S101TG

10.1" Rugged Windows Tablet

Intel Core i3-1115G4 3.0 GHz (turbo boost up to 3.9 GHz)

Intel Core i5-1135G7 @ 2.4GHz (turbo boost up to 4.2GHz, optional)

User Guide

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Contents

Chapter 1: Read Me First 3
1.1 Advisory Conventions 3
1.2 Safety Information 4
1.3 Handling and Maintenance 6
1.4 Declaration of Conformity (DoC) 7
1.5 Copyright Notice 8
1.6 Trademark Acknowledgement 8
1.7 Disclaimer 8
Chapter 2: Getting Started 9
2.1 Introduction 9
2.2 Unpacking 9
2.3 Description of Parts 10
2.4 Indicators 11
2.5 Hotkey for Specific Functions 12
2.6 First-Time Operation 12
2.6.1 Installing Battery 12
2.6.2 Installing SIM card (For 4G/LTE Equipped Devices) 13
2.6.3 Installing a MicroSD Card 14
2.6.4 Charging Your Tablet 14
2.6.5 Starting the Tablet 15
Chapter 3: Setting Up Windows for the First Time 16
3.1 Introduction 16
3.2 Setting up Windows 10 IoT Enterprise 16
Chapter 4: Operating the Device 19
4.1 Hottab Introduction 19
4.2 Shortcuts 20
4.3 Using Camera 21
4.4 Built-in Devices On/Off 22
4.4.1 Using the Wireless LAN (Wi-Fi) 22
4.4.2 Using the Wireless WAN 23
4.4.3 Using the GPS 24
4.4.4 Using the Bluetooth 24
4.4.5 Turning On/Off LED Indicators 25
4.4.6 Using the Barcode Reader 25
4.4.7 Turn on/off the GPS External Antenna 34
4.4.8 Turn on/off the Light Sensor 34
4.4.9 Changing Touchscreen Modes 35
Chapter 5: Frequently Used Settings 37
5.1 Screen Resolution Scaling and Setting 37

5.1.1 Changing Display Scaling (Recommended) 37
5.1.2 Changing Screen Resolution 38
5.2 Replacing Battery 40
5.3 Using Recovery Wizard to Restore Computer 41
5.4 Docking Connector Pin Definition 43
5.5 COM Port Definition 43
5.6 Pairing with a Wireless Bluetooth Barcode Scanner 45
5.6.1 Setup Computer for Bluetooth Pairing 45
5.6.2 Set up the Barcode Scanner for Bluetooth Pairing 49
5.6.3 Perform Bluetooth Pairing 49
Chapter 6: Troubleshooting 51
6.1 Basic Troubleshooting 51
Appendix 53
Appendix A: Product Specifications 53

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 Unealerted'attentionindique un dommage possible à l'équipement et explique comment éviter le problèmepotentiel.

Warning! An Electrical Shock Warning indicates the potential harm from electrical hazards and how to avoid the potential problem.
Avertissement! Un Avertissement de Choc Électriqueindique le potentiel de chocssur des emplacements électriques et comment évitercesproblèmes.

1.2 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 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 the 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 (for example, Near Fire, in Direct Sunlight) 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. Electrolyte leakage, generation of heat, ignition, or rupture may result if used with a product other than the specified product.
[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 defective or inactive. If it still can't solve the problems, please contact your dealer or agent.

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.

1.3 Handling and Maintenance

General Guideline
Guide Général

Keep the product at least 13 cm (5 inches) away from electrical appliances that 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 the 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.

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.

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 display, 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 special protective coating 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.

FCC Warning

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: 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 in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-Reorient or relocate the receiving antenna.

-Increase the separation between the equipment and receiver.

-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

-Consult the dealer or an experienced radio/TV technician for help.

Specific Absorption Rate (SAR) information:
This Rugged Tablet PC meets the government's requirements for exposure to radio waves. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons regardless of age or health.

IC Warning

This device complies with Industry Canada’s licence-exempt RSSs. Operation is subject to the

following two conditions:

(1) This device may not cause interference; and

(2) This device must accept any interference, including interference that may cause undesired

operation of the device.

Cet appareil est conforme aux CNR exemptes de licence d'Industrie Canada. Son

fonctionnement est soumis aux deux conditions suivantes :

(1) Ce dispositif ne peut causer d'interférences ; et

(2) Ce dispositif doit accepter toute interférence , y compris les interférences qui peuvent

causer un mauvais fonctionnement de l'appareil.

RF Exposure Information and Statement

The SAR limit of USA/Canada (FCC/IC) is 1.6 W/kg averaged over one gram of tissue. Device types: S101TG (FCC ID: PX9S101，IC: 9911A-S101) has also been tested against this SAR limit. The highest SAR value reported under this standard during product certification for use properly worn on the body is 0.311W/kg. This device was tested for typical body-worn operations with the back of the handset kept 0mm from the body. To maintain compliance with FCC/IC RF exposure requirements, use accessories that maintain a 0mm separation distance between the user's body and the back of the handset. The use of belt clips, holsters and similar accessories should not contain metallic components in its assembly. The use of accessories that do not satisfy these requirements may not comply with FCC/IC RF exposure requirements, and should be avoided.

Le SAR limite pour les USA/Canada (FCC/IC) est de 1.6 W/kg moyen sur un seul gramme de tissu.La valeur maximale déclarée sous ce critère lors de la certification du produit pour l'utilisation du corps est de 1,311 W/kg Opérations typiques avec la partie arrière de la manoeuvre gardée à 0mm du corps, afin de maintenir la conformité avec les exigences du FCC/IC relatives à l'exposition RF,L'utilisation des accessoires qui maintiennent une distance de séparation de 0mm entre le corps de l'utilisateur et le dos de la main.L'utilisation des accessoires qui ne satisfont pas à ces exigences peut ne pas être conforme aux exigences du FCC relatives à l'exposition à la RF.Et devrait être évité.

Body-worn Operation

This device was tested for typical body-worn operations. To comply with RF exposure requirements, a minimum separation distance of 0mm must be maintained between the user's body and the handset, including the antenna. Third-party belt-clips, holsters, and similar accessories used by this device should not contain any metallic components. Body-worn accessories that do not meet these requirements may not comply with RF exposure requirements and should be avoided. Use only the supplied or an approved antenna.

Cet appareil a été testé pour un fonctionnement typique du corps sous pression, pour satisfaire aux exigences relatives à l'exposition RF, une distance minimale de séparation de 0mm doit être maintenue entre le corps de l'utilisateur et la poignée.Y compris les antennes, les bandes de fréquences et les satellites,Des accessoires similaires utilisés par cet appareil ne doivent pas contenir de composants métalliquesSeule la fourniture ou une antenne agrée.

1.5 Copyright Notice

No part of this document may be reproduced, copied, translated, or transmitted in any form or by any means, electronic or mechanical, for any purpose, without the prior written permission of the original manufacturer.

1.6 Trademark Acknowledgement

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1.7 Disclaimer

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Chapter 2: Getting Started

This chapter tells you step by step how to get the Tablet Computer up and running.

2.1 Introduction

Congratulations on purchasing Winmate® 10.1-inch Rugged Windows Tablet S101TG.

S101TG is a rugged tablet with robust features designed to withstand industrial use while providing high-tech solutions that increase productivity, improve safety, and reduce operational costs. The processing power comes from the 11th generation Intel® Tiger Lake processor for high performance. The tablet features a brilliant, in-plane switching with anti-glare screen protection film, projective capacitive touch screen, which is outdoor viewable and offers 1920 x 1200 pixel resolution, and weighing at just 1.1 kg, the S101TG delivers lightweight mobility in a rugged tablet.

Highlights

- 11th generation Intel® Tiger Lake processor
- Anti-glare screen protection film
- Optional Ethernet thru Giga LAN (RJ45)
- Optional Expansion Port for USB 3.0 and UART support

2.2 Unpacking

Check and identify the supplied accessories:

- **Tablet Computer**

- **Standard Battery**

- **Power Adapter**

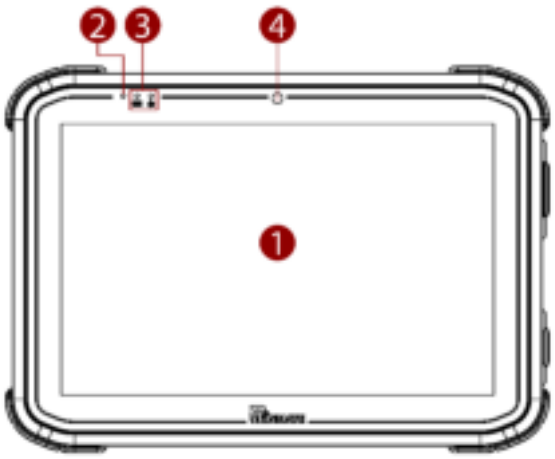
- **Power Cord and Plugs**

- **Quick Start Guide**

2.3 Description of Parts

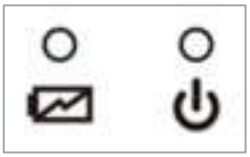
Dimensions: 268 x 187 x 22.2 mm

Front:



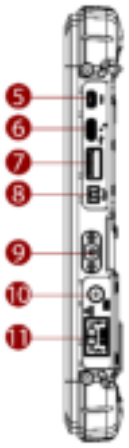
No	Item	Description
1	10.1" Touch Screen	Display and act as one of the inputs for the Tablet Computer
2	Light Sensor	To automatically adjust the screen brightness based on the surrounding light.
3	LED Indicators	Show the current status of the tablet computer: battery status and power status.
4	Front Camera	2 Megapixel Webcam

Front LED Indicator Details:



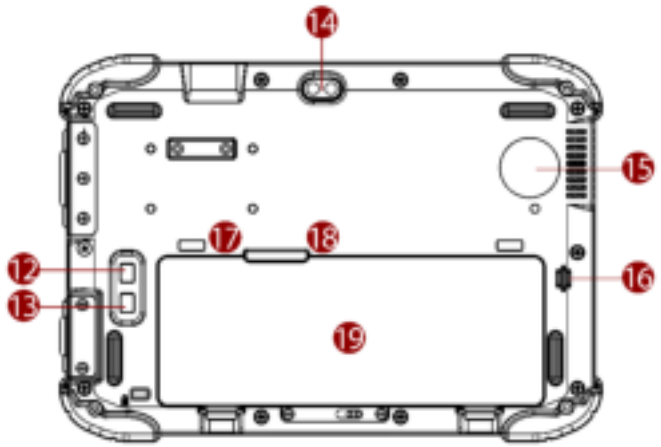
Left:

Right:



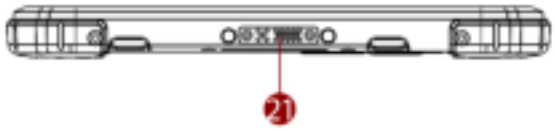
No	Item	Description
5	Micro HDMI (Optional)	HDMI output to the external display
6	USB 3.0 Type-C	A high-speed USB port connects to USB devices. **Note:** The USB Type-C connector follows USB 3.0 standards, not supporting Alternate Mode (ALT) or USB Power Delivery (USB-PD).
7	USB 3.0 Type-A	USB 3.0 port connects to USB devices, such as USB flash drive, mouse, keyboard, printer, etc.
8	Audio Jack	Headset or headphone can be connected (Mic is only supported with 3.5mm 4-pin headset)
9	Power Button	Power on/off the tablet
10	Power Jack	DC power input jack.
11	RJ45 Connector (Optional)	Connects the LAN cable.

Rear:



Top:

Bottom:



No	Item	Description
12	Fn1 Button	Programmable function key configured by Hottab Utility
13	Fn2 Button	Programmable function key configured by Hottab Utility
14	Rear Camera	8MP Autofocus Camera. Captures photos and videos.
15	Fan	Cooling system
16	Speaker	Sends out sound and voice from the computer.
17	SIM card slot	Service window to insert Nano SIM card.
18	MicroSD Card Reader	Memory card reader port for MicroSD Card
19	Battery	11.4 V, typ. 3500 mAh. Li-Polymer Battery (3SIP)

No	Item	Description
20	Barcode Reader (Optional)	Barcode Scanner for reading of 1D/2D barcode.
21	Docking Connector	Port to docking solutions such as vehicle docking to provide power and external antenna.

2.4 Indicators

Icon	Indicator	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 the battery is fully charged **Solid Red** - Low battery (<10%) **Blinking Red** – Battery is hot-swapped. **No light** – Battery is in use, and more than 10%

2.5 Hotkey for Specific Functions

Physical buttons with its dedicated functions can also be used to emulate commonly used keyboard keystrokes. Under a different scenario, a single physical button or a combination of physical buttons provide different keyboard keystrokes, which are specified below:

In POST (before Windows boots up):

Buttons	Keystroke
Fn1	F6 to enter Recovery Menu
Fn2	Esc to enter BIOS setup screen

In Windows:

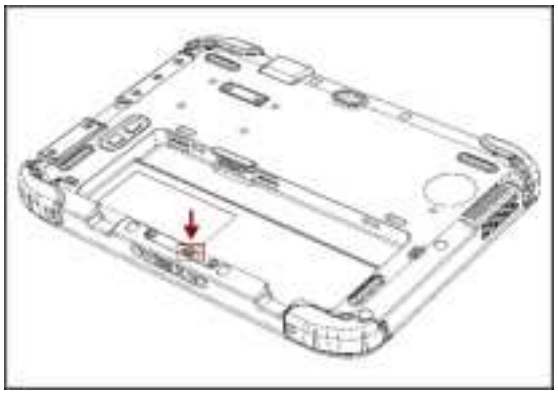
Buttons	Keystroke
Fn1	Default: Web Browser
Fn2	Default: Camera

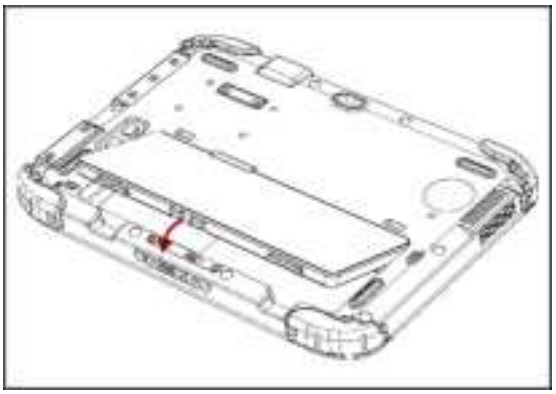
2.6 First-Time Operation

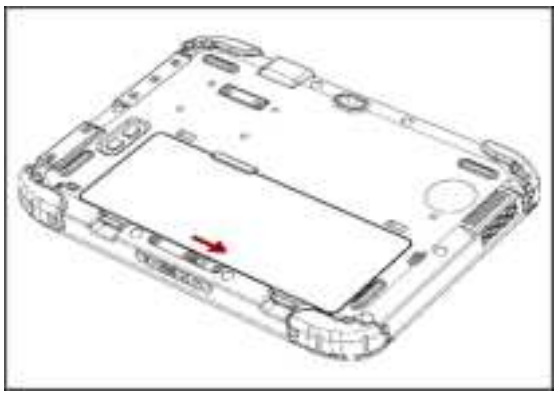
2.6.1 Installing Battery

To install the standard battery pack:

1. Disconnect any cords connected to the tablet computer and turn the tablet over, back facing up.
2. Locate the Battery Lock and slide it to the "Unlocked" position.
3. Insert the battery with the connector-pins side first, and then lower the battery into the battery compartment. The battery will be flat against the housing once fully inserted.
4. Slide the Battery Lock to the "Locked" position.

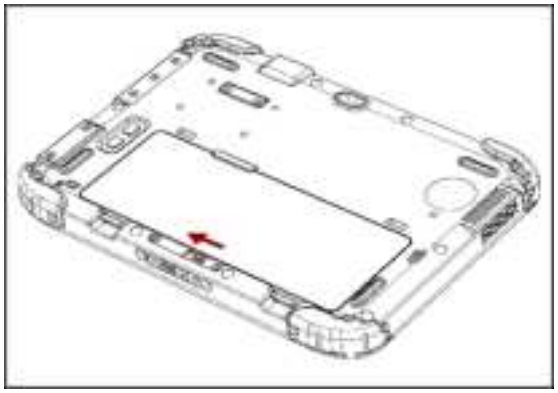


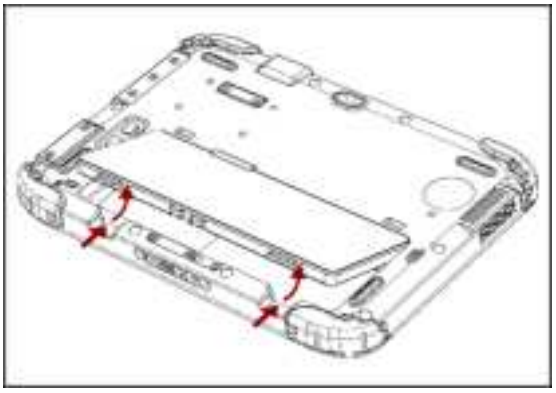




To remove the battery pack:

1. Shut down the tablet (or put it into sleep mode). Disconnect any cords connected to the computer.
2. Turn the tablet computer over, back facing up.
3. Locate the Battery Lock and slide it to the "Unlocked" position.
4. Push and hold the Battery Release Latch while lifting the battery out of the compartment.



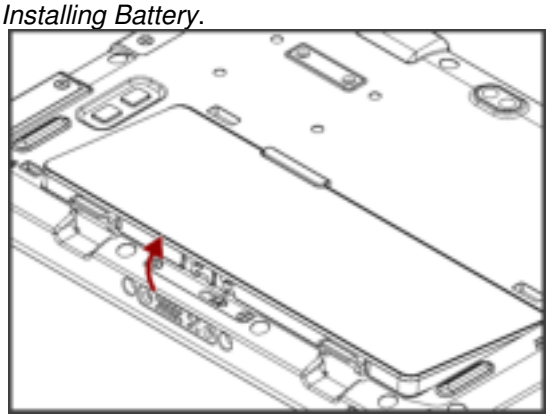


2.6.2 Installing SIM card (For 4G/LTE Equipped Devices)

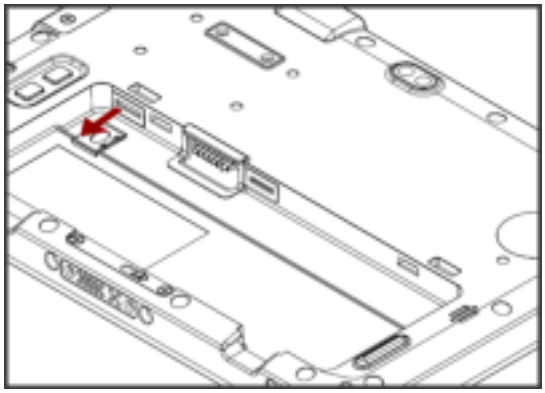
The Tablet Computer supports 4G/LTE data connections and fits a Nano-SIM card.

To install the SIM card:

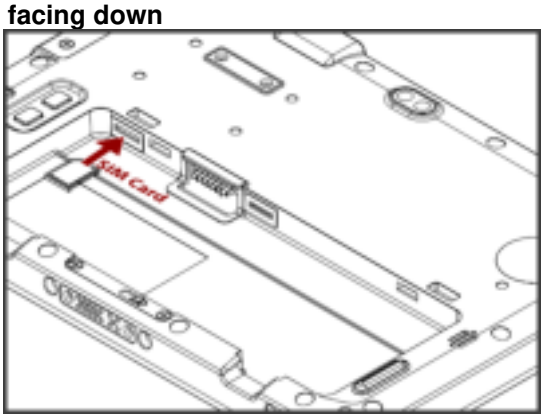
❶ Remove the battery, as described in section *2.6.1 Installing Battery*.



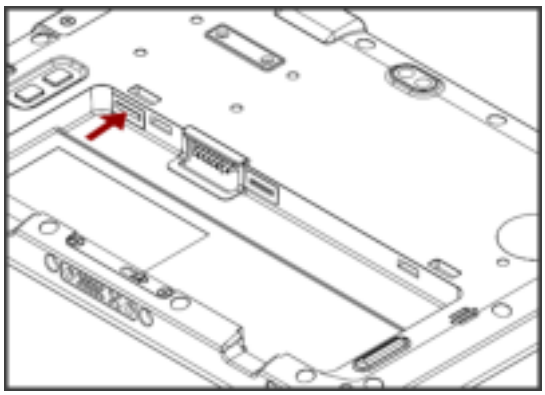
❷ Open the SIM-card slot rubber protection cover.



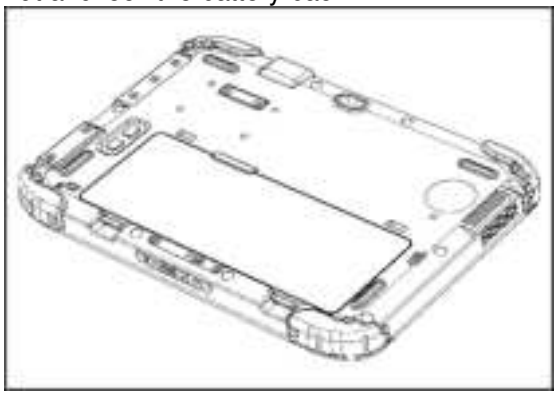
❸ Insert SIM-Card all the way in. **Chip/contact is facing down**



❹ Close the SIM-card slot rubber protection cover.



❺ Put and lock the battery back.

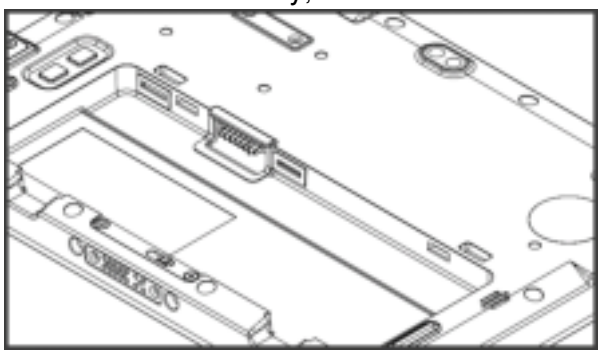


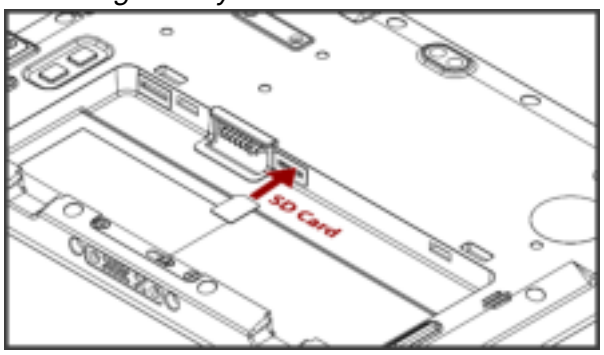
2.6.3 Installing a MicroSD Card

Your tablet supports up to 128GB additional storage with an optional microSD card slot.

To install MicroSD Card:

1. Remove the battery, as described in section *2.6.1 Installing Battery*.
2. Open microSD slot protective cover
3. Insert the microSD card into a slot with contacts facing down.
4. Press the card in to ensure that it is seated properly.
5. Close I/O protective cover.
6. Put back the battery, as described in section *2.6.1 Installing Battery*.





To remove Micro SD Card:

1. Remove the battery, as described in section *2.6.1 Installing Battery*.
2. Open I/O protective cover by pulling out the latch.
3. Push and release the microSD card to unlock it.
4. Pull out the microSD card.
5. Put back the battery, as described in section *2.6.1 Installing Battery*.

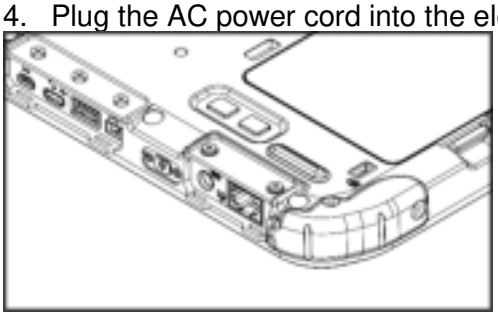
2.6.4 Charging Your Tablet

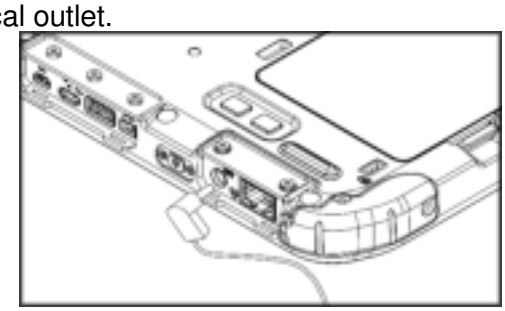
The tablet operates either on external AC power or internal battery power. It is recommended to use AC power when you start up the tablet for the first time.

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 tablette. L'utilisation d'autres adaptateurs secteur peut endommager la tablette et la batterie.

To connect a tablet to AC power:

1. Open I/O protective cover by pulling out 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. Plug the AC power cord into the electrical outlet.





The battery LED indicator shows different battery states:

Orange - AC adapter is plugged in and battery is charging.
Green - AC adapter is plugged in and battery is fully charged.
Solid Red - Low battery level (<10%).
Blinking Red – Battery is hot-swapped.
No light – Battery is in use and charged (>10%).

2.6.5 Starting the Tablet

Important:
When powering on the device for the first time, please make sure there's no interruption during the Windows setting up process, for example, accidentally powering off. If it happened, please access the recovery menu by pressing **Fn1** button to initiate the recovery process.

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 tablet is booted to Windows.

- Connecting or disconnecting the AC adapter
- Pressing the power button
- Touching the tablet buttons, screen, or external keyboard/mouse

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 **Power**.
3. Tap on **Shut Down**.
4. Wait for Tablet Computer to power off.

Note:
The computer will forcibly be powered off if the power button is pressed and held for **6 seconds or longer**.

Chapter 3: 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.

3.1 Introduction

The S101TG Tablet Computer operates on Windows 10 IoT Enterprise operating system.

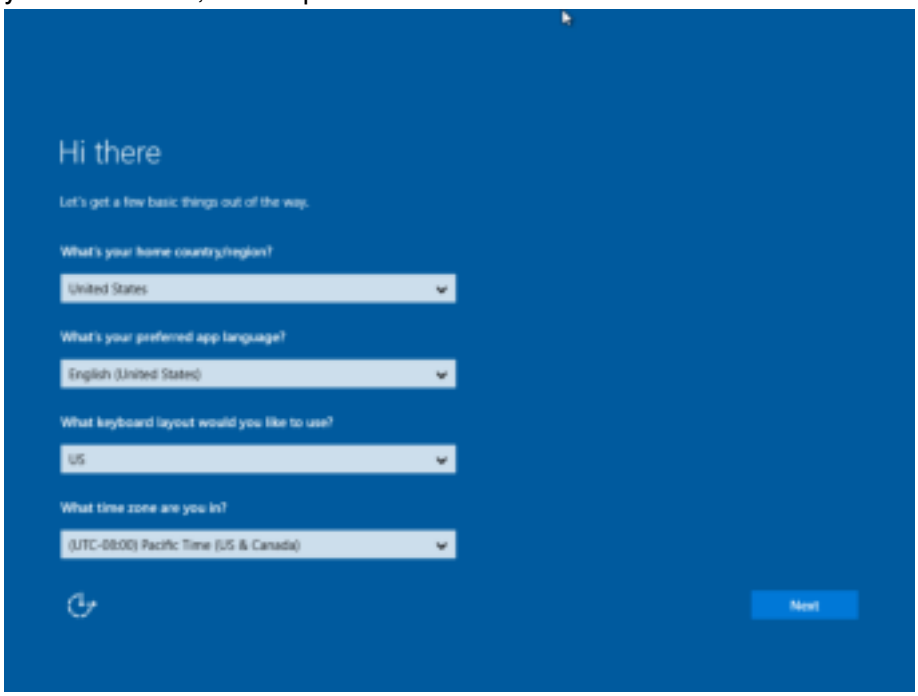
Caution Make sure the battery is full charged before starting the Tablet Computer for the first time with internal battery power.
Attention Assurez-vous que la batterie est complètement chargée avant de démarrer la tablette PC pour la première fois avec l'alimentation par batterie interne.

- **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 have mobile broadband) with a public network and is *not* trusted. Select the location where you will most often use the computer.

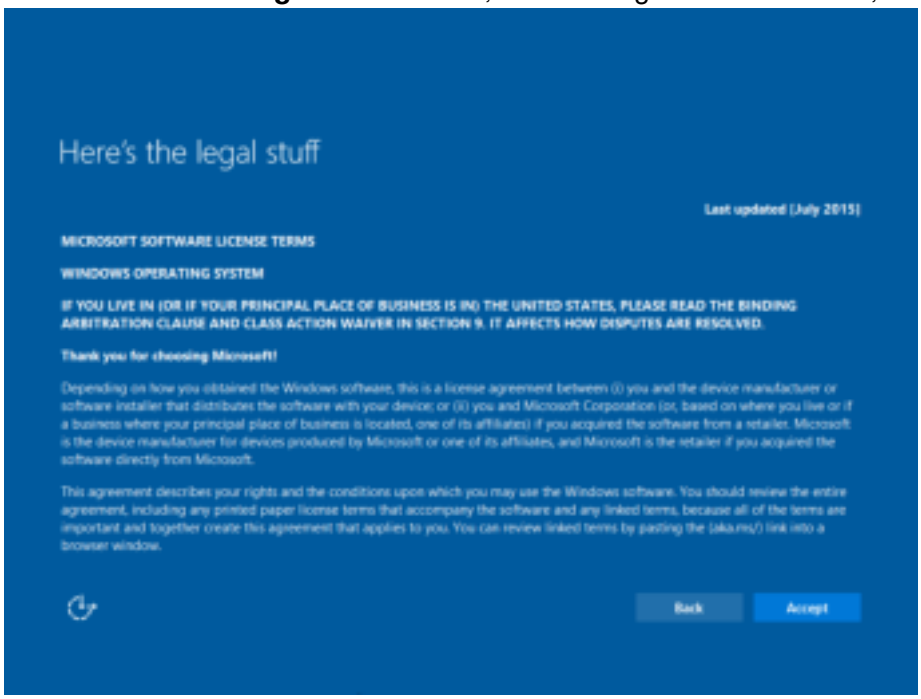
3.2 Setting up Windows 10 IoT Enterprise

Follow the steps below to complete the Windows 10 IoT Enterprise set-up process.

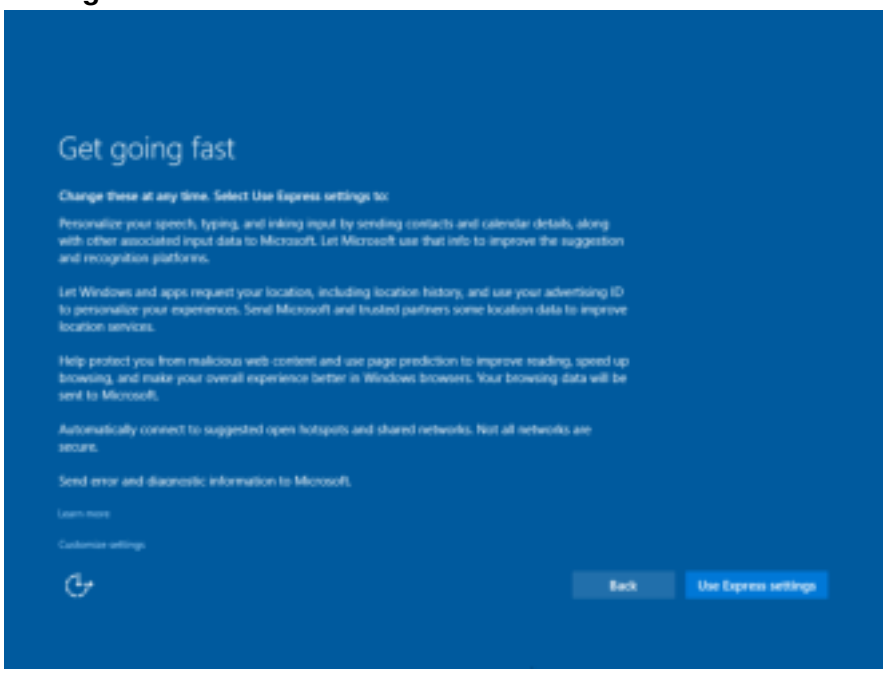
1. Press the power button to turn on the computer.
2. First, select your country/region, your preferred app language, your preferred keyboard layout, and your time zone, then tap **Next**.



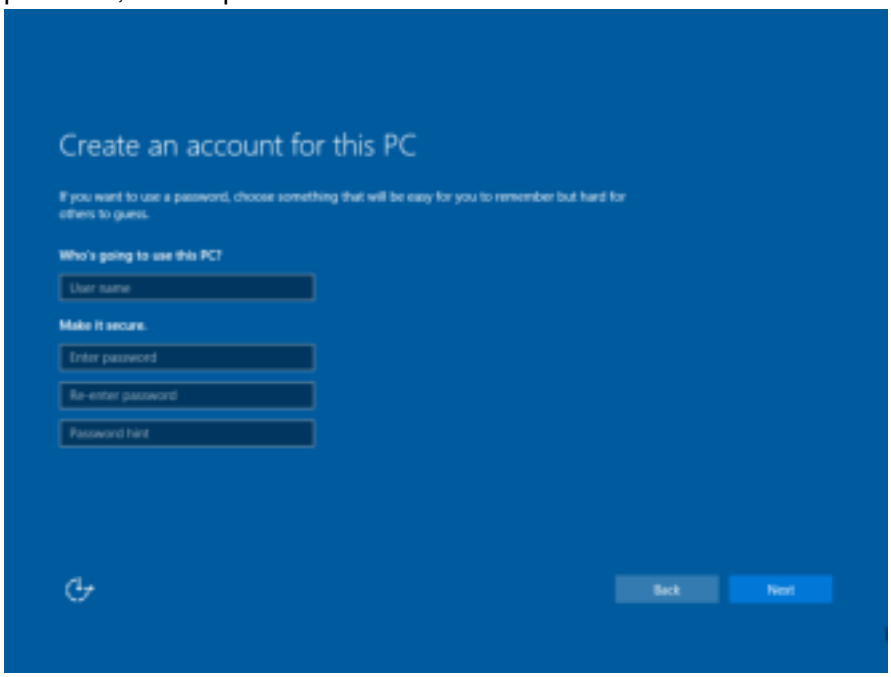
3. On the **Here's the legal stuff** screen, read through the disclosures, then tap **Accept**.



4. Windows will then try to connect to a network. Tap **Skip this step** to continue without a wireless connection, as you can then set up the network later.
5. On the **Get going fast** screen, click **Use Express settings** for the quickest set-up. If you want more information, tap **Learn more**, or if you would like to select your own options, click **Customize settings**.



6. To create a local account, type your **User name**, **password**, and **Password hint** in the fields provided, then tap **Next**.



7. The initial setup screens are complete, and the desktop is displayed.
8. 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 4: Operating the Device

This chapter describes how to operate the S101TG Tablet Computer, including camera, Hottab, barcode, WWAN, WLAN, GPS features.

Note:
Please download the SDK from Winmate Download Center (the QR code in the cover page) >> S101TG >> Development Kit.
Please notice that the barcode reader is an optional module. Please make sure you have ordered the module before using the SDK.

4.1 Hottab Introduction

Hottab provides quick access to the tablet's functions and features, such as setting up shortcuts, using camera, powering on/off built-in devices, programming function keys, and changing power management.

As Windows starts up, Hottab starts and runs in the background. To display the Hottab control utility, launch the Hottab Utility application.

Hottab Utility Icon:

The main user interface is located on the right side of the screen. There are 4 main menu options: Shortcuts, Camera, Device ON/OFF, and Settings. Operations and functions on each menu option are explained in detail in the coming section.

Icon	Description
Shortcuts	Allows users to configure short cut to access programs quickly with a few tabs.
Camera	Allows users to take a picture or record a video. Users can also adjust the setting related to the camera in this menu option.
Device ON/OFF	Enables/disables tablet computer's hardware functions. The configurable functions are Wi-Fi, WWAN (4G/LTE), GPS, Bluetooth, Camera, LED indicators, Barcode Reader, and GPS Antenna routing options.
Settings	Provide PC information, battery status, device settings such as power management setting, and function key mappings.

4.2 Shortcuts

Hottab Shortcuts Menu provides a user-friendly interface to configure onscreen software shortcuts and allow users to access programs quickly with a few tabs. The Shortcuts menu offers 8 empty slots to store user's desired quick access. Shortcuts can be mapped to any of the executable files (.exe) installed on the tablet.

Short Cut Menu:

To store a new shortcut:

1. Launch the Hottab Utility application.
2. Tap on the **Shortcuts** button.
3. Tap on button of any empty slot.
4. An onscreen file browser will appear.
5. Browse to find the desired application to have a shortcut.
6. Click "Open" to save the shortcut.

To remove a saved shortcut:

1. Launch the Hottab Utility application.
2. Tap on the **Shortcuts** button.
3. Tap on the button of any saved slot to remove
4. The shortcut will be removed and show "Empty" to indicate the slot is empty.

Tap on the button will hide the Hottab Utility Menu.

Using the Hottab shortcuts:

1. Launch the Hottab Utility application.
2. Tap on the **Shortcuts** button.
3. Tap on the saved shortcut items to access saved programs.

4.3 Using Camera

This Hottab menu option allows users to take a picture or record a video. Before use, make sure the camera is on under the **Device ON/OFF** menu with the following scenarios.

To open camera interface:

1. Launch the Hottab Utility application.
2. Tap on **Device ON/OFF** button to check the status of the built-in device.
3. Check the status color of the **Camera** icon:

Item	Status Color	Description
Camera	Orange	The camera is enabled.
	White	The camera is disabled.

4. If the camera is disabled (white), tap on the *Camera* icon to enable it (orange).
5. Go back to the Hottab main menu by click on the back arrow on top.
6. Tap on the *Camera* icon to open camera menu.

No	Item		Description
1	**Review**		Review
2	**Settings**		Open camera settings page. Available Settings: • **Picture Save:** modify/inspect the saved location for pictures. • **Video Save Folder:** modify/inspect the saved location for video recordings. • **Picture Quality:** Picture compression quality.
3	**Camera Switch**		Switch between front or rear camera.
4	**Flash Control**		Enables/ disables LED Flash when taking a picture.
5	**Video Record**		Tap to Start, and press again to stop recording.
6	**Shutter Camera**		Camera Shutter Button. Tap to take a picture.
7	**Exit**		Exit the Camera and hide Hottab Utility.

4.4 Built-in Devices On/Off

This section describes how to get quick access to set up built-in devices, including turning on/off RF modules and setting up barcode reader.

4.4.1 Using the Wireless LAN (Wi-Fi)

To use the wireless LAN (Wi-Fi) feature to connect to the network, perform the following procedure:

1. Launch the Hottab Utility application.
2. Tap on the **Device ON/OFF** button.
3. Check the status color of the **Wi-Fi** icon:

Item	Status Color	Description
Wi-Fi	Orange	Wi-Fi is enabled.
	White	Wi-Fi is disabled.

4. If the Wi-Fi feature is disabled (white), tap on the Wi-Fi icon to enable it (orange).
5. Click the wireless network connection status icon in the Windows notification area. A list of available wireless networks is displayed.
6. Double-click a network to connect to it. Provide required authentication information if needed.
7. To check the connection status, observe the wireless network connection status icon in the Windows notification area. The more bars the icon shows, the better the wireless LAN connection strength is.
8. Now wireless LAN connection is set up, try to connect to the network with an internet browser such as Internet Explorer.

4.4.2 Using the Wireless WAN

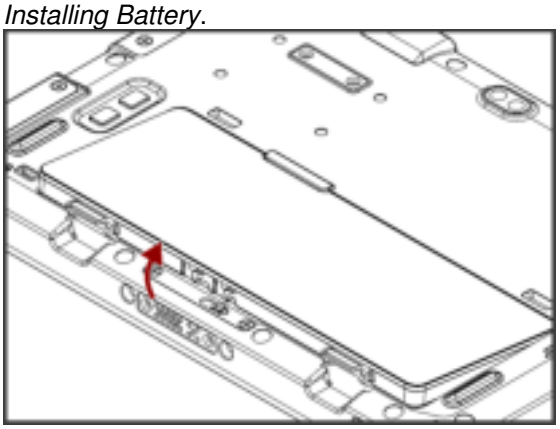
The Tablet Computer supports data connection with 4G/LTE modules and fits a Nano SIM card. (**Note:** 4G/LTE feature is optional).

4.4.2.1 Installing a SIM card

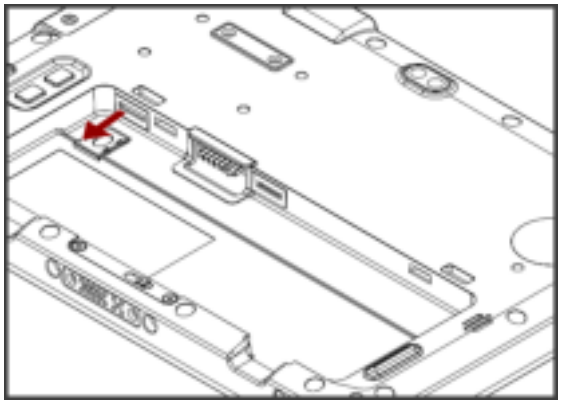
Caution Power off the tablet before installing the 4G/LTE module and Nano SIM card, or the tablet computer might be damaged by the incorrect installation behaviors.
Attention Mettez la tablette hors tension avant d'installer le module 4G / LTE et la carte Nano SIM, sinon la tablette peut être endommagée par des comportements d'installation incorrects.

To install the SIM card:

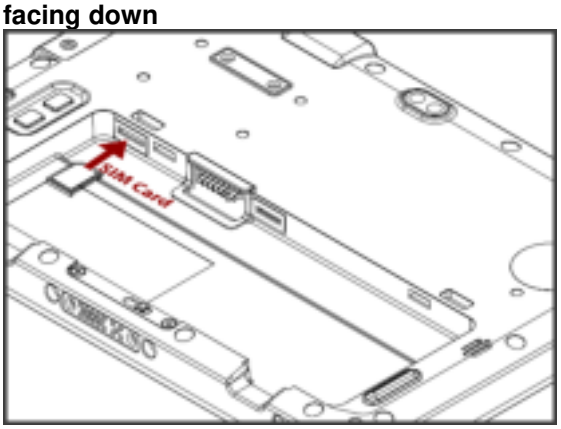
❶ Remove the battery, as described in section *2.6.1 Installing Battery*.



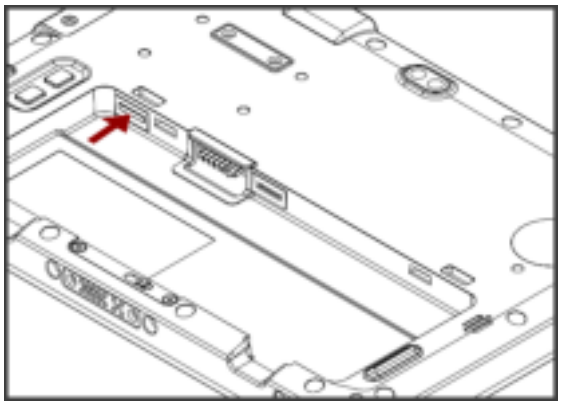
❷ Open the SIM-card slot rubber protection cover.



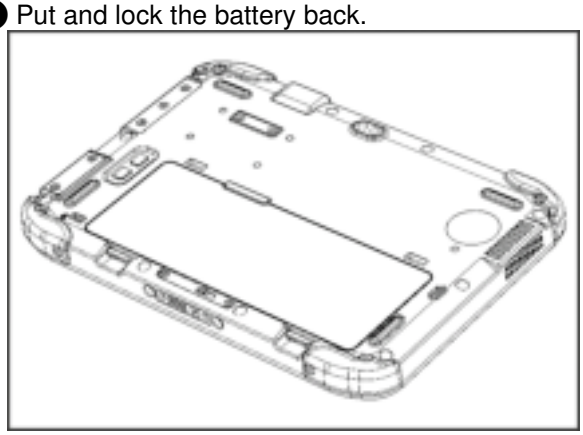
❸ Insert SIM-Card all the way in. **Chip/contact is facing down**



❹ Close the SIM-card slot rubber protection cover.



❺ Put and lock the battery back.



4.4.2.2 Using Wireless WAN Feature

To connect to the network using wireless WAN:

1. Launch the Hottab Utility application.
2. Tap on the **Device ON/OFF** button.
3. Check the status color of the **WWAN** icon:

Item	Status Color	Description
WWAN 4G/LTE	Orange	WWAN (4G/LTE) is enabled.
	White	WWAN (4G/LTE) is disabled.

4. If the WWAN feature is disabled (white), tap on the WWAN icon to enable it (orange).
5. You can check the wireless WAN connection status through the wireless network connection status icon in the Windows notification area. The more bars encompassed, the better the signal is.

4.4.3 Using the GPS

To enable the GPS:

1. Launch the Hottab Utility application.
2. Tap on the **Device ON/OFF** button.
3. Check the status color of the **GPS** icon:

Item	Status Color	Description
GPS	Orange	GPS is enabled.
	White	GPS is disabled.

4. If the GPS feature is disabled (white), tap on the GPS icon to enable it (orange).
5. Now the GPS feature is ready to be used with an application utilizing the GPS.

4.4.4 Using the Bluetooth

To enable the Bluetooth:

1. Launch the Hottab Utility application.
2. Tap on the **Device ON/OFF** button.
3. Check the status color of the **Bluetooth** icon:

Item	Status Color	Description
Bluetooth	Orange	Bluetooth is enabled.
	White	Bluetooth is disabled.

4. If the Bluetooth feature is disabled (white), tap on the **Bluetooth** icon to enable it (orange).
5. Click the **Bluetooth** icon in the Windows notification area. A contextual menu for Bluetooth is displayed.
6. To add a device, tap on **Add a Bluetooth Device**. Windows will search any Bluetooth device automatically
7. Choose the Bluetooth device to connect and follow the onscreen prompt to continue the pairing procedure and use the Bluetooth device.

4.4.5 Turning On/Off LED Indicators

The LED Indicators for Power and Battery status can be turned on/off from Hottab menu.

To enable/disable the LED indicators:

1. Launch the Hottab Utility application.
2. Tap on the **Device ON/OFF** button.
3. Check the status color of the **Indicator** icon:

Item	Status Color	Description
Indicator	Orange	LED indicator is enabled.
	White	LED indicator is disabled.

4. If the indicator is disabled (white), tap on the Indicator icon to enable it (orange).

4.4.6 Using the Barcode Reader

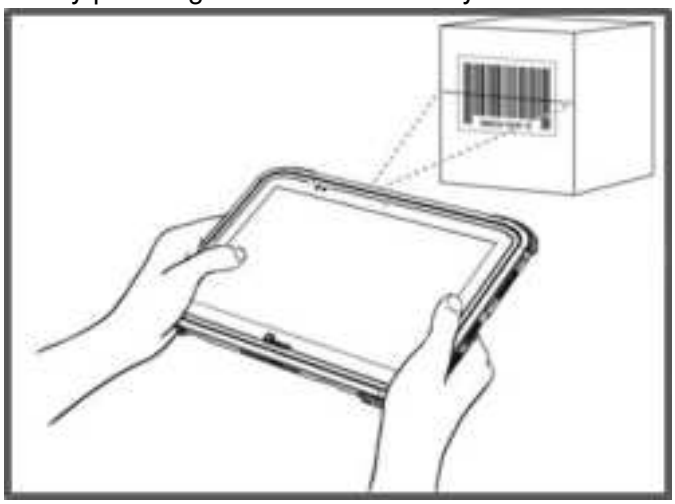
The 2D/1D Barcode Reader is optional for S101TG Tablet PC and is not re-workable by the end-user. To use this feature, please make sure the tablet PC has a built-in barcode reader before use, or contact our sales contact window for more details.

To enable the Barcode Reader:

1. Launch the Hottab Utility application.
2. Tap on the **Device ON/OFF** button.
3. Check the status color of the **Barcode** icon.

Item	Status Color	Description
Barcode	Orange	Barcode Reader is enabled. Reading will need to be triggered manually thru Fn button.
	White	Barcode Reader is disabled.

4. Open the application where the barcode reader will be displaying the scanned barcode.
5. Trigger the barcode reader by pressing the Fn2 function key.

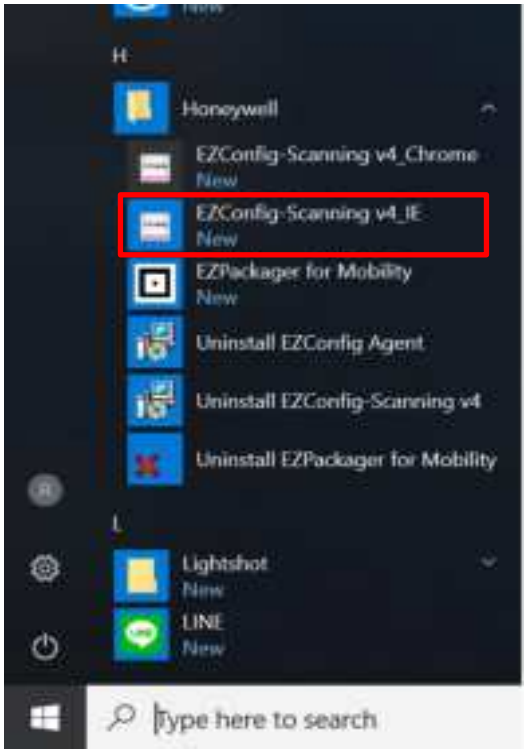


Tap the **Disconnect** button to stop the connection with Barcode Reader.

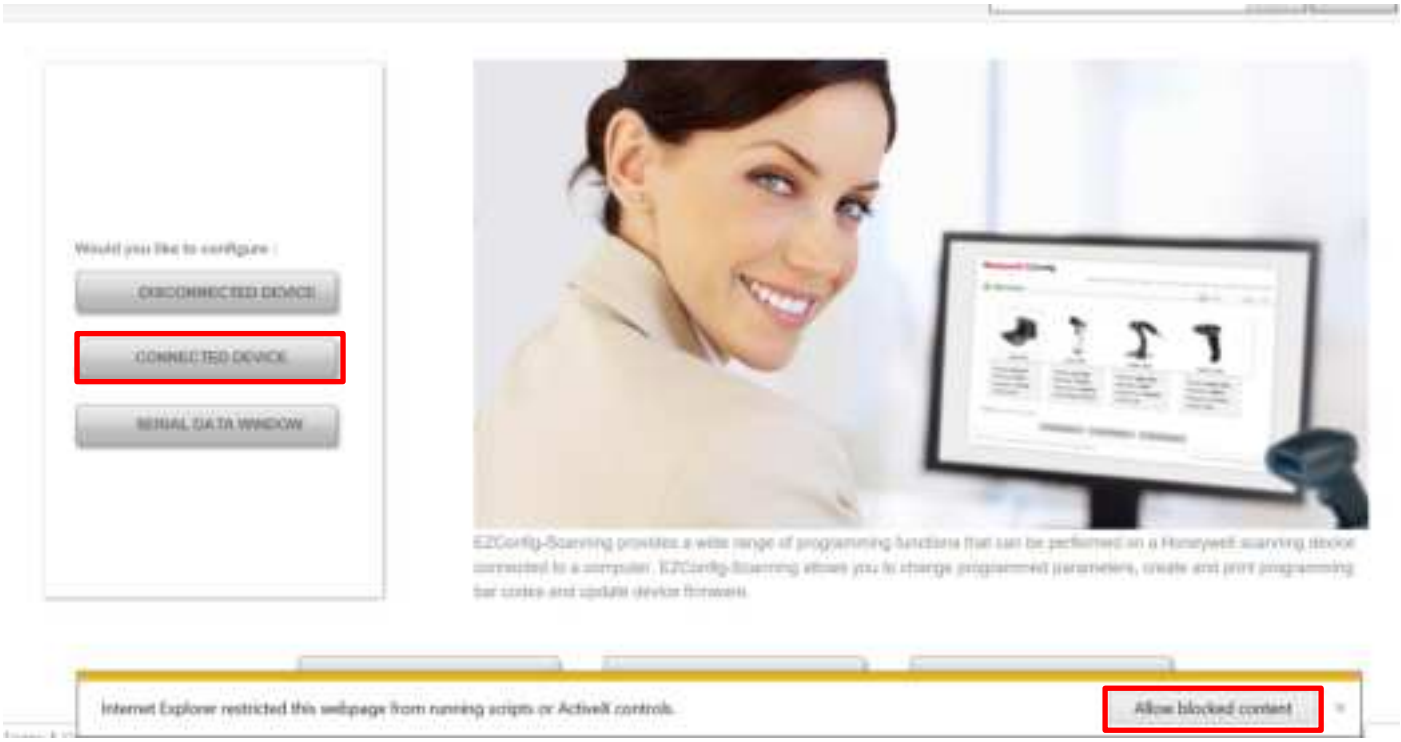
**To recover the connection, please tap on the button again to re-connect with Barcode Reader.*

4.4.6.1 Device Configuring and Setting

1. Click on Windows and search for **EZConfig-Scanning** from the Start menu.



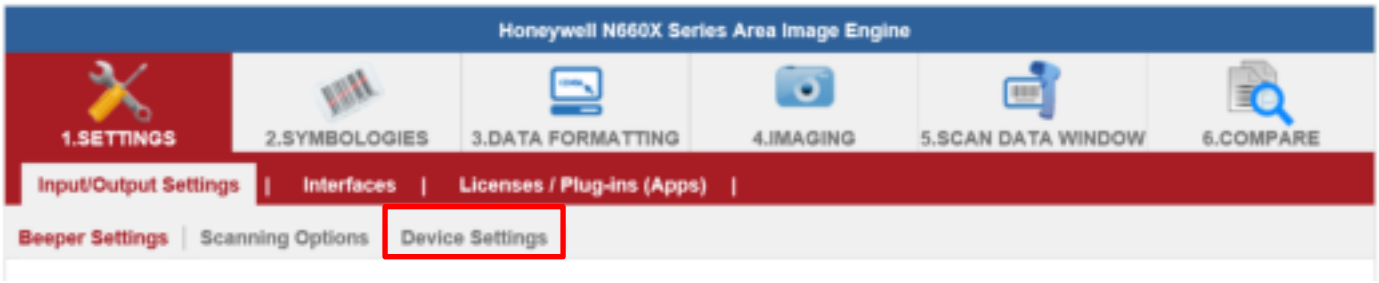
2. Click on **EZConfig-Scanning v4_IE** and allow the blocked content if the browser is blocking the content.
3. Click on the **Connected Device** icon and wait for the system to discover the device (Honeywell N660X).



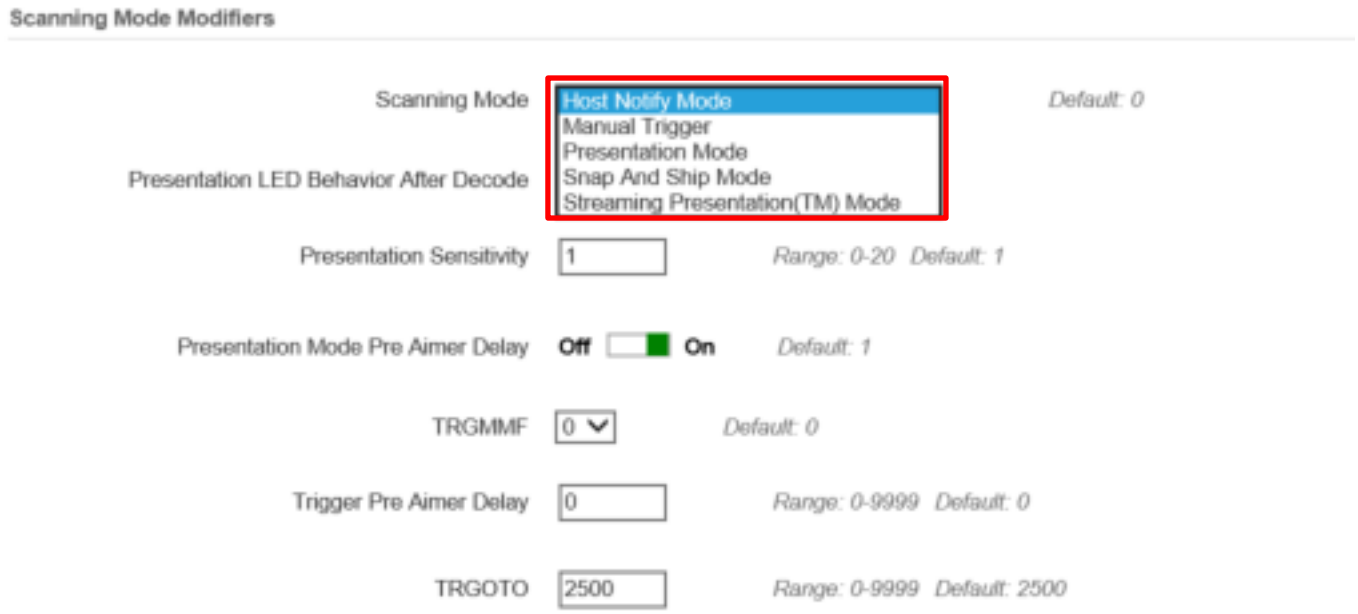
4. Once Honeywell N660X is discovered please click the **Configure Device** button as shown.

4.4.6.2 Scanning mode Settings

1. Click on **Device Settings** under the **Input/Output Settings** section.



2. Select the desire scanning mode from the drop-down menu shown below.



3. After selecting a desire scanning mode, click on the **Save to Device** on the sidebar.

Scanning mode	Description
Manual Trigger	When in manual trigger mode, the scanner scans until a bar code is read or until the trigger is released. Two modes are available, **Normal** and **Enhanced**. Normal mode offers good scan speed and the longest working ranges (depth of field). The Enhanced mode will give you the highest possible scan speed but slightly less range than Normal mode. Enhanced mode is best used when you require a fast pace and don't require an extended working range. Default = Manual Trigger-Normal.
Presentation Mode	Presentation Mode uses ambient light and scan engine illumination to detect bar codes. When in Presentation Mode, the LEDs remain dim until a bar code is presented to the scan engine, then the aimer turns on, and the LEDs turn up to read the code. If the light level in the room is not high enough, Presentation Mode may not work properly.
Streaming Presentation Mode	When in Streaming Presentation mode, the scan engine's aimer goes out after a short time, but the scan illumination remains on all the time to continuously search for bar codes. Two modes are available, **Normal** and **Enhanced**. Normal mode offers good scan speed and the longest working ranges (depth of field). Enhanced mode will give you the highest possible scan speed but slightly less range than Normal mode. Enhanced mode is best used when you require a fast scan speed and don't require a long working range.
Host Notify Mode	Host Notify Mode bypasses the decoder and notifies the host that there has been a hardware trigger pull. When in Host Notify Mode, it is up to the host to initiate an Image Snap and/or an Image Ship command. It is also up to the host to switch to another trigger mode.
Snap and Ship Mode	Snap and Ship mode allows you to bypass the decoder and ship an image directly to the host. In this mode, an image is taken and shipped upon each trigger pull, instead of being sent to the decoder. Snap and Ship is useful when you are using your own decoder.

4.4.6.3 Setting the 1D/2D Barcode Scanner Symbologies

The barcode scanner is shipped with the default settings shown below. If the default setting suits the usage requirement, setting symbologies is not necessary.

Symbologies Default Settings:

	Symbologies	Default
Linear	UPC-A	Enable
	UPC-E	Enable
	EAN/JAN-8	Enable
	EAN/JAN-13	Enable
	UPC-E1	Disable
	UPC-A/EAN-13 Extended Coupon Code	Disable
	GS1 DataBar Omni-Directinal	Enable
	GS1 DataBar Limited	Enable
	GS1 DataBar Expanded	Enable
	Code 39	Enable
	Code 128	Enable
	ISBT 128	Disable
	GS1-128	Enable
	Interleaved 2 of 5	Enable
	Matrix 2 of 5	Disable
	NEC 2/5	Enable
	IATA 2/5	Disable
	Code 2/5	Disable
	Codabar	Enable
	Code 93	Enable
	Code 11	Disable
	MSI	Disable
	Telepen	Disable
	Trioptic Code	Disable
	Postal Code	Disable
	Planet Code	Disable
	Korea Psot	Disable
	China Post	Disable
	Australian Post	Disable
2D	Data Matrix	Enable
	PDF 417	Enable
	Micro PDF 417	Enable
	Codablock A	Disable
	Codablock F	Disable
	Maxicode	Disable
	QR Code	Enable
	Aztec	Enable
	Composite Code	Disable
	Han Xin	Disable

Changing the default setting of symbologies or the advanced setting

There are two methods to change the default setting of symbologies or other advanced settings:

Method (1). Click on the **Symbologies**

on the top. Then you can change the symbology to the default setting or make an advanced setting by its category. After setting, click on the **Save to Device** on the sidebar.

Method (2). Click on the **Reset to Default** button on the side as shown:

※Warning※

1. The reset to default button will change all settings to default.
2. N660X could disconnect with the system after clicking the **Reset to Default** button.

   If the Disconnection happened, please scan the barcodes below in the following steps.
   Step 1. First, please scan the USB HID barcode:

USB HID

Scan the following code to program the scan engine for USB HID.

TERMID131.

USB HID

Step 2. Then please scan the USB Keyboard barcode:

USB PC or Macintosh Keyboard

Scan one of the following codes to program the scan engine for USB PC Keyboard or USB Macintosh Keyboard. Scanning these codes also adds a CR suffix.

PAP124.

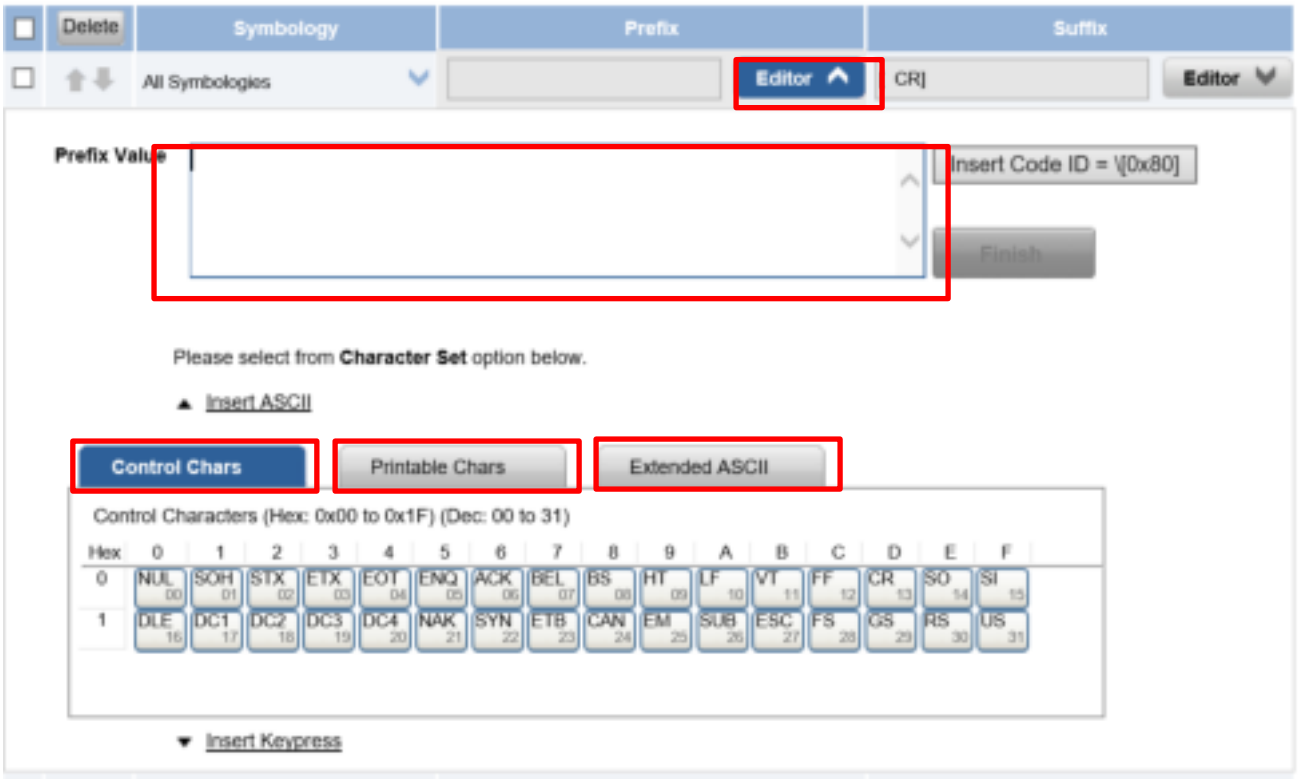
USB Keyboard (PC)

Step 3. Please rerun EZConfig-Scanning by following **4.4.6.1** ***Device Configuring and Setting***

4.4.6.4 Adding a Prefix or Suffix

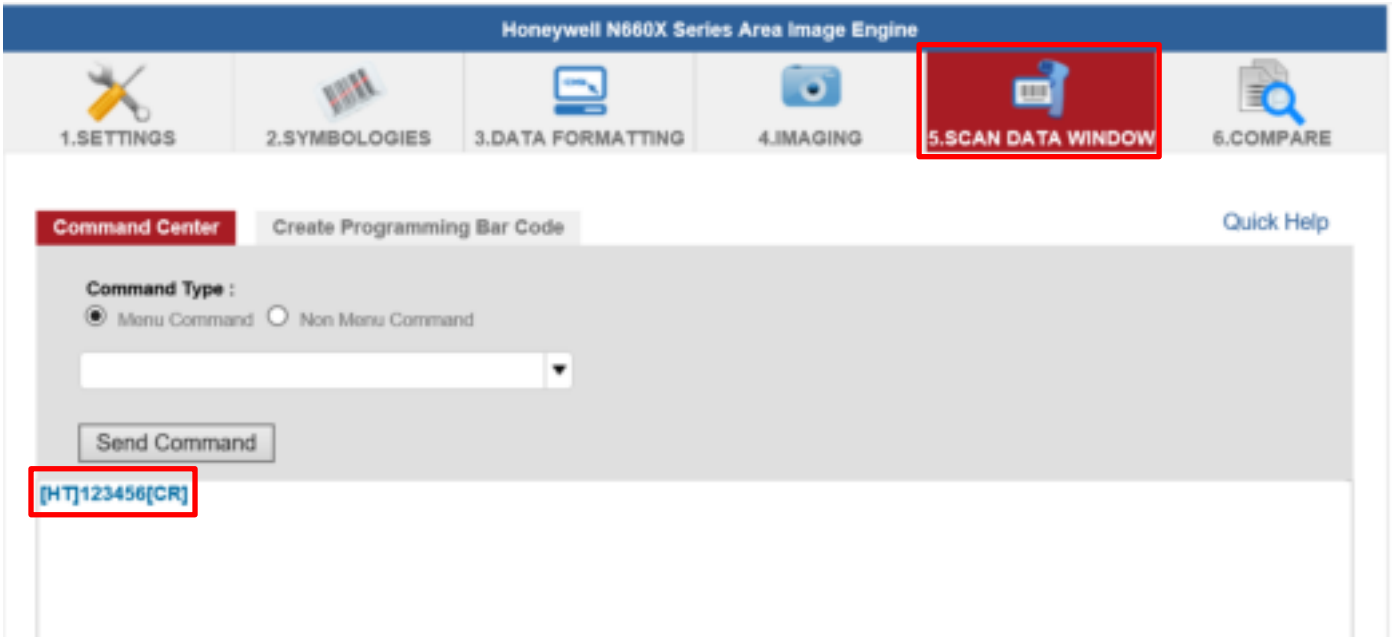
1. To add a refix or suffix, please click on the **Data Formatting** icon.

2. Click on the **Editor** button under the Prefix or Suffix section and create Prefix/Suffix value by typing in the block or select desire characters in the Control chars, Printable chars, and Extended ASCII. as shown below:



3. When you finish creating Prefix/Suffix, please click on **Save to Device** on the sidebar.

4. To check the functionality of Prefix/Suffix, please click on the **Scan Data Window** icon on the top. Then scan a barcode to verify if the Prefix/Suffix appears correctly.



4.4.7 Turn on/off the GPS External Antenna

The vehicle dock of the S101TG Tablet PC supports an external GPS antenna through a standard SMA connector. To work with an external GPS antenna, please make sure the tablet PC is installed correctly to the vehicle dock and the vehicle dock has connected with an external GPS antenna.

When working with the vehicle dock connecting to an external antenna, user can switch the GPS antenna from the internal to the external one from the Hottab menu.

To enable/disable the GPS Ext. Antenna:

1. Launch the Hottab Utility application.
2. Tap on the **Device ON/OFF** button.
3. Check the status color of the **GPS Ext. Antenna** icon:

Item	Status Color	Description
GPS Ext. Antenna	Orange	GPS Ext. antenna is enabled and using an external antenna if available
	White	GPS Ext. antenna is disabled and using built-in antenna

4. If the GPS Ext. antenna is disabled (white), tap on the GPS Ext. Antenna icon to enable it (orange).

4.4.8 Turn on/off the Light Sensor

The Light Sensor can be turned on/off from the Hottab menu. To enable/disable the Light Sensor, perform the following procedure:

1. Launch the Hottab Utility application.
2. Tap on the **Device ON/OFF** button.
3. Check the status color of the **Light Sensor** icon:

Item	Status Color	Description
Light Sensor	Orange	Light Sensor is enabled.
	White	Light Sensor is disabled.

4.4.9 Changing Touchscreen Modes

The tablet computer supports three built-in operating modes for different usage scenarios:

Mode	Description
Hand/Rain (Default)	In *Hand/Rain* mode, the touchscreen rejects false inputs from liquid drops. When the liquid is removed, the touchscreen accepts touch inputs from bare fingertips. *Supports input by:* • *Rubber tip passive stylus* • *Bare fingertips*
Stylus	In *Stylus* mode, the touchscreen supports inputs from the fine-tip passive capacitive stylus (shipped with tablet). *Support input by:* • *Fine-tip passive stylus with palm rejection* • *Rubber tip passive stylus* • *Bare fingertips*
Glove	In *Glove* mode, the touchscreen supports inputs while the user is operating the touchscreen with gloves on. *Supports input by:* • *Glove* • *Rubber tip passive stylus* • *Bare fingertips*

To change touch mode:

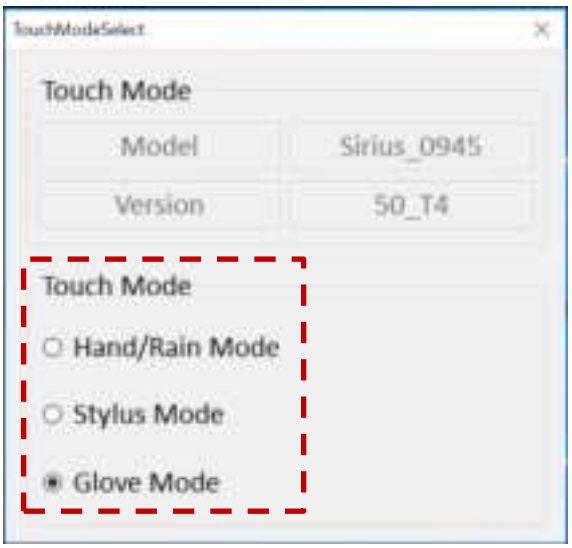
(1) Press and hold Function Key Fn1 (refer to User Manual, Chapter 4 to define the function key).

(2) Launch HotTab Utility application. Choose "**Device ON/OFF,** and then click "**Touch Set"** icon.

4.4.9.1 Switch via Built-in HotTab Utility

To switch touchscreen mode via the HotTab:

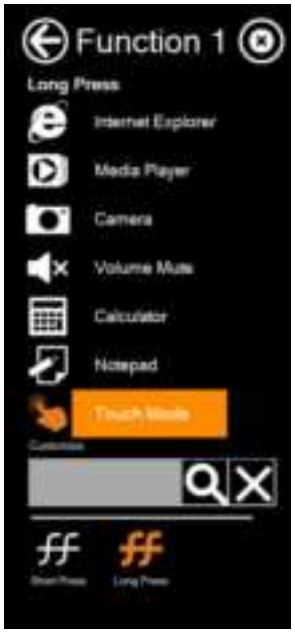
1. Launch the Hottab Utility application.
2. Choose "**Device ON/OFF"** and then click on **Touch Set** icon
3. Under the **Touch Mode**, select the desired touch modes by tapping on the radio button.
4. Here's also additional touch-related settings to switch the touchscreen input between mouse mode with a cursor or with multi-touch mode:
   Mouse Mode: Single touch point supported, with mouse cursor shown.
   Multi-touch Mode: The default setting of the touch screen supports multi-touch mode (up to 10 points)



4.4.9.2 Switch via Programmable Function Buttons:

To switch between the different touchscreen modes via the programmable function buttons, ensure the touchscreen mode switching is set to the programmable function buttons first.

1. Launch the Hottab Utility application.
2. Tap on the **Setting** button.
3. Tap on **Fn1** icon.
4. Tap on the **Long Press** icon.
5. Change the Long Press function to **"Touch Mode"** as shown below:



Once the touchscreen mode switching is set to the programmable function button, **Long Press** on **Fn1** function button to cycle through the different touchscreen modes, when touchscreen mode is switched, an icon will temporarily overlay on the lower center of the screen to indicate current touchscreen mode:

Chapter 5: Frequently Used Settings

5.1 Screen Resolution Scaling and Setting

The S101TG's 1920 x 1200 high-resolution display is perfect for viewing images, videos, or other applications. However, the 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 elements without moving away from the optimal resolution setting at 1920 x 1200. This section will explain how you can adjust the built-in windows display scaling setting and resolution setting.

Note:

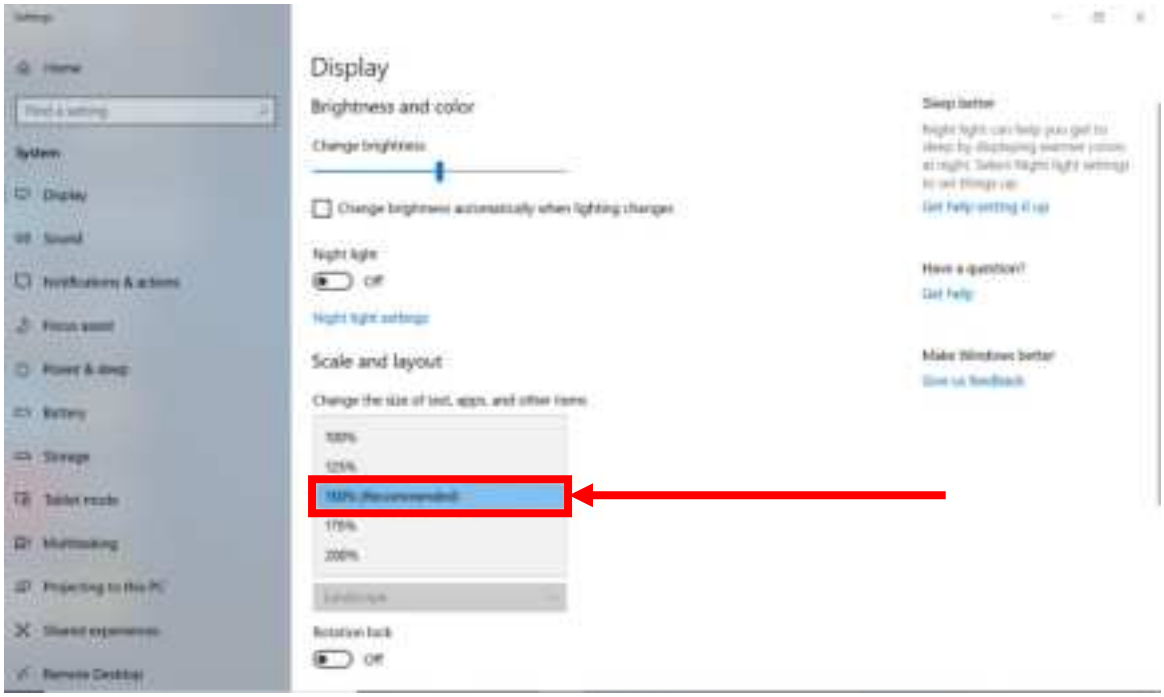
The Tablet computer is shipped with a display scaling set at **Larger - 150%**. We recommend the users set the scaling to this setting for optimal text and image viewing. Before proceeding to change the scaling option, make sure any opened document is saved and close also, all running applications are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

5.1.1 Changing Display Scaling (Recommended)

Perform the following to change the display scaling setting:

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

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

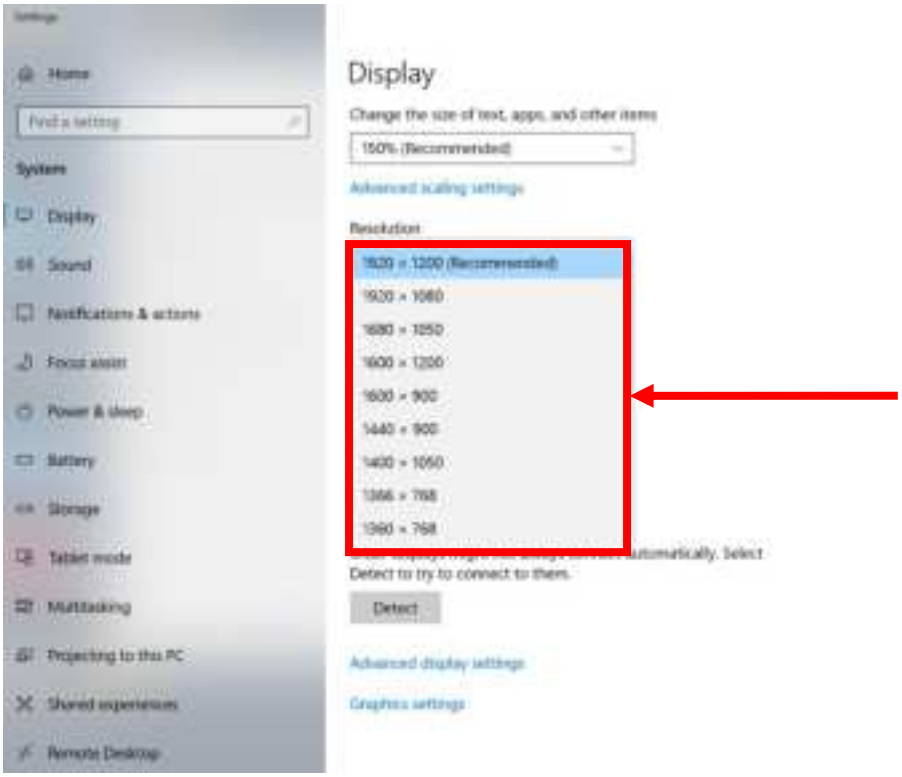


5.1.2 Changing Screen Resolution

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 the **Display settings** option as shown below:

2. Click on the drop-down option next to **Resolution** and select the desire resolution by tapping on the scale:



3. Hit **Apply**. A **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.

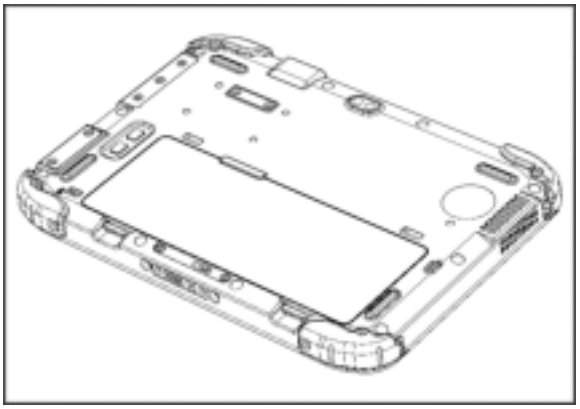
5.2 Replacing Battery

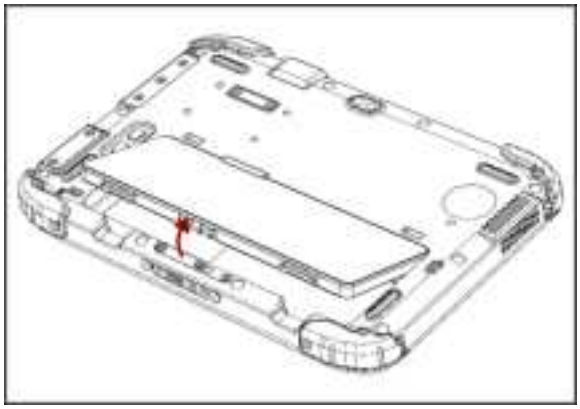
The S101TG Tablet supports an optional hot-swap battery design, meaning the tablet doesn't need to be powered off to replace the main battery. To support hot-swap, there is a backup battery inside the tablet that is charged together with the main battery. This battery cannot be removed and requires adequate power for the main battery hot-swapping. When the backup battery is fully charged, the tablet can sustain up to 5 minutes of runtime for battery hot-swapping.

Perform the following to hot-swap the batteries:

1. Power on the tablet, open Hottab to check the power level of the Backup battery.
2. If the Backup battery level is *Low*, please charge the tablet with AC Power until the Backup battery level is *Medium* or *High* and do not remove the main battery.
3. If the Backup battery level is at *Medium* or *High*, you can remove the main battery.
4. Insert a new fully charged battery into the battery compartment.
5. Pen Hottab to check the main battery level. If the battery level is displayed incorrectly, check if the new removable battery is inserted properly.
6. If the battery level is displayed correctly, continue using the tablet.

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.





5.3 Using Recovery Wizard to Restore Computer

S101TG Tablet Computer has a dedicated recovery partition stored on the tablet's hard drive to enable a quick one-key recovery process. This partition occupies about 11GB of the storage space and comes built-in to each S101TG Tablet Computer.

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

Avertissement! 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.

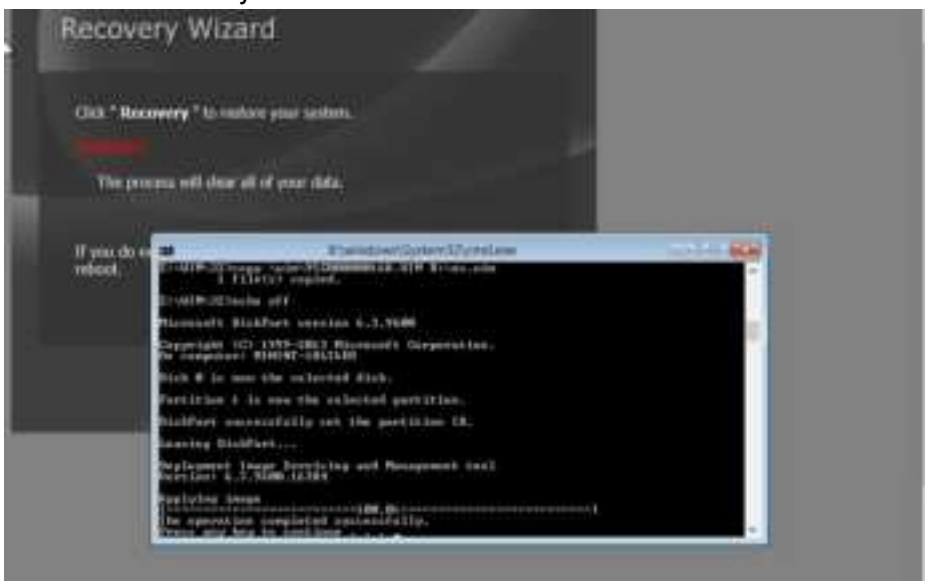
Follow the procedure below to enable quick one-key recovery:

1. Plug in the AC adapter into the tablet computer. Make sure the tablet computer stays plugged into the power source during the recovery process.
2. Power on the tablet computer, and when the boot screen shows up, press the **Fn1** button (Recovery Key) or press **F6** when using an external USB keyboard to initiate the Recovery Wizard.
3. The following screen shows the Recovery Wizard. Click on the **Recovery** button 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.

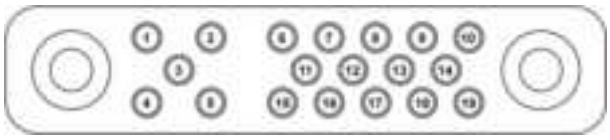
5. Wait till the recovery process to complete. During the recovery process, a command prompt will show up to indicate the percent of the recovery process.

6. After the recovery is complete, please press any key to continue, and the tablet computer will shut down automatically.



5.4 Docking Connector Pin Definition

S101TG tablet computer supports one 19-pin docking connector at the bottom side. The pin definition is listed in the following table.



19 Pin Docking Connector			
Pin No.	**Description**	**Pin No.**	**Description**
1	RF_GND	**11**	NC
2	DOCK_DET#	**12**	NC
3	GPS ANT	**13**	GND
4	RF_GND	**14**	Power
5	RF_GND	**15**	USB+
6	NC	**16**	USB-
7	NC	**17**	GND
8	DETECT+	**18**	GND
9	Power	**19**	DETECT-
10	Power		

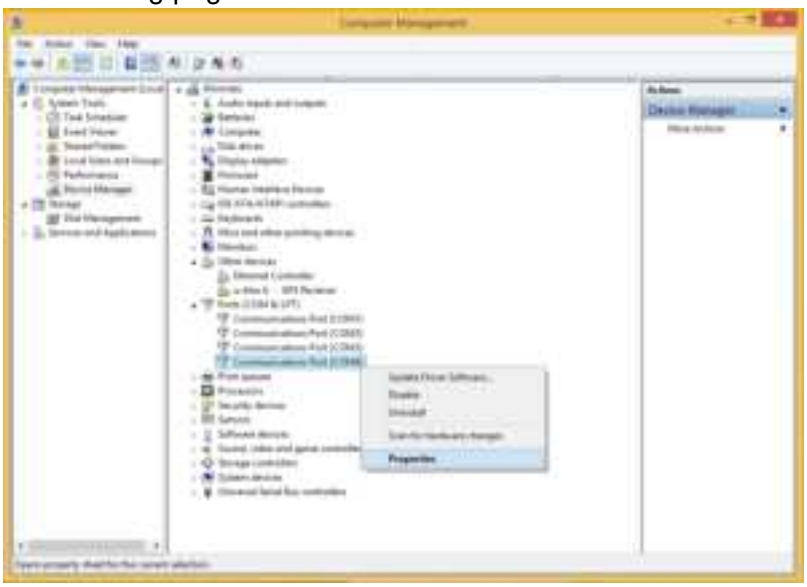
5.5 COM Port Definition

S101TG tablet computer uses Hottab utility for built-in peripherals control. All the COM port numbers have been defined in the OS image coming with the package.

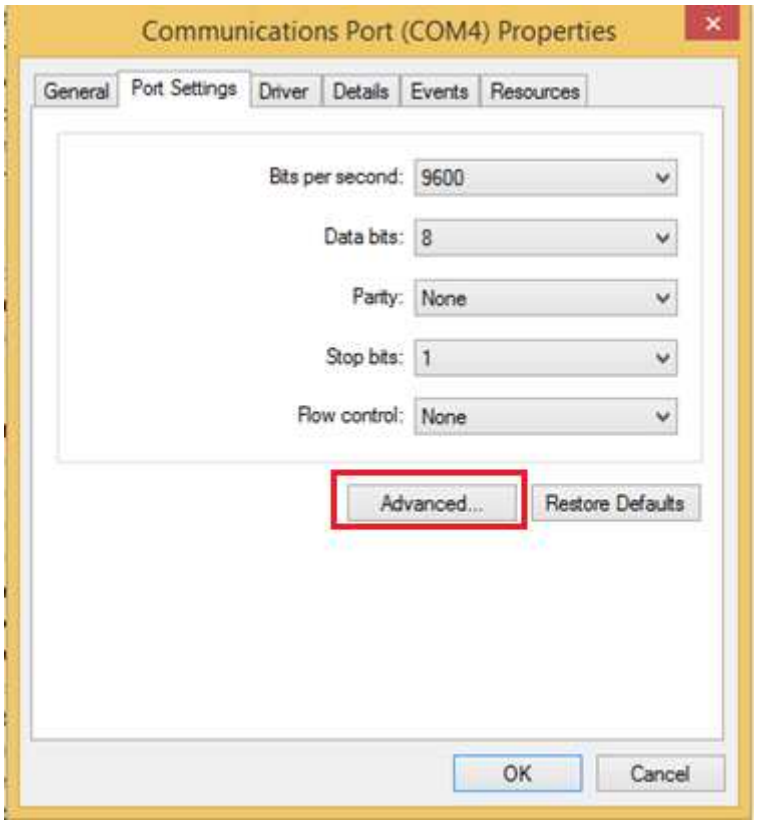
COM Port	Device
COM 1	Reserved
COM 2	Reserved
COM 4	Bluetooth Auto Pairing
COM 9	GPS
COM 11	RS232 at Docking (optional)

For some special applications, user might re-install OS and lose the COM port settings. To make sure the features work properly with Hottab utility, please follow the procedure below to re-define the COM port numbers:

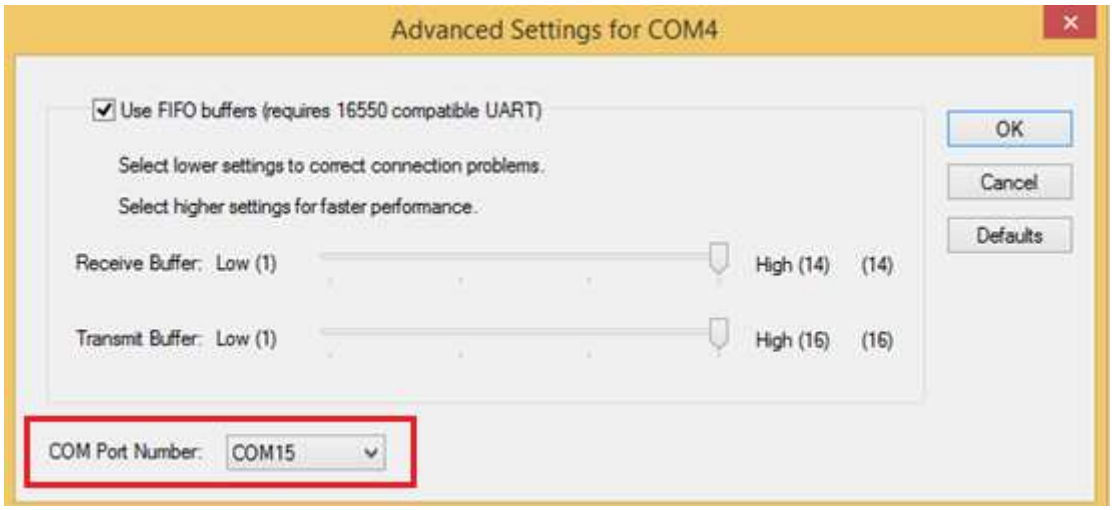
1. Go to **Device Manager**, right-click on the COM number that need to be changed, and tap on **Properties** to open the setting page.



2. Tap on the **Port Setting** tab and click on **Advanced** button.



3. Tap on the drop-down list, choose the correct COM Port Number (refer to the COM Port Definition Table), and click **OK**.



4. Double-check **Device Manager** to make sure the COM Port number has been re-defined successfully, and then restart the system.

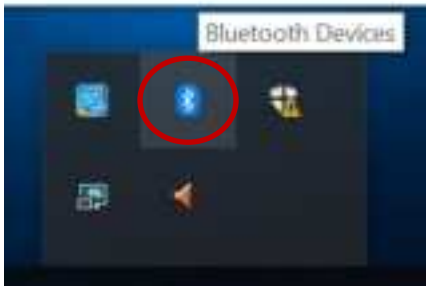
5.6 Pairing with a Wireless Bluetooth Barcode Scanner

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

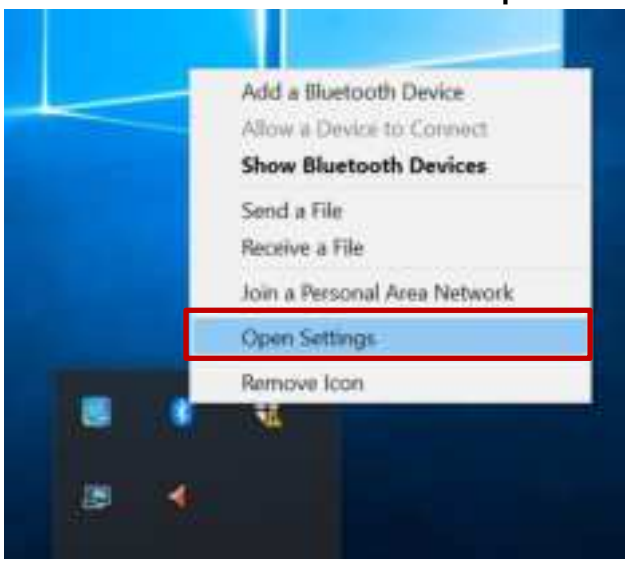
5.6.1 Setup Computer for Bluetooth Pairing

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

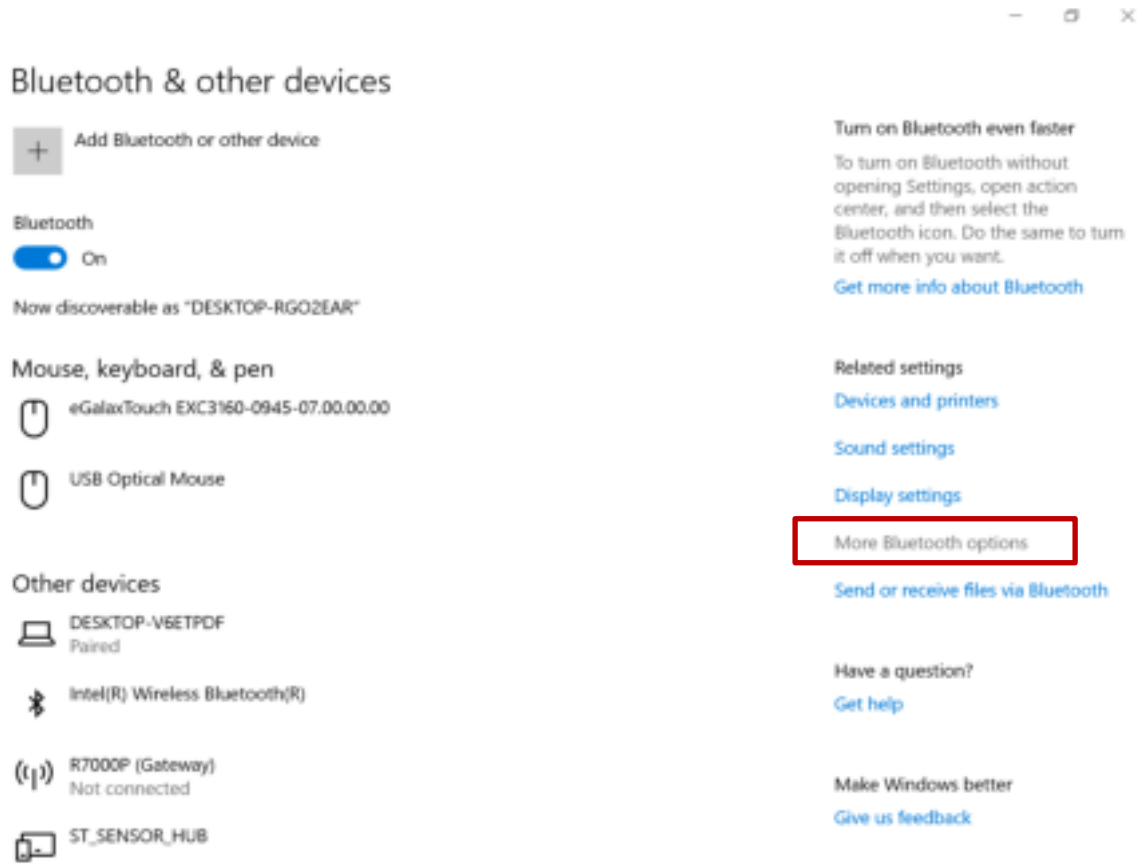
1. Locate the **Bluetooth** icon in the Notification Area



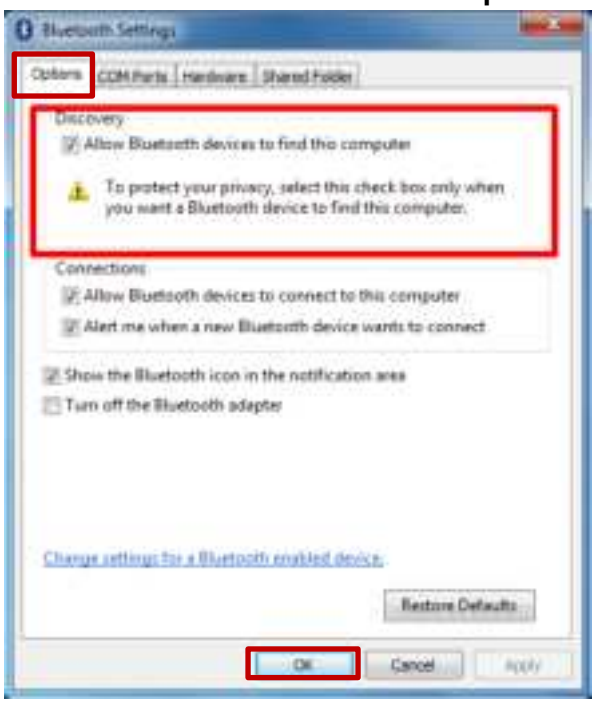
2. Bring up the Contextual Menu by performing a long press on the icon with touchscreen or right-click on the icon with a mouse and select **Open Settings**.



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



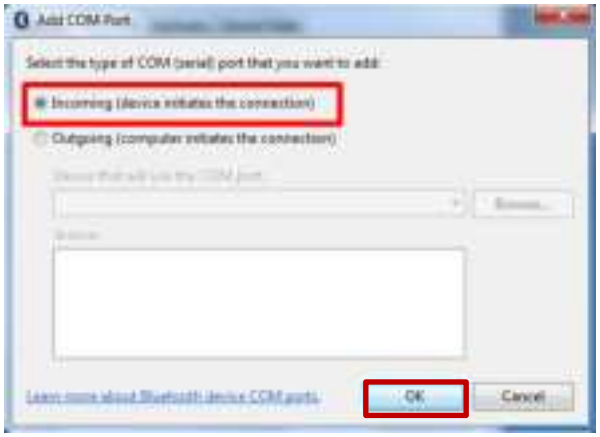
4. Go to **Options** tab, and make sure that in the Discovery section, the computer is set to **Allow Bluetooth devices to find this computer** as shown below:



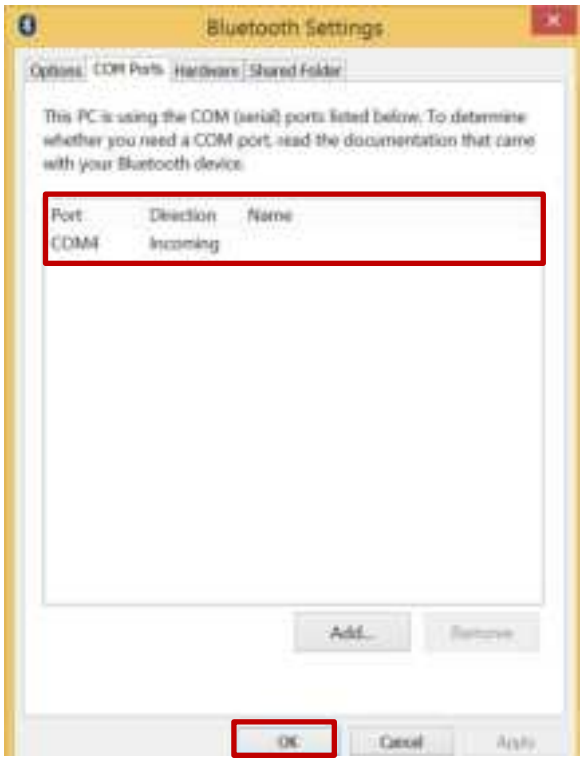
Click **OK** to continue.

5. In the **Bluetooth Settings** menu, go to **COM Ports** tab. COM port has to be setup 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, **COM4** is allocated.



Click **OK** to continue.

8. Next, the user has to configure the application to accept the scanned data from the wireless Bluetooth Barcode Scanner. 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 to start the pairing process.

5.6.2 Set up the Barcode Scanner for Bluetooth Pairing

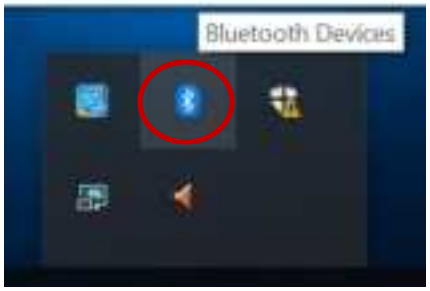
Important:
The wireless Bluetooth Barcode Scanner has to be configured as a Bluetooth Serial Port Profile Master device to establish connection via Bluetooth MAC address barcode label. Please refer to the User Guide for the wireless Bluetooth Barcode Scanner you are using for paring for a more detailed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

Now the Barcode Scanner is ready for the pairing process to start.

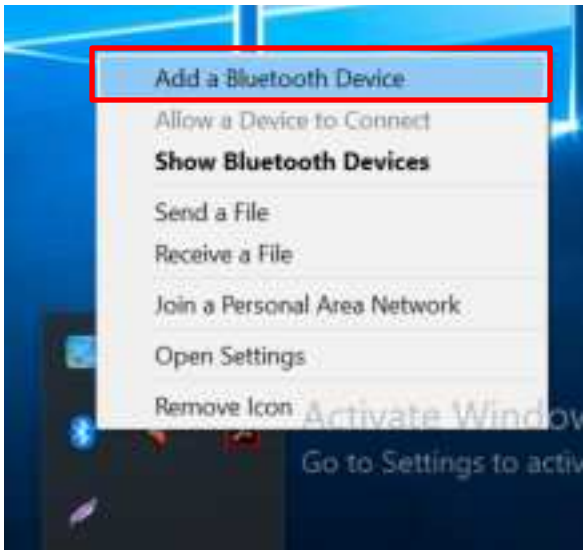
5.6.3 Perform Bluetooth Pairing

After you finish setting up both the Computer and Barcode Scanner, you are ready to start pairing.

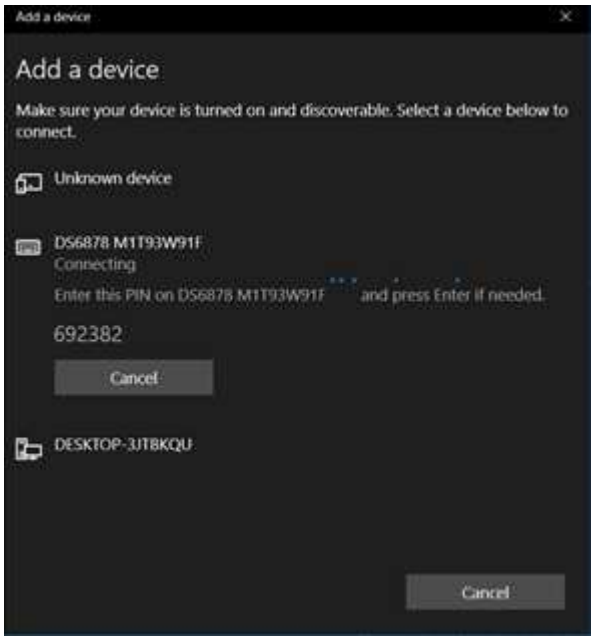
1. Open a program that is used for paring.
2. Perform scanning procedures. A Bluetooth notification window pop-up on the right-hand side of the desktop. Left-click on the mouse to enter Add a device menu.
3. Locate the **Bluetooth** icon in the Notification Area.



4. Click **Add Bluetooth Device**.

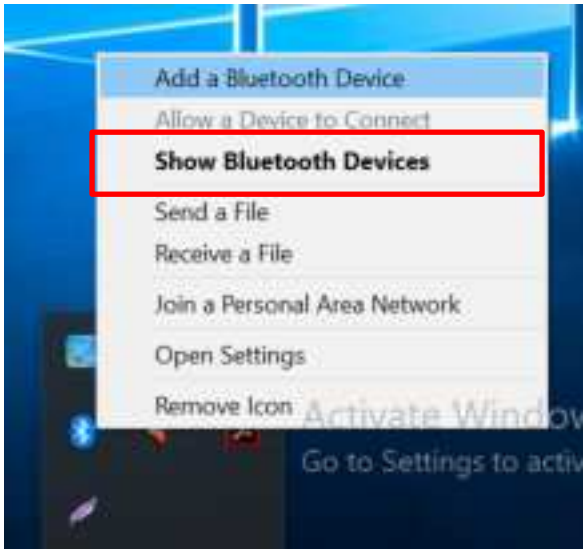


5. In **Add a Bluetooth Device** window, click **Next** to connect the Barcode Scanner to the Computer.



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

1. 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

2. Make sure your device is connected to the computer.

Chapter 6: Troubleshooting

6.1 Basic Troubleshooting

Problem	Solution
The removable battery is not charging.	• Make sure the AC adapter is properly connected and that the removable battery is properly inserted.
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 the LED indicator is not powered off in Hottab. • Make sure the AC adapter is properly connected. • If running on battery power, the battery may be depleted, 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 computer 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 device with Bluetooth.	• Ensure that both devices have Bluetooth powered on (Check Hottab to see if Bluetooth is powered on). • Ensure that the distance between the two devices is within 10 meters and that there are no walls or large obstructions between the devices. • Make sure both devices are powered on and configured to be discoverable. • Make sure that both devices are compatible.
The GPS application cannot find my location.	• Make sure that GPS is powered on in Hottab. • Make sure the GPS receiver and the location sensor are enabled in Control Panel. • The tablet computer may be out of coverage area. Move your tablet computer outdoors or closer to a window. • Check if your surroundings have interferences, such as microwave ovens, cordless phones. Move the tablet computer away from objects causing interference.

Problem	Solution
No sound is produced.	• Adjust the volume of the tablet computer by pressing on the volume rocker. • If using an external audio device, make sure that the cable is properly connected.
I cannot project the tablet computer display to another monitor through docking.	• Make sure the VGA driver is installed. • Make sure the output setting selected is correct.
The barcode scanner does not emit laser beam and does not seem to work.	• Make sure the Barcode scanner device is enabled in Hottab utility.
Barcode Scanner emits laser beam but does not read barcode presented to it.	• Adjust the distance between the barcode scanner of the device and the barcode being scanned. • Make sure the barcode code type is enabled in the tablet. To enable/disable a specific barcode code type, go through the "Barcode Scanner Configuration" section.
I am having a GPS accuracy issue	• When utilizing the GPS function, we recommend disabling the Barcode Reader in Hottab to reduce interference.
Battery leaking or swollen	• The lithium battery used in this tablet may swell after being charged/ discharged many times, but there is no problem regarding safety. • Continued use in such a state may result in the battery getting jammed, so please stop using the battery, and purchase a new one.

Appendix

Appendix A: Product Specifications

Model Name	S101TG	
Display	Size	10.1 inches
	Resolution	1920x1200
	Brightness	800 nits
	Contrast Ratio	800:1 (typ)
	Viewing Angle	85/85/85/85
	Touch	Projected Capacitive Multi-Touch
	Bonding	Optical Bonding for Sunlight Viewability
	Viewability	Anti-Glare touch treatment
System Specification	Processor	Intel Core i3-1115G4 3.0 GHz (turbo boost up to 3.9 GHz) Intel Core i5-1135G7 @ 2.4GHz (turbo boost up to 4.2GHz, optional)
	System Memory	4GB DDR4 SDRAM (up to 16GB)
	Storage	128GB SSD (optional up to 2TB) Additional storage available with micro SDXC card slot
	Operating System	Windows 10 IoT Enterprise (64 bit)
	WLAN	802.11 a/b/g/n/ac/ax
	Bluetooth	Support
	GNSS	GPS, GLONASS
	WWAN	4G LTE (Optional)
Camera	Front Camera	2MP Front Camera
	Rear Camera	8MP Rear Camera with auto-focus and LED light
Mechanical	Dimensions	266 x 187 x 20.4 mm
	Weight	1.1 Kg
	Cooling System	Fan design
I/O Ports	USB Port	1 x USB 3.0 (Type A), 1 x USB 3.0 (Type C)
	Video	1 x Micro HDMI(Optional)
	Audio	1 x Audio combo 3.5mm audio combo jack (Mic in or Line out) Dual Mic Built-in Microphone Single Speaker
	SD Card Slot	1 x Micro SDXC slot
	SIM Card Slot	1 x SIM card slot
	Indicator	2x LED Indicator for Power and Battery
	Docking Connector	1 x 19-pin docking connector
	LAN	1 x RJ45-10/100/1000 GigaLAN port
	Expansion Port	1 x Expansion Connector for USD 3.0 / UART (Optional)

Model Name	S101TG	
Environment	Operating Humidity	10% to 90% RH, non-condensing
	Operating Temperature	-20°C to 60°C (AC mode), -10°C to 50°C (Battery mode)
	Storage Temperature	-30°C to 70°C (-22°F to 158°F)
	Shock	MIL-STD-810H Method 516.8 Procedure I
	Vibration	MIL-STD-810H Method 514.8 Procedure I
	Drop	MIL-STD-810H Method 516.8, 4 ft.
	IP Rating	IP65 certified, dustproof and waterproof
Security Function	SOTI MobiControl	SOTI MobiControl Compliance
	Trusted Platform Module (TPM) 2.0	Support
	Kensington Lock	Support
Control	Button	1 x Power 2 x Programmable function Keys
Power	Battery	11.4V, typ. 3500 mAh Li-Polymer Battery (3S1P) Hot-Swap (Optional)
	Battery Operating Time	Standard Battery: 8 hours
	Power Rating	19V DC
	Adapter	100-240V, 50-60 Hz / 19V DC
Barcode Scanner	Barcode Scanner	1D/2D barcode scanner (Optional)
Accessory	Standard	Adapter and Power Cord Standard Battery
	Optional	Vehicle Charger Battery Charger Hand Strap Shoulder Strap Carry Bag Sylus
Certification	Certification	CE, FCC

Notes

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