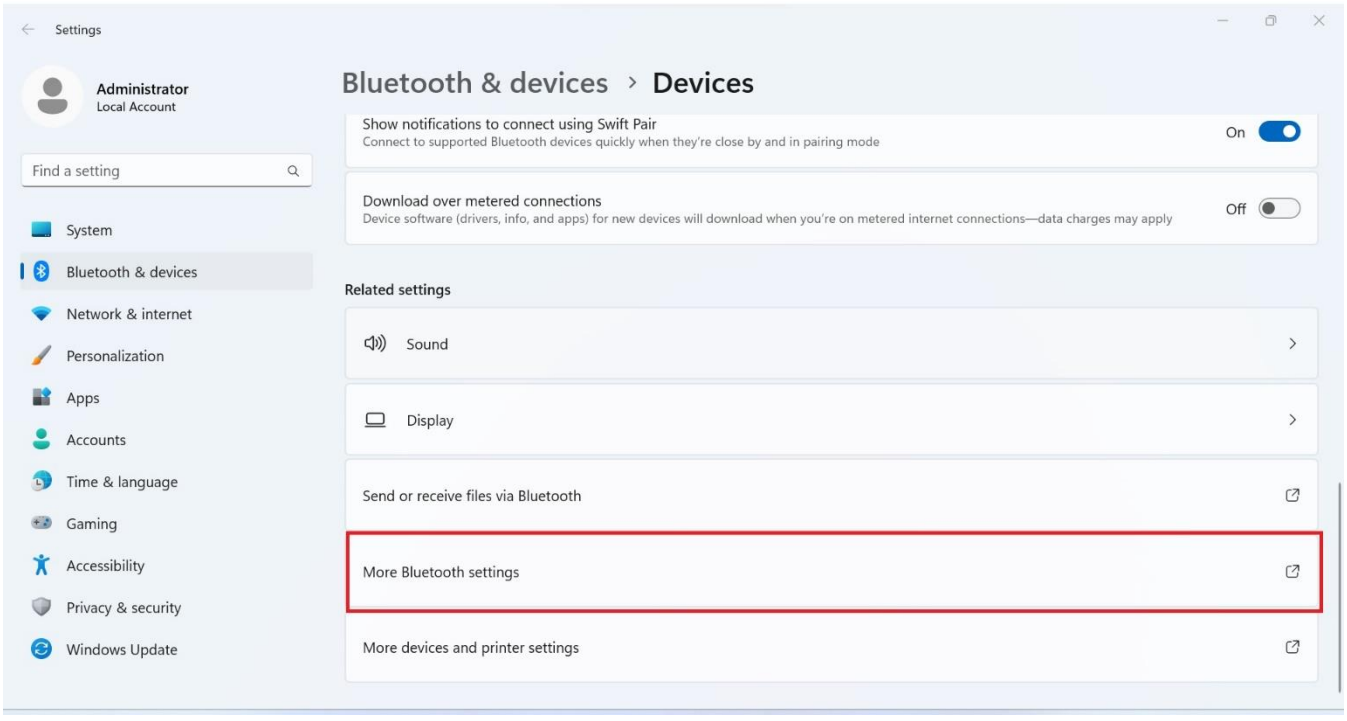
1. Locate the **Bluetooth** icon in the Notification Area.



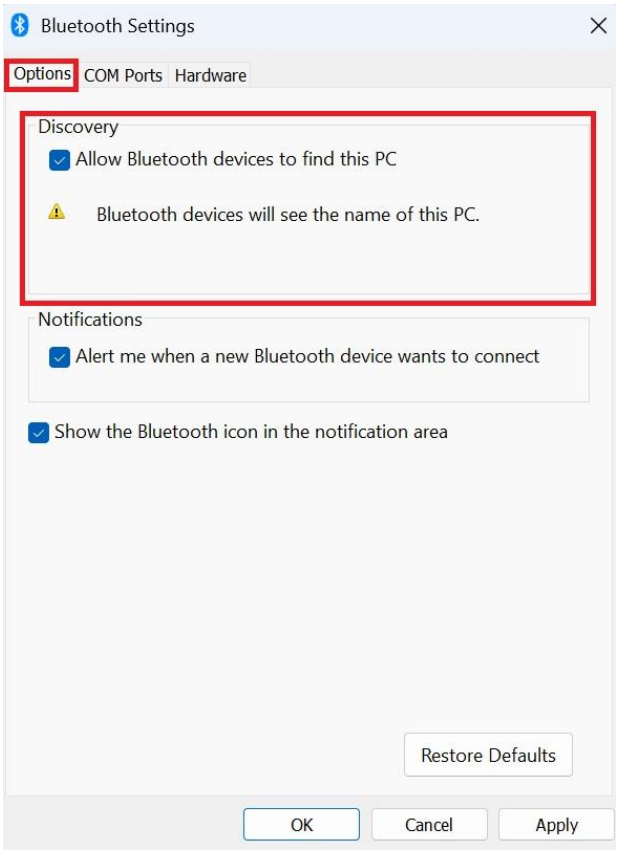
2. Bring up the Contextual Menu by performing a long press on the icon with touchscreen or right-click on the icon with a mouse, and select **Open Settings**.



3. Once the **Bluetooth & devices** Menu appears, click "**More Bluetooth settings**" under Related settings section as shown below.

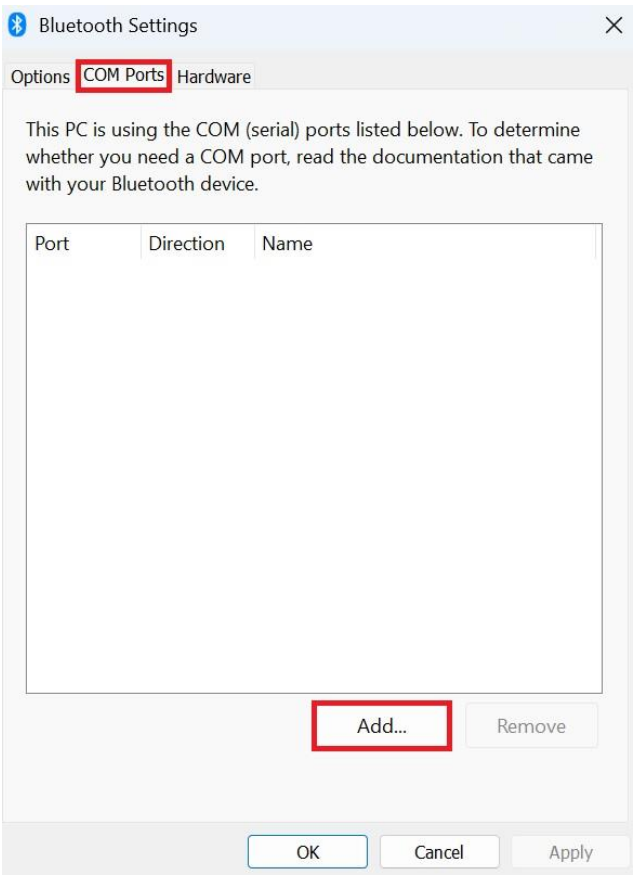


4. Go to **"Options"** tab, and make sure that in the Discovery section, the computer is set to **"Allow Bluetooth devices to find this PC"**, as shown below:

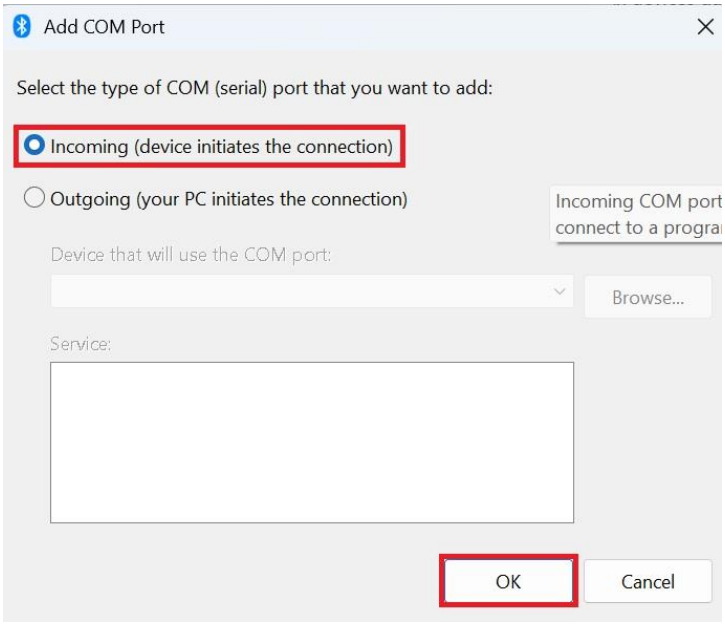


Click **OK** to continue.

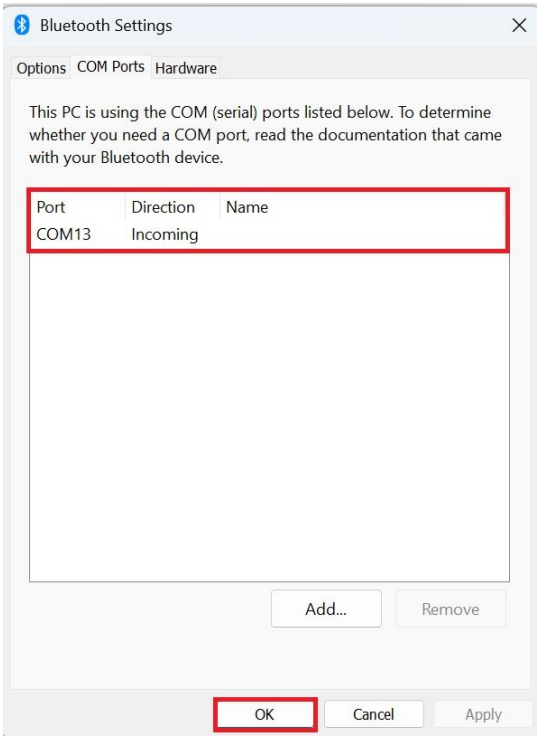
5. In the **Bluetooth Settings** menu, go to **"COM Ports"** tab. COM port has to be set up for the wireless Bluetooth Barcode Scanner to communicate via the Bluetooth Serial Port Profile. Click on the **"Add…"** button.



6. You are in **"Add COM Port"** window. Choose **"Incoming (device initiates the connection)"**, and click **"OK".**



7. The computer will automatically assign COM Port to the Bluetooth connection. In the screenshot below, **COM13** is allocated.



Click **OK** to continue.

8. Next, the user has to configure the application that is used to accept the scanned data from the wireless Bluetooth Device. The application has to be configured to accept the same COM Port that has been assigned for the Bluetooth Serial Port Profile in the previous step.

Important: Make sure the application stays open while pairing.

9. Now the computer is ready for pairing process to start.

6.3.2 Setting Up the Device for Bluetooth Pairing

Important: The wireless Bluetooth Device has to be configured as Bluetooth Serial Port Profile Master device to establish connection via Bluetooth MAC address barcode label. For a more detailed instruction, please refer to the User Guide for the wireless Bluetooth Device you are using for paring.

Now the Bluetooth Device is ready for pairing process to start.

6.3.3 Perform Bluetooth Pairing

After you finish setting up both the Computer and Device you are ready to start pairing.

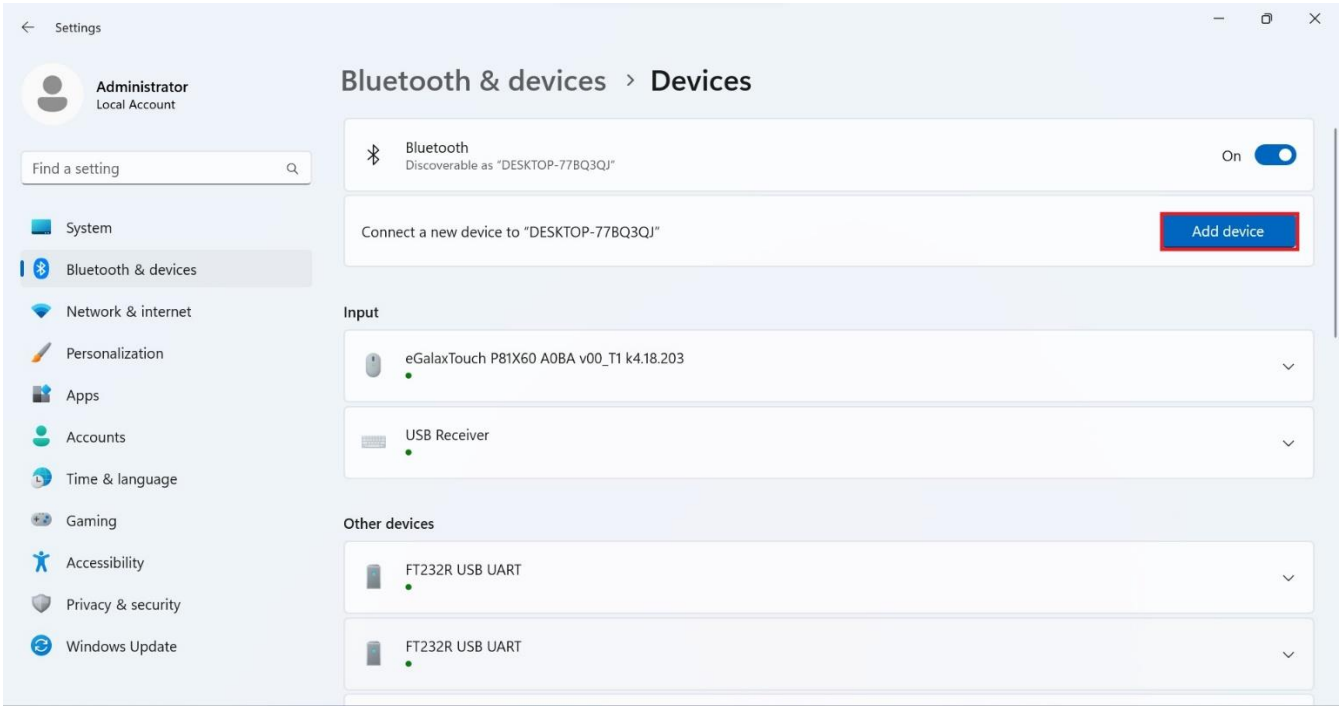
1. Open a program that is used for pairing.
2. Perform scanning procedures. A Bluetooth notification window pop-up on the right hand side of the desktop. **Left click** on the mouse to enter Add a device menu.
3. Locate the **Bluetooth** icon in the Notification Area.



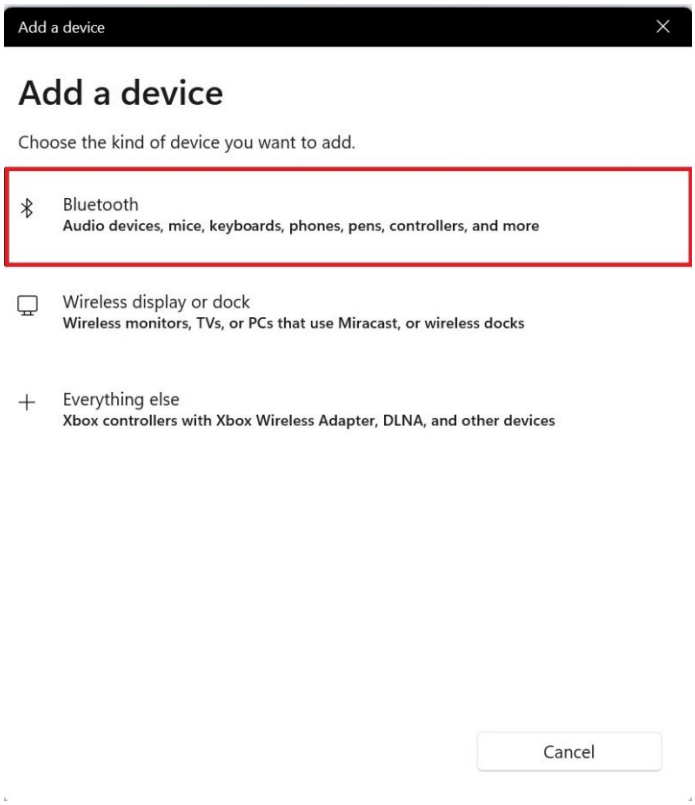
4. Click **Add a Bluetooth Device**.



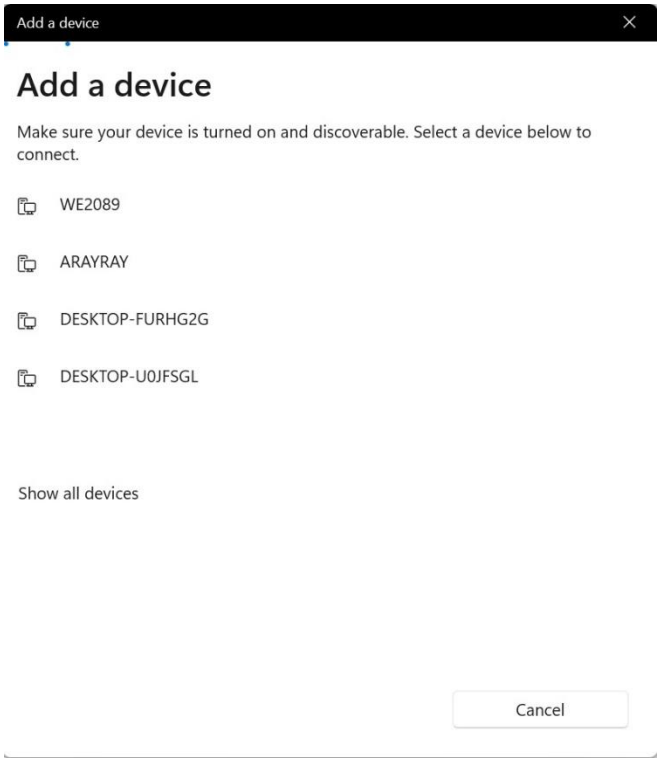
5. In **Bluetooth & devices** window, click **Add a device** in the Devices section to connect the device to the Computer.



6. Click on **Bluetooth** to connect the device to the Computer.



7. Once your device name appears as discoverable, click on the desired device. Once paired, both the device and the Computer should be connected.



In order to ensure that Bluetooth Device is successfully paired to the Computer, follow the steps below:

Locate the **Bluetooth** icon in the Notification Area. Select **Show Bluetooth Devices**.



You can access this menu in the Control Panel:

Windows ➔Control Panel ➔ Devices and Printers➔ Bluetooth Devices

Make sure your device is connected to the Computer.

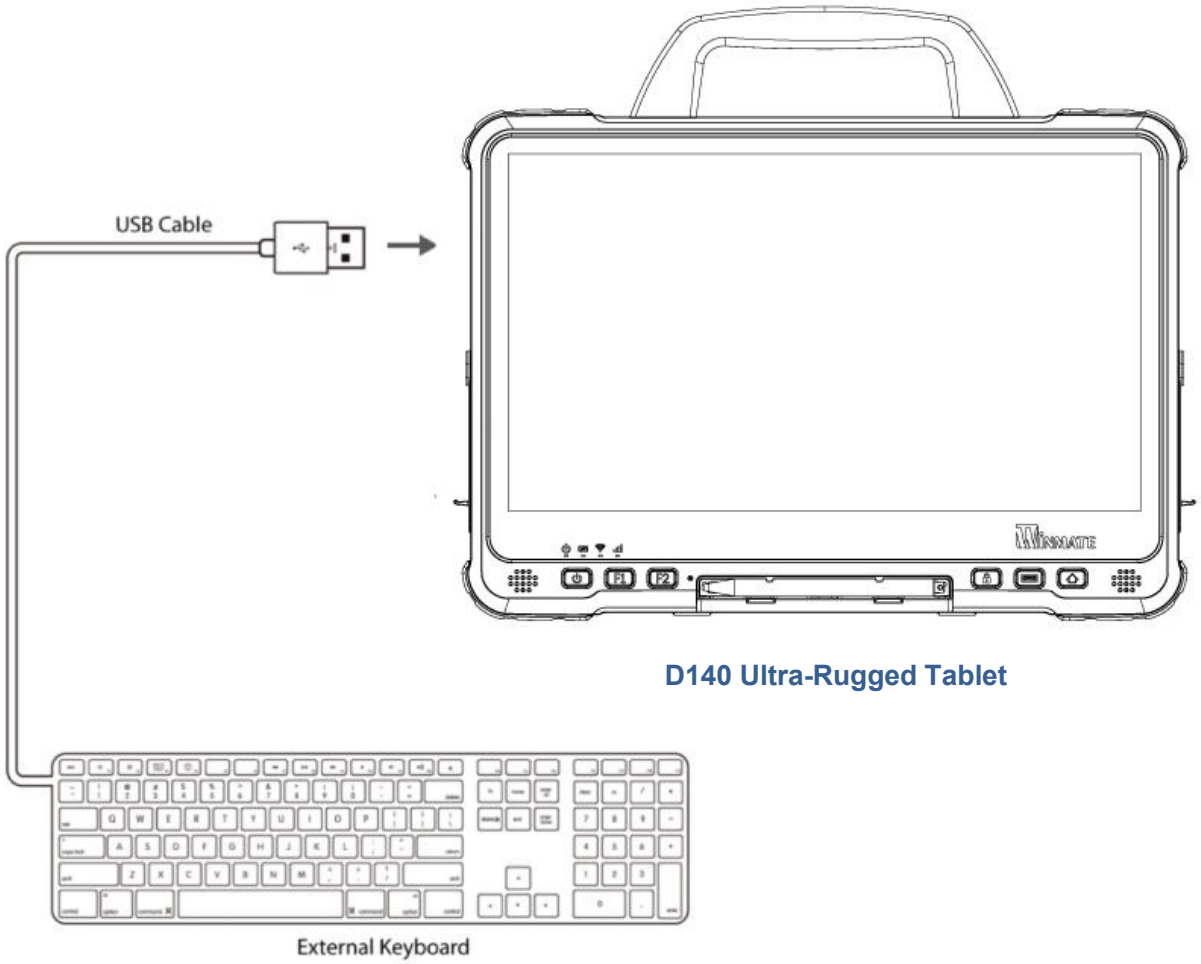
Chapter 7: BIOS Setup

This chapter provides information on how to use BIOS setup, its functions and menu.

7.1 How and When to Use BIOS Setup

To enter the BIOS setup, you need to connect an external USB keyboard and press the **Del** key when the prompt appears on the screen during start up. The prompt screen shows only few seconds so you will need to press the Del key promptly.

To use physical keyboard preform the connection as shown omn the picture below.



You can also use virtual touch keyboard. Press  **Keyboard** button located on the front membrane.

Important: Updated BIOS version may be published after the manual released. Check the latest version of BIOS on the website.

You may need to run the BIOS setup utility for reasons listed below:

1. Error message on screen indicates to check BIOS setup
2. Restoring the factory default settings.
3. Modifying the specific hardware specifications.
4. To optimize specifications.

BIOS Navigation Keys

The following keys are enabled during POST:

Key	Function
Del	Enters the BIOS setup menu.
Esc	Display the boot menu. Lists all bootable devices that are connected to the system. With cursor ↑and cursor ↓and press **<ENTER>**, select the device used for the boot.

The following Keys can be used after entering the BIOS Setup.

Key	Function
F1	Help
F5/ F6	Change Values
F9	Setup Defaults
F10	Save & Exit
Esc	Exit
Enter	Select SubMenu
↑/ ↓	Select Item
← / →	Select Item



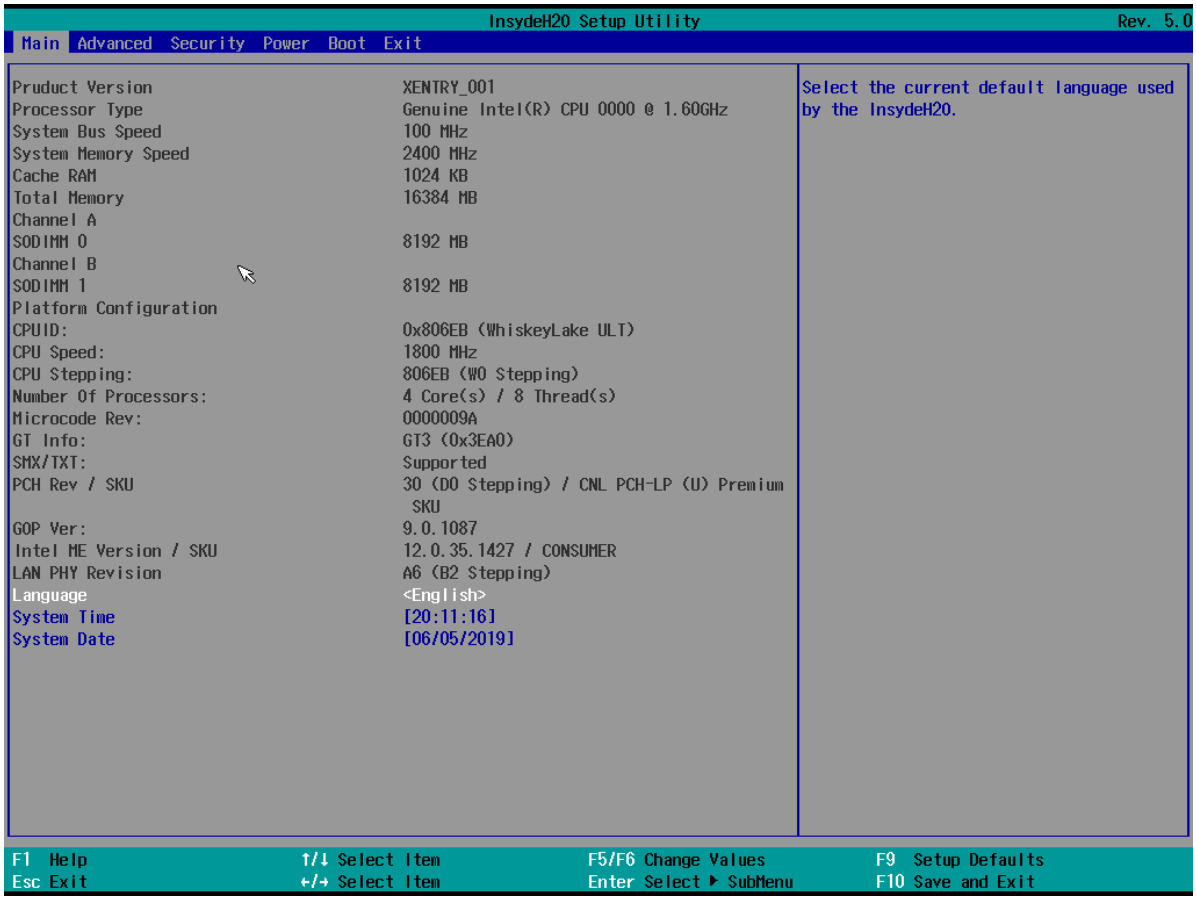
Note: You can press the F1, F2, F3, F4, –/+, and Esc keys by connecting a USB keyboard to your computer.

For items marked ► press **<Enter>** for more options.

7.2 BIOS Functions

7.2.1 Main Menu

The Main menu displays the basic information about your system including BIOS version, processor RC version, system language, time, and date. When you enter BIOS setup, the first menu that appears on the screen is the main menu.It contains the system information including BIOS version, processor RC version, system language, time, and date.



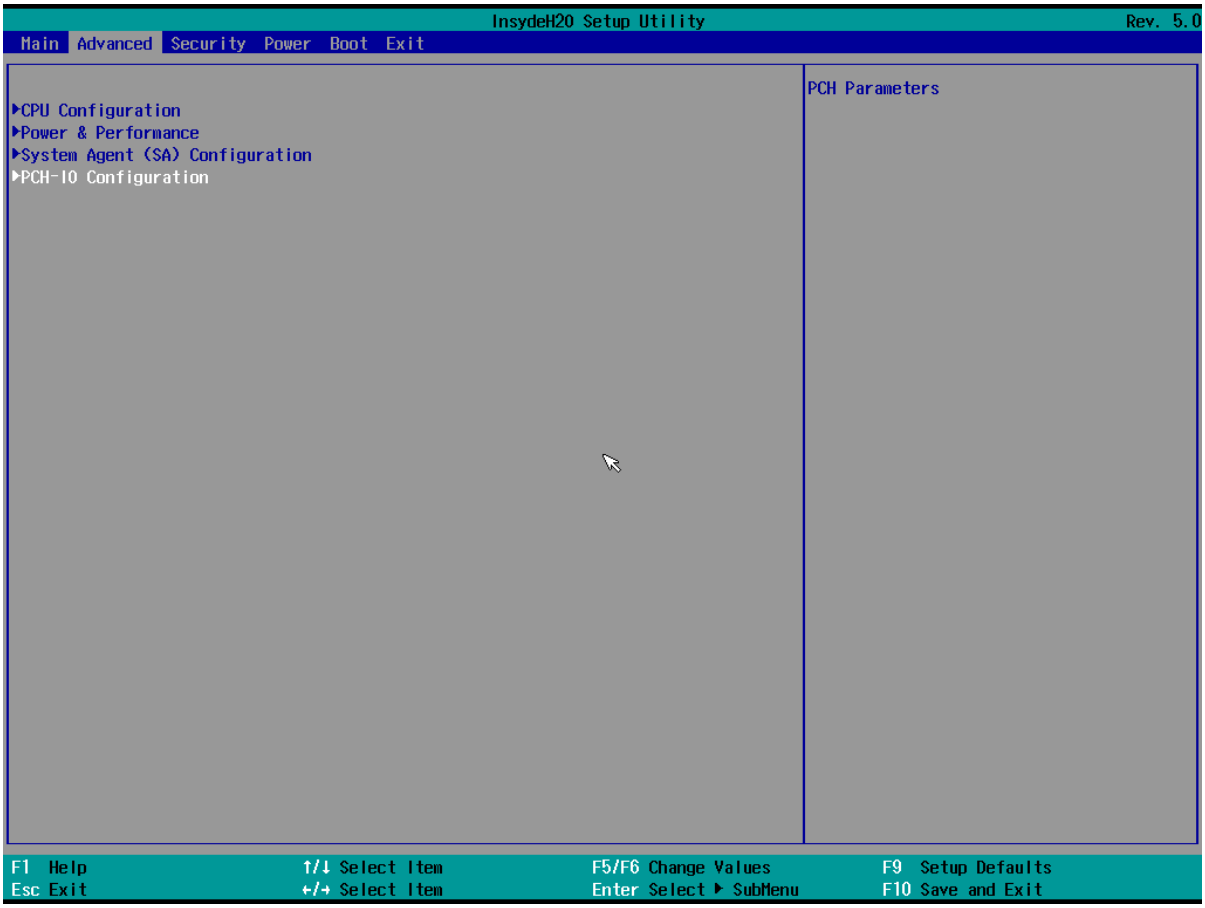
BIOS Setting	Description	Setting Option	Effect
Language	Displays the system language. [English] is set up by default.	Adjustment of the language	Set the language in other language. The language in this device is English.
System Time	This is current time setting. The time is maintained by the battery when the device is turned off.	Date and time changes.	Set the time in the format: [hh/mm/ss]
System Date	This is current date setting.	Date and time changes.	Set the date in the format [mm/dd/yyyy];

7.2.2 Enable / Disable WLAN

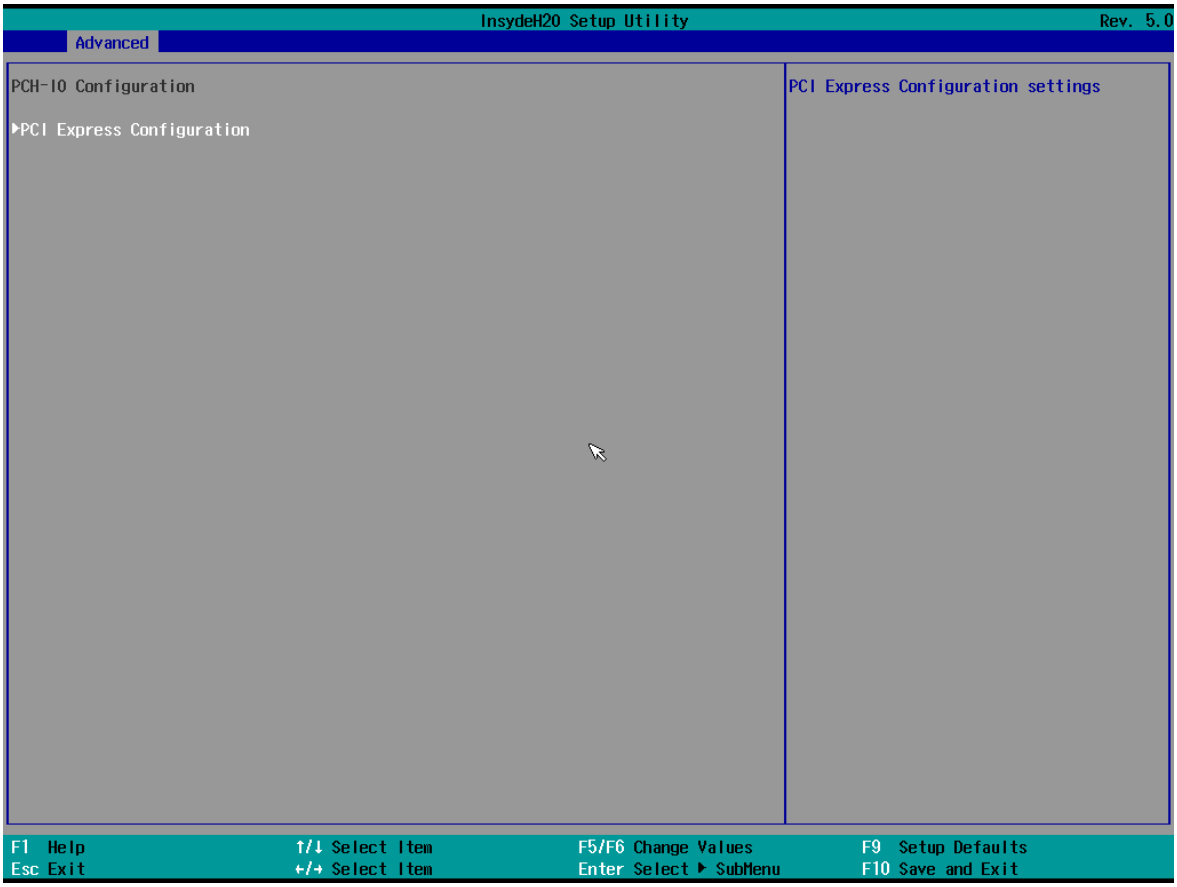
The BIOS Setup of the D140 Ultra-rugged Tablet also includes Enable / Disable WLAN option. The D140 Ultra-Rugged Tablet has two separate WLAN modules that can both be enabled or disabled through the **BIOS Setup** menu. To enable or disable either the Intel® Dual Band Wireless-AC 9260 or DLink DWA-131 wireless modules, enter the **BIOS Setup** menu then switch to the **advanced** tab. To either enable or disable the Intel® Dual Band Wireless-AC 9260 module, toggle the settings for the **WLAN Intel Card** in the BIOS settings **Advanced** tab.

7.2.2.1 PCH-IO Configuration

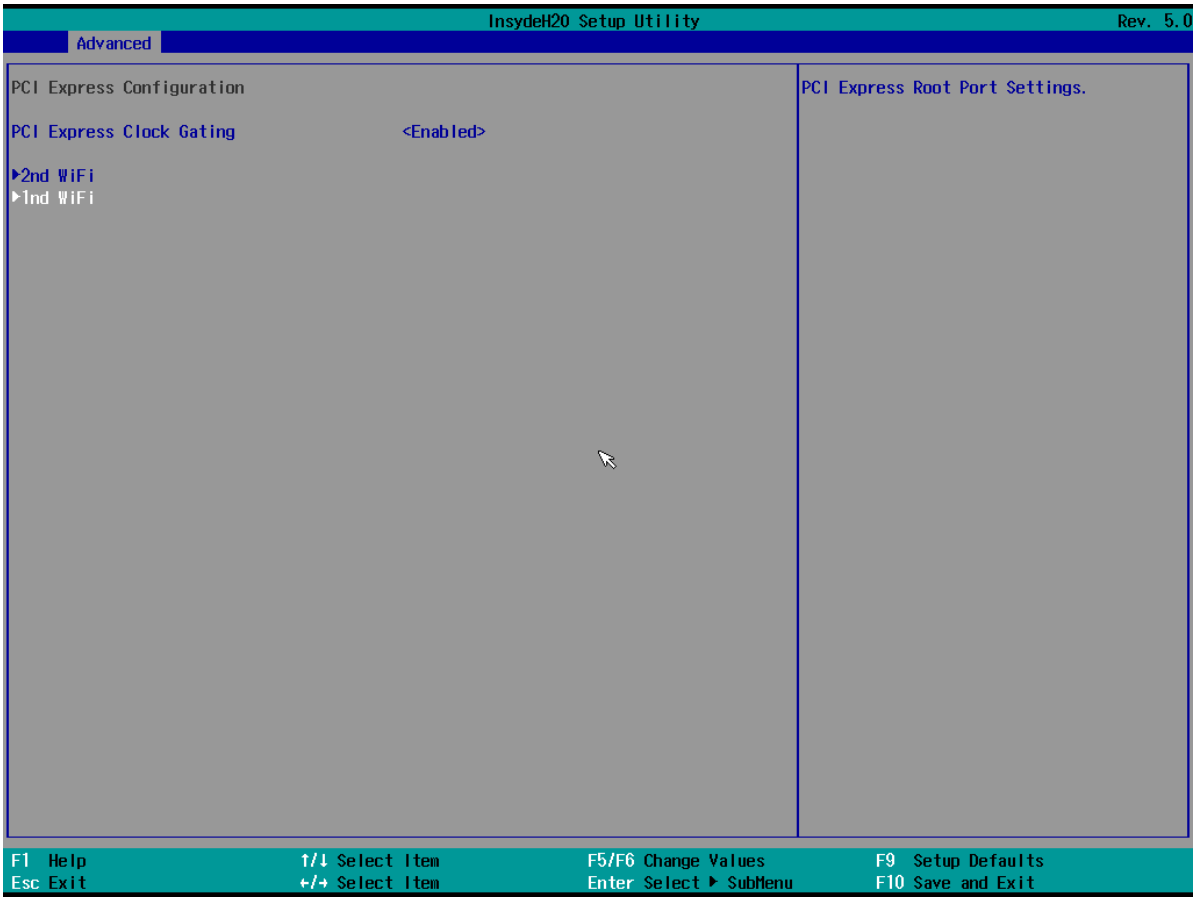
To setup the **WLAN** in BIOS, navigate to the **Advanced** menu from the **BIOS setup** home menu. Select the **PCH-IO Configuration** option.



Press Enter to open sub-menu.



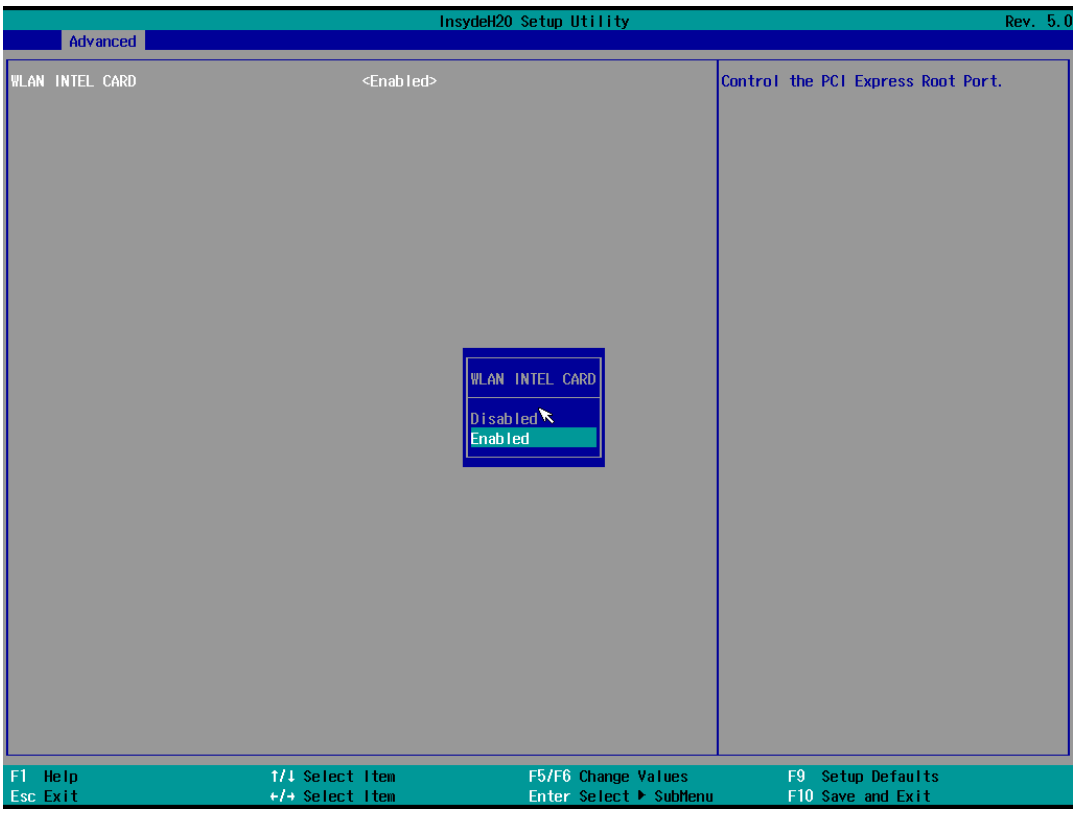
In the **PCI Express Clock Gating** menu for PCI Express Root Port settings, the user has the option to select different settings to manage the WLAN operations. Select **1nd WLAN**.



7.2.2.2 WLAN Intel Card

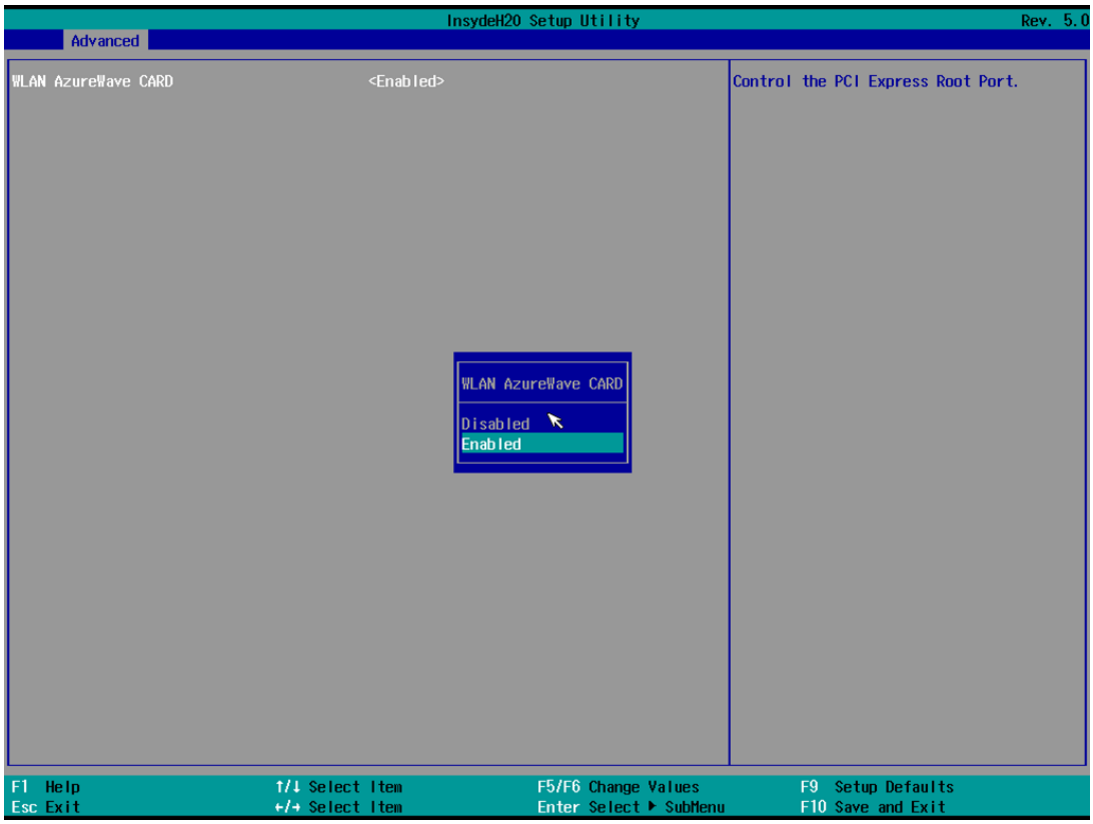
Choose **Enabled** in **WLAN Intel Card** menu.

To either enable or disable the WLAN Intel Card module, toggle settings for the **WLAN Intel Card** in the BIOS settings **Advanced** tab.



7.2.2.3 WLAN AzureWave Card

To either enable or disable the WLAN AzureWave Card module, toggle settings for the **WLAN AzureWave Card** in the BIOS settings **Advanced** tab.



Chapter 8: Accessories

This chapter provides information on how to use accessories of the D140 Ultra-Rugged Tablet.

For the technical specifications of the accessories, please refer to the product datasheet.

Your package may include the following accessories based on your order:

Standard Accessories

- **Rugged Tablet Computer**
- **Standard Battery**
- **Type-C Adapter**
- **Power Cord**
- **Stylus**

8.1 Using the Type-C Charger

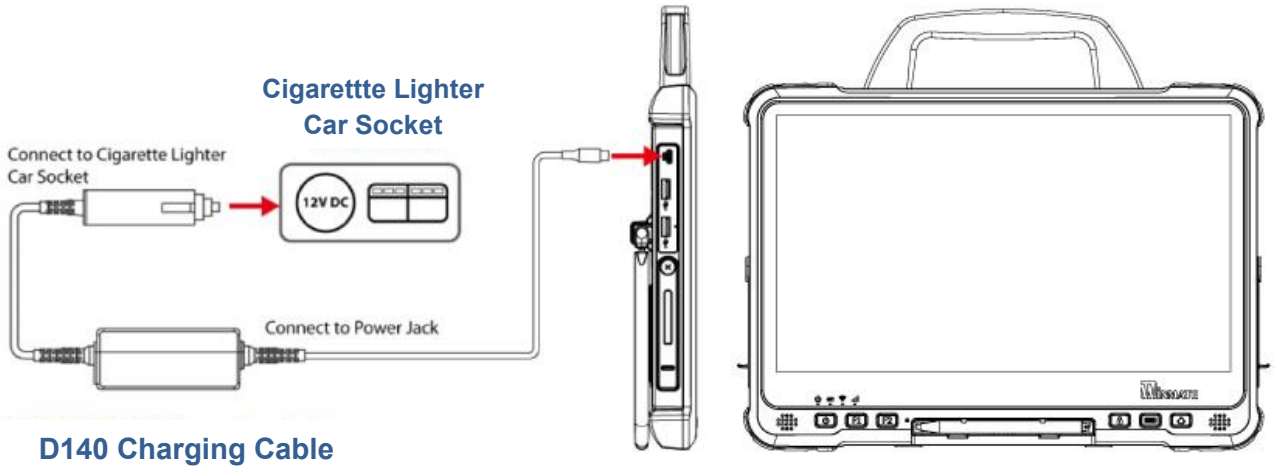
Use the Type-C Charger to charge the D140 Ultra-Rugged Tablet from the vehicle power.

How to use the Type-C Charger:

1. Connect one side of the charging cable to the power jack 19VDC of the D140 Ultra-Rugged Tablet.
2. Connect another side of the charging cable to the cigarette lighter car socket. Beware of the input and output voltage and current.

Voltage

12V DC ~ 24V DC for operation voltage (After turn on)
Turn on the voltage must be over 11.5VDC.
Input current (Max.) 10A.
Output Voltage 19VDC +/-5%
Output current (Max.) 3.42A



Appendix

Appendix A: Basic Troubleshooting

Problem	Solution
The removable battery is not charging.	• Make sure the AC adapter is connected correctly and that the removable battery is inserted correctly.
Nothing appears on the screen.	• The tablet computer may be in sleep mode. Press the power button to wake up the display. • The brightness level may be too low. Increase brightness.
The screen suddenly turns blank, and the power indicator goes off.	• Make sure that LED indicator is not powered off in Hottab. • Make sure the AC adapter is connected correctly. • Charge the battery.
Wireless LAN signal quality is poor.	• The tablet computer may be out of range. Move the tablet computer closer to the access point or another wireless LAN device associated with it. • Check if your surroundings have interferences, such as microwave ovens, cordless phones. Move the Tablet away from objects causing interference.
I cannot connect to another wireless LAN device.	• Make sure that the wireless LAN feature is powered on. • Make sure that the SSID setting is the same for every wireless LAN device in the network. • Restart the tablet computer. • Make sure the IP address or subnet mask setting is correct.
I cannot connect to another Bluetooth device.	• Make sure that both devices have Bluetooth powered on in HotTab. • Make sure that the distance between the two devices is within 10 meters, and there are no walls or large obstructions between the devices. • Make sure both devices are powered on and discoverable. • Make sure that both devices are compatible.
No sound is produced.	• Adjust volume within the operating system. • If using an external audio device, make sure that the cable is properly connected.
I cannot project the tablet computer display to another monitor.	• Make sure the VGA driver is installed. • Make sure the output setting selected is correct.

Notes

Notes

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