

M101Q8-ME Series

10.1" Healthcare Rugged Android Tablet

Qualcomm® Snapdragon™ 660 (Octa-Core 2.2 GHz)

Android 9.0



User Guide

Version 2.0

Document Part No. 9152101K100Z

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Preface

Advisory Conventions

This tablet is intended to serve as a display-integrated computing platform for integration with hospital system. This device is designed for general purpose for hospital environment. For data collection and display for reference. It shall not be used for life-supporting system.

This This Tablet is a Hand held equipment for health care professionals and can be mount in Cradle to fixed, cradle need with VESA mount for fix equipment.



This tablet can only use at landscape mode.
Do not use at portrait mode.

Cette tablette ne peut être utilisée qu'en mode paysage.
Ne pas utiliser en mode portrait.

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/ ATTENTION

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

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



WARNING!/AVERTISSEMENT!

WARNING: To avoid risk of electric shock, this equipment must only be connected to a supply mains with protective earth.

AVERTISSEMENT: pour éviter tout risque d'électrocution, cet équipement ne doit être connecté qu'à un réseau d'alimentation avec terre de protection.

Safety Information

Follow and adhere to all warnings and instructions in this manual. For your safety, please read all safety and operating instructions before using the product. Keep this manual for future reference.



Precaution on Battery Pack **Précaution avec le bloc-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

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 Disassemble, Modify, or Insert Sharp Objects Into the Battery Pack. Electrolyte leakage, generation of heat, ignition or rupture may result.

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.

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 battery may occur.

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.

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.

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 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.

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.

Ne pas utiliser ce produit avec une batterie autre que celle spécifiée

Discontinue using 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.

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.



WARNING: To avoid risk of electric shock, this equipment must only be connected to a supply mains with protective earth.

AVERTISSEMENT: pour éviter tout risque d'électrocution, cet équipement ne doit être connecté qu'à un réseau d'alimentation avec terre de protection.

WARNING: Do not modify this equipment without authorization of the manufacturer.

AVERTISSEMENT: ne modifiez pas cet équipement sans l'autorisation du fabricant.

Circuit diagrams, descriptions and component parts list will be made available only upon request when servicing is required. Please, contact the address below for related information.

WINMATE INC, 9TH FL 111-6 SHING-DE RD SAN-CHUNG TAIPEI HSIEN, 241 TAIWAN.

Les schémas de circuit, les descriptions et la liste des composants seront disponibles uniquement sur demande lors de la maintenance. S'il vous plaît, contactez l'adresse ci-dessous pour des informations connexes.

WINMATE INC., 9E FL 111-6 SHING-DE RD SAN-CHUNG TAIPEI HSIEN, 241 TAIWAN.

Use a soft cloth to clean the surface.
Utilisez un chiffon doux pour nettoyer la surface.

Please follow the local national requirement to dispose unit/accessories/waste products/residues etc.

Veillez suivre l'exigence nationale d'élimination de l'unité / accessoires / déchets / résidus, etc.

When you disconnect the AC adapter, disconnect from the socket-outlet First.

Lorsque vous déconnectez l'adaptateur secteur, déconnectez-le de la prise de courant.

The equipment should be installed near an easily accessible outlet.

For pluggable equipment, the power outlet must be installed near the equipment and must be easily accessible.

Accessory equipment connected to the analog and digital interfaces must be in compliance with the respective nationally harmonized IEC standards (i.e. IEC 60601-1 for medical equipment.)

Furthermore all configurations shall comply with the system standard in IEC 60601-

1. Anyone who connects additional equipment to the signal input part or signal output part is configuring a medical system, and is therefore, responsible that the system complies with the requirements of the system standard IEC 60601-1. The unit is for exclusive interconnection with IEC 60601-1 certified equipment in the patient environment and IEC 60950-1 certified equipment outside of the patient environment.

L'équipement doit être installé à proximité d'un point de vente facilement accessible.

Pour les équipements enfichables, la prise de courant doit être installée à proximité de l'équipement et doit être facilement accessible.

Les accessoires connectés aux interfaces analogiques et numériques doivent être conformes aux normes CEI harmonisées respectives au niveau national (c.-à-d. CEI 60601-1 pour les équipements médicaux). De plus, toutes les configurations doivent être conformes à la norme système CEI 60601-1.

Quiconque connecte un équipement supplémentaire à la partie entrée de signal ou à la partie sortie de signal configure un système médical et est donc responsable de la conformité du système aux exigences de la norme système IEC 60601-1. L'unité est destinée à l'interconnexion exclusive avec l'équipement certifié CEI 60601-1 dans l'environnement du patient et à l'équipement certifié CEI 60950-1 en dehors de l'environnement du patient.



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 doit 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.*

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 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.



Touchscreen Guideline *Guide de l'écran tactile*

Use your finger or the stylus on the display. Using sharp or metallic object 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 the 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 the 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.

Declaration of Conformity (DoC)

FCC Statement



This device complies with part 15 FCC rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference.
2. 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 his own expense.

CE Notice (European Union)



Healthcare electrical equipment Part 1-2: General requirements for basic safety and essential performance - Collateral Standard: Electromagnetic disturbances

- EN 60601-1-2:2015
- EN 5511:2019+A1:2010
- EN 61000-4-2: 2009
- EN 61000-3-2:2014
- EN 61000-4-3: 2006+A1: 2008+A2: 2010
- EN 61000-3-3:2013
- EN 61000-4-4: 2012
- EN 61000-4-5: 2006
- EN 61000-4-6: 2014+AC:2015
- EN 61000-4-8: 2012
- EN 61000-4-11: 2004

Healthcare electrical equipment Part 1: General requirements for basic safety and essential performance

- EN 60601-1:2016/A1:2013/A12:2014

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

About This User Guide

This User Guide provides information about using the Winmate 10.1" Rugged Android Tablet Computer M101Q8-ME Series and accessories.

**Note:**

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

Documentation Set

The documentation set for the M101Q8-ME provides information for specific user needs, and includes:

- **M101Q8-ME Series Quick Start Guide** - describes how to get the M101Q8-ME Series Rugged Android Tablet up and running.
- **M101Q8-ME Series User Guide** – contains detailed description on how to use the M101Q8-ME Series Rugged Android Tablet, its components and features.

Chapter Descriptions

[Chapter 1, Getting Started](#) provides basic instructions on how to use M101Q8-ME, including main SIM card, SD card and battery installation, powering on and resetting M101Q8-ME.

[Chapter 2, Using the Tablet](#) provides basic instructions on using the M101Q8-ME.

[Chapter 3, Using Winmate Home Manager](#) explains how to use WHM to lock the launcher.

[Chapter 4, Connecting to Network and Devices](#) explains how to connect M101Q8-ME to networks, BT devices, and computer.

[Chapter 5, Using Camera](#) provides instructions on how to use camera on M101Q8-ME.

[Chapter 6, Using Barcode Reader](#) provides information on how to use Barcode Reader that might be present in M101Q8-ME.

Chapter 1: Getting Started

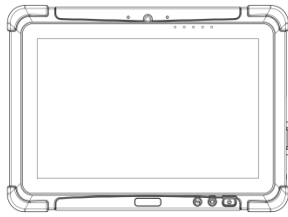
This chapter tells you information about Winmate® M101Q8-ME Series Rugged Tablet, its highlighted features, and provides basic instructions for using the device, including powering on and resetting the device.

1.1 Unpacking

Check and identify the standard supplied accessories.

Standard factory shipment list:

- **Tablet Computer**

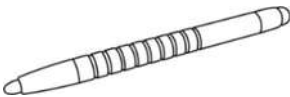


- **Power Adapter**



Manufacturer : EDAC POWER
ELECTRONICS CO., LTD.
Model name : EM10683V & EM10681V

- **Capacitive Touch Stylus**



- **Standard Battery**



Manufacturer : Winmate Inc.
Model name : BS101

- **Power Cord and Plugs**



Manufacturer : PHINO ELECTRIC
(HUIZHOU)LTD.
Model name : PHP-350 TO PHS-301

- **Quick Start Guide**



Optional Accessories

Your package may include optional accessories based on your order. **You can purchase optional accessories for M101Q8-ME from Winmate:**

Carry Bag

- With hand carrier and shoulder strap
- Separated pocket for accessories

VESA Mount Kit

- Widely used mounting solution

Cradle

- VESA Mounting support
- 2 x USB 2.0 (2 x Bottom)
- 1 x LAN (10/100)
- 1 x RS232
- 1 x GPS ANT SMA
- 19V DC IN with 3-pin terminal block
- Easy insert and release with Key-Lock

Hand Strap

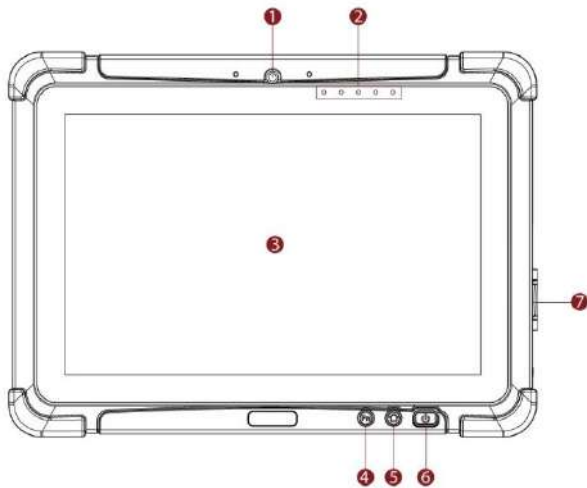
- Ergonomic hand-strap can help you handle the Rugged Tablet much more easily and comfortably.

Shoulder Strap

- Fixed with screws
- Adjustable cross-body strap (85-165cm) with pad

1.2 Description of Parts

Front:

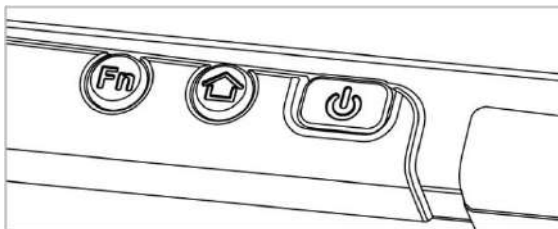


No	Item	Description
1	Front Camera	8 Megapixel Webcam.
2	LED Indicators:	Show the current status of the Tablet Computer. For battery status: Orange: Charging. Green: Full Charge. Blue: Discharge.
3	10.1" Touch Screen	Display and act as one of the inputs for the Tablet Computer.
4	Fn Button	Programmable function button. Default: Back to previous page.
5	Home Button	Back to Desktop.
6	Power Button	Power on/off.
7	I/O Cover	Protects I/O ports.

Front LED Indicators Details:



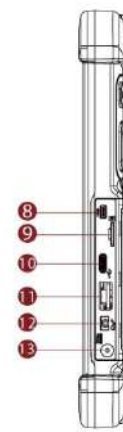
Front Button Details:



Left:

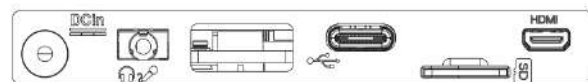


Right:

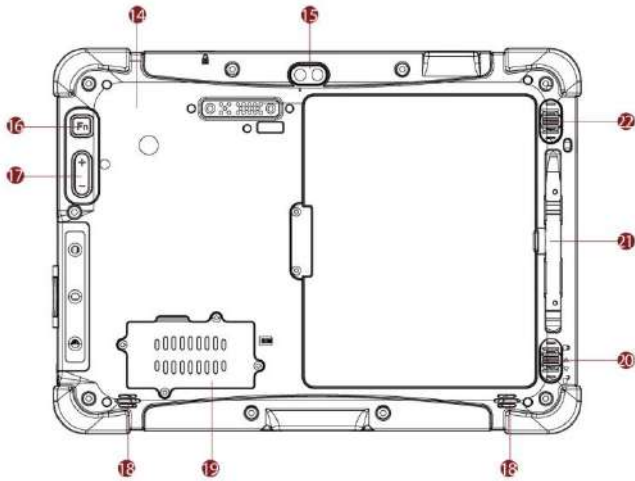


No	Item	Description
8	Micro HDMI (Optional)	Use to transmit audio and video from the Tablet Computer to an external monitor or projector.
9	Micro SD Card Reader	Memory card reader port for Micro SD Card.
10	USB 3.0 Type-C (with 5V/0.5A)	High speed USB port connects to PC or USB devices such as mouse, keyboard, etc. Note: The USB Type-C connector follows USB 3.0 standard and support Dual Role port (DRP), which does not support Alternate Mode (ALT) or USB Power Delivery (USB-PD).
11	USB 2.0 Type-A (with 5V/0.5A)	High speed USB port connects to PC or USB devices such as mouse, keyboard, etc. Note: This USB port won't work when the tablet is connected to the optional docking. Please use the USB ports on the docking.
12	Mic In/Line Out	Headset or headphone can be connected.
13	Power Jack	DC-IN power input jack.

Side I/O Details:



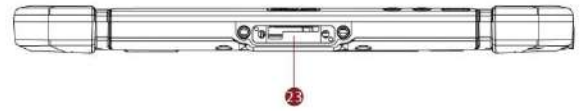
Rear:



Top:



Bottom:



No	Item	Description
14	RFID Reader	RFID reader for reading of RFID tags.
15	Rear Camera	13 MP Autofocus Camera. Captures photos and videos.
16	Fn Button	Programmable function button. Default: Menu.
17	Volume Control or Scan Buttons	Volume Control (+) Raise volume, (-) Lower volume. Scan Button Use WDC to change button definition (+)/(-) for scanning
18	Two Speakers	Emit sounds.
19	Service Window	Service window to insert Micro SIM card. Also provide access to WWAN Module (If equipped).
20	Battery Release Slider	Spring-loaded slider that latches the battery in.
21	Touch Pen Slot	Pen holder slot to store touch pen.
22	Battery Lock Latch	Latch to lock the battery in place once battery is inserted. No spring loaded.

No	Item	Description
23	Docking Connector	Port to docking solutions such as vehicle docking to provide power and external antenna.
24	Barcode Reader (Optional)	Barcode Scanner for reading of 1D / 2D barcode.
25	Kensington Lock Port	Provide lock access for Kensington Lock.

1.3 First-Time Operation

To get started:

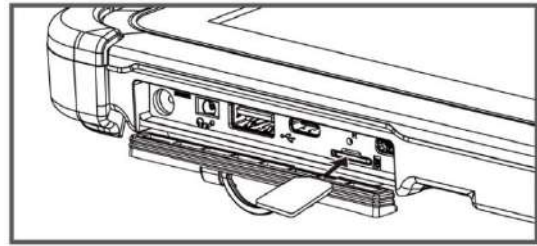
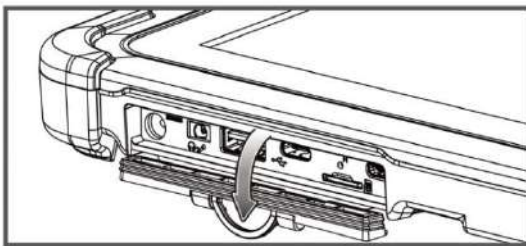
1. Install memory card.
2. Install the battery.
3. Charge your tablet.
4. Start the tablet.
5. Install SIM card (For WWAN equipped devices).

1.3.1 Inserting MicroSD Card

Your tablet supports *Micro SDXS card*.

To install *Micro SDXS card*:

1. Open I/O protective cover by pulling out the latch.
2. Insert microSD card into slot with contacts facing down.
3. Press the card in to ensure that it is seated properly.
4. Close I/O protective cover.



To remove *Micro SDXS card*:

1. Open I/O protective cover by pulling out the latch.
2. Push and release the micro SD card to unlock it.
3. Pull out the micro SD card.

1.3.2 Inserting Battery Pack



Warning! Discontinue using 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.

Avertissement! Arrêtez immédiatement d'utiliser l'appareil si vous remarquez que la batterie gonfle ou semble gonflée ou déformée. N'essayez pas de charger ou d'utiliser l'appareil. Ne manipulez pas une batterie endommagée ou qui fuit. Ne laissez pas le liquide de batterie qui fuit entrer en contact avec vos yeux, votre peau ou vos vêtements.



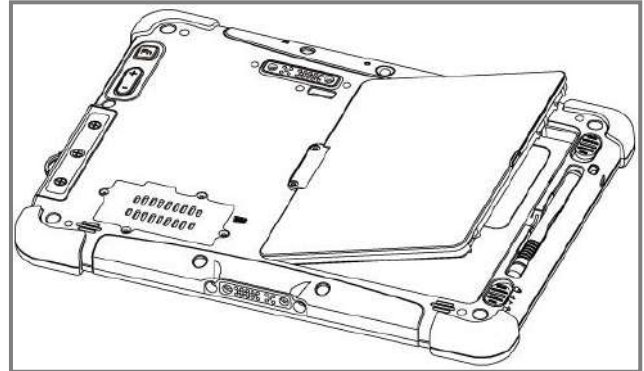
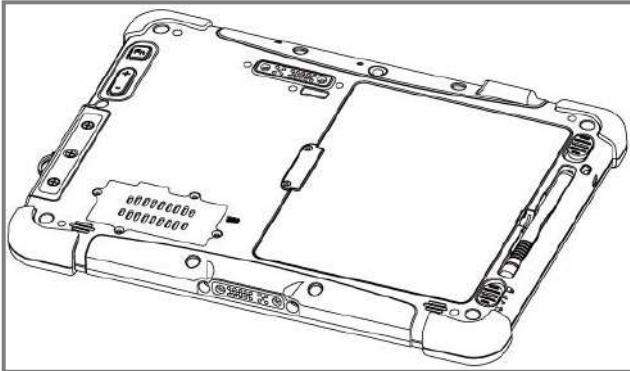
Caution To keep battery health and prevent possible issues from battery over-discharged, please charge the tablet built-in back-up battery once every two months.

Attention Pour préserver la santé de la batterie et éviter d'éventuels problèmes dus à une batterie trop déchargée, veuillez charger la batterie de secours intégrée de la tablette une fois tous les deux mois.

To insert the standard battery pack:

1. Disconnect AC adapter and power cord from 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. Continue to hold the Battery Release Slider before battery is fully inserted.
6. Make sure the battery is completely lowered into the compartment before letting go the Battery Release Slider. Battery will be flat against the housing once fully inserted.



Removing the Battery Pack

1. Power off the tablet computer (or put it to sleep). Disconnect any cords connected to the 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. Lift the battery out using the opening on side of battery compartment.

1.3.3 Connecting to Power Supply

The Tablet Computer operates either on external AC power or internal battery power.

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 et la batterie.

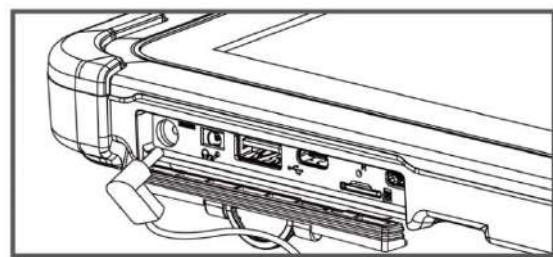
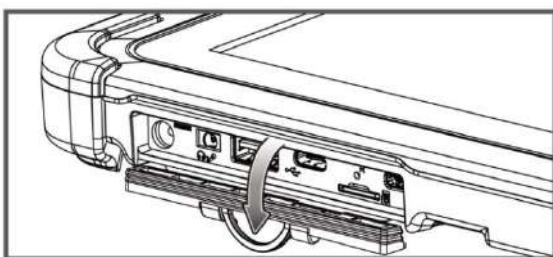


Caution For users start up the Tablet Computer for the first time with internal battery power, please make sure the battery is fully charged before using.

Attention Pour les utilisateurs qui démarrent l'ordinateur tablette pour la première fois avec une alimentation par batterie interne, veuillez vous assurer que la batterie est complètement chargée avant de l'utiliser.

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 would show different states. Please refer to description of LED indicator on Description of Parts.

Standard Battery(BS101)	
Battery Operating Time	8 Hours
Battery Charging Time	2.5 Hours

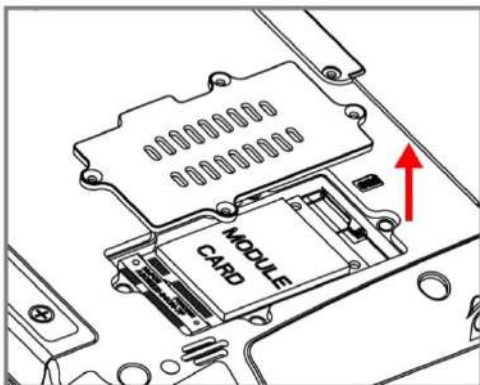
1.3.4 Installing SIM-Card (For WWAN Equipped Devices)

The M101Q8-ME Series Rugged Tablet supports WWAN data connection and fits a Micro-SIM card.

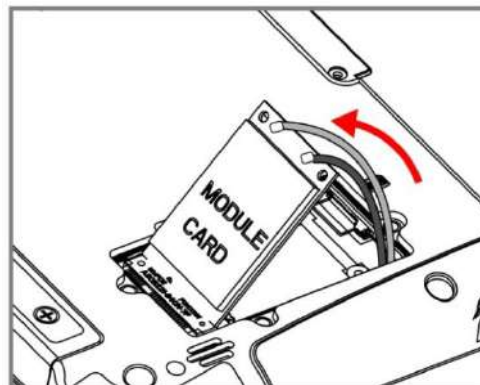
To install the SIM card:

Tools Needed:	Service Windows Screw: M2x5, 4 pc Screwdriver: Philips Type , Size #0 , for M2 screws, torque: 2.0 ± 0.5 kgf.cm	WWAN Module Screw: M2x3.5, 1 pc Screwdriver: Philips Type , Size #0 , for M2 screws, torque: 2.0 ± 0.5 kgf.cm
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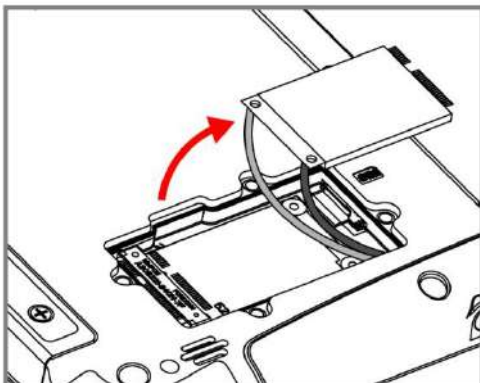
① Remove four screws and remove the service window.



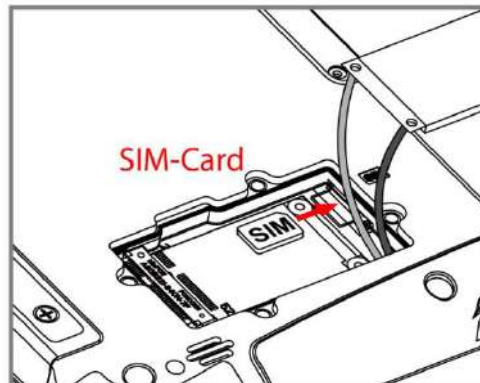
② Remove the one screw that secures the WWAN module. Carefully lift the module up. **Do not to damage the connected cables!**



③ Carefully flip and move the WWAN module and to the right. **Do not disconnect cables!**

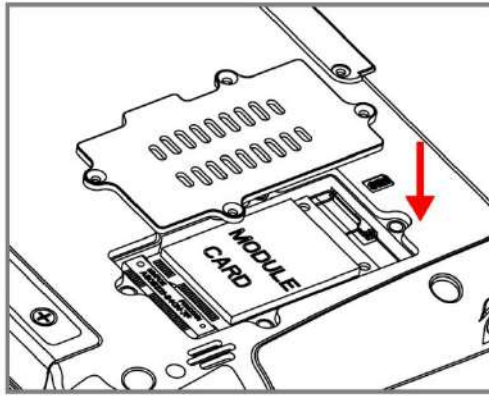
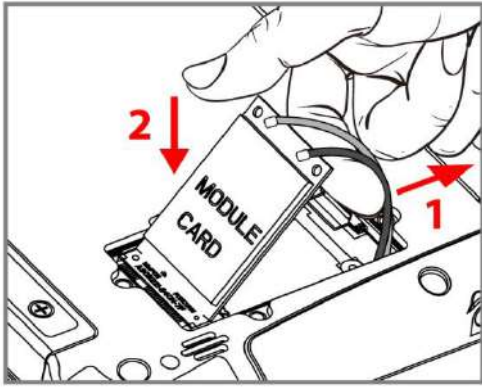


④ Insert SIM-Card all the way in. **Chip/ contact facing down.**



⑤ Use your hand to carefully pull the cable outside the module card. Re-insert the 3G module and fasten one screw. Accurately route the cables. **Do not bend cables! Do not pinch/ squeeze the cable!**

⑥ Re-insert the service window and fasten with the four screws.



Caution When re-inserting WWAN module, please pay attention to cable routing. Make sure the cable module does not get squeezed.

Attention Lors de la réinsertion du module 3G, veuillez au routage des câbles. Assurez-vous que le module ne soit pas comprimé.

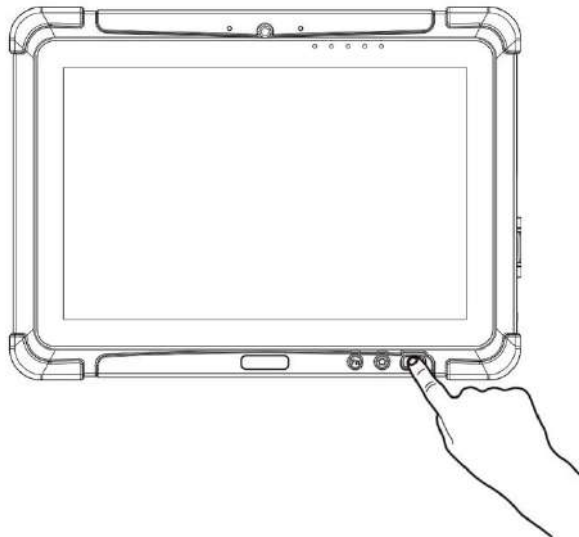
1.4 Turning On and Off the Device

This section describes how to turn on/ off the device.

1.4.1 Turning On

To turn on the tablet computer:

1. Press and hold the power button for **3 seconds**, located on the top side of the unit.




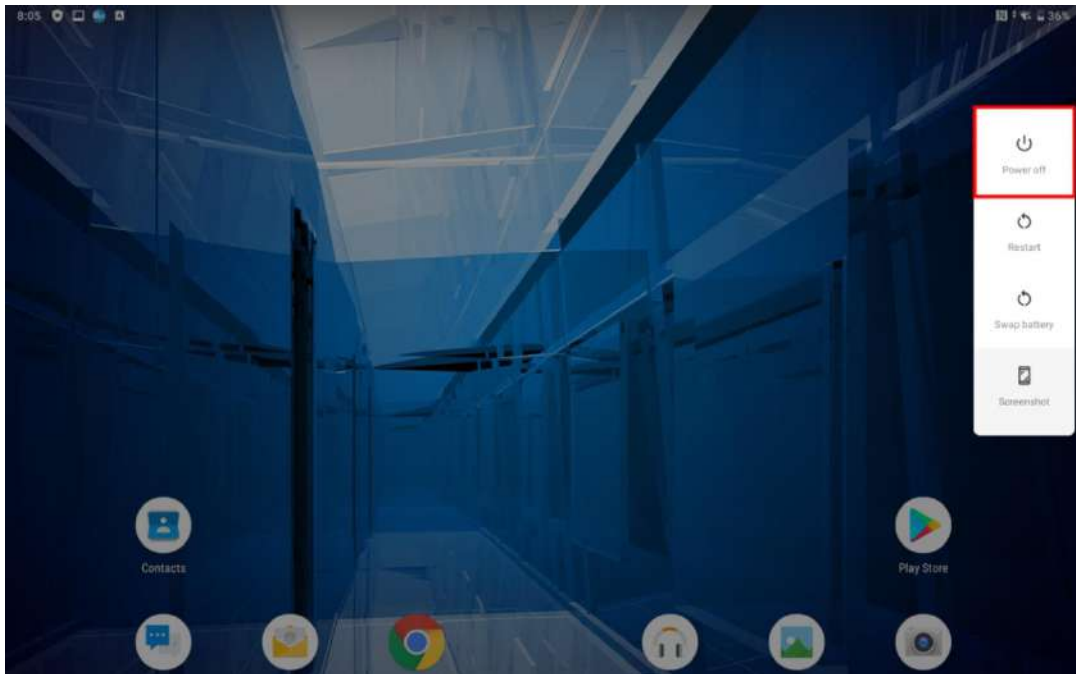
2. When the device vibrates, release the power button. The desktop screen is displayed.



Note: For power saving purpose, please enable Connect to PC in Accessibility settings. When connected to PC external 4G, USB and LAN on Docking will be disabled.

1.4.2 Turning Off

1. To turn off the device, press and hold the power button until the phone options menu appears, tap the **Power Off** .



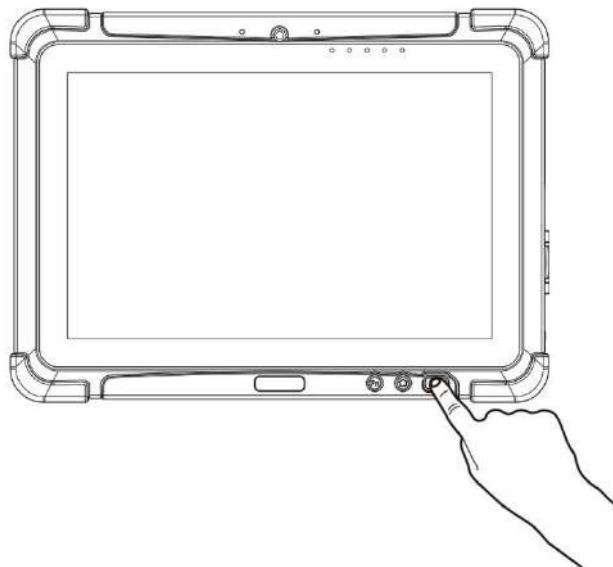
2. User can also use the Phone options menu to put the device into silent or airplane mode, see features table.

1.5 Battery Hot Swap

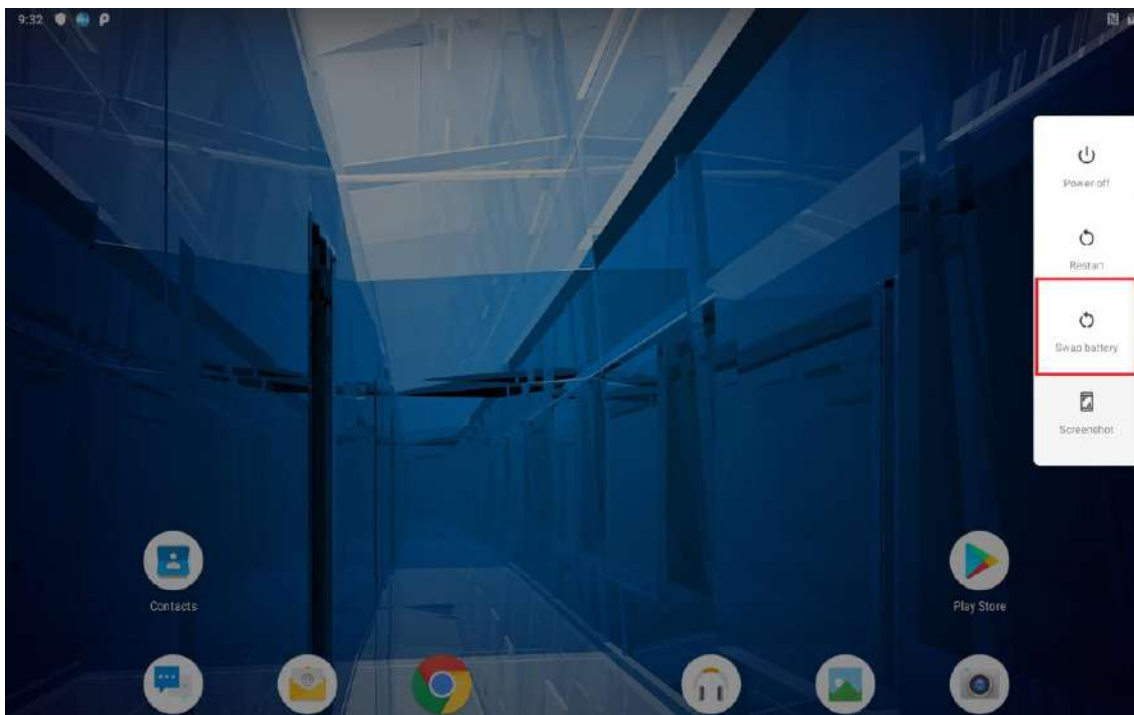
Battery hot swap is an optional feature of the M101Q8-ME Series Rugged Tablet and may not be present in your device. Please check your device's specifications or contact our sales representative for more information.

To perform the battery hot swap:

1. Long-press the *Power Button* to call out the menu.





2. In the opened menu on the main desktop right side click **Swap battery** .

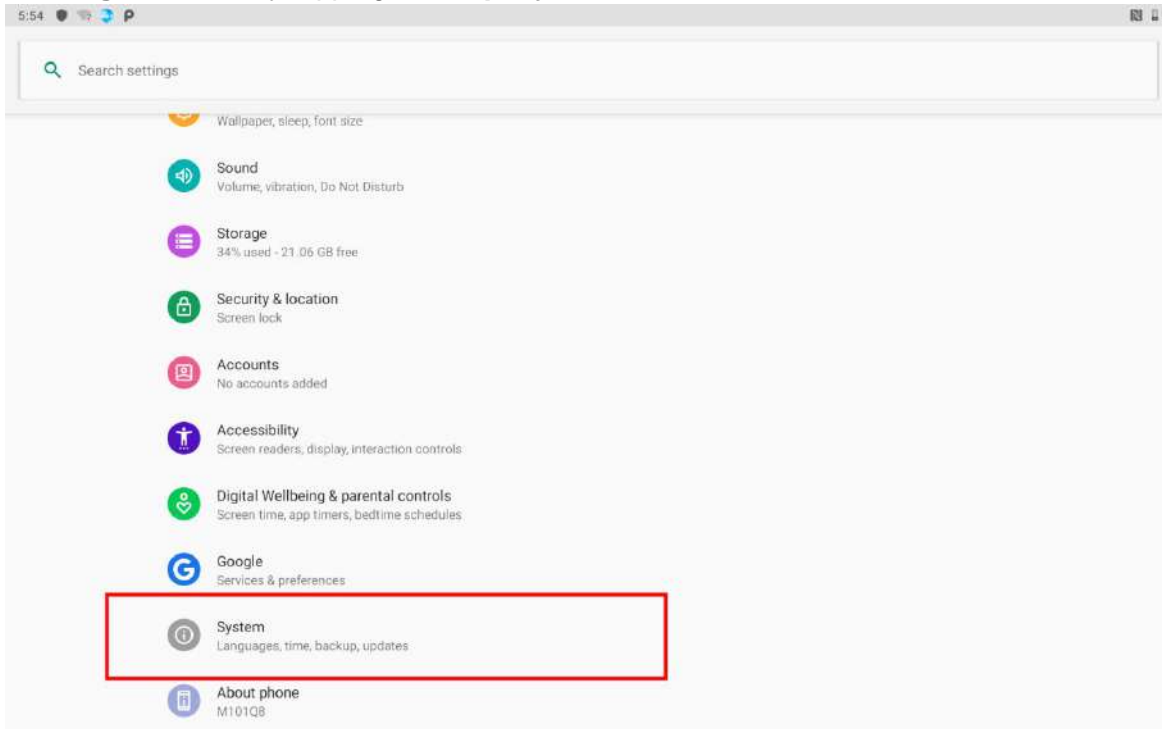


3. When the screen enters suspend and the power LED Orange light flashes, you can change the battery. Follow the procedure described in section [1.3.3 "Inserting Battery Pack"](#) of this User Guide to remove/ install the battery.

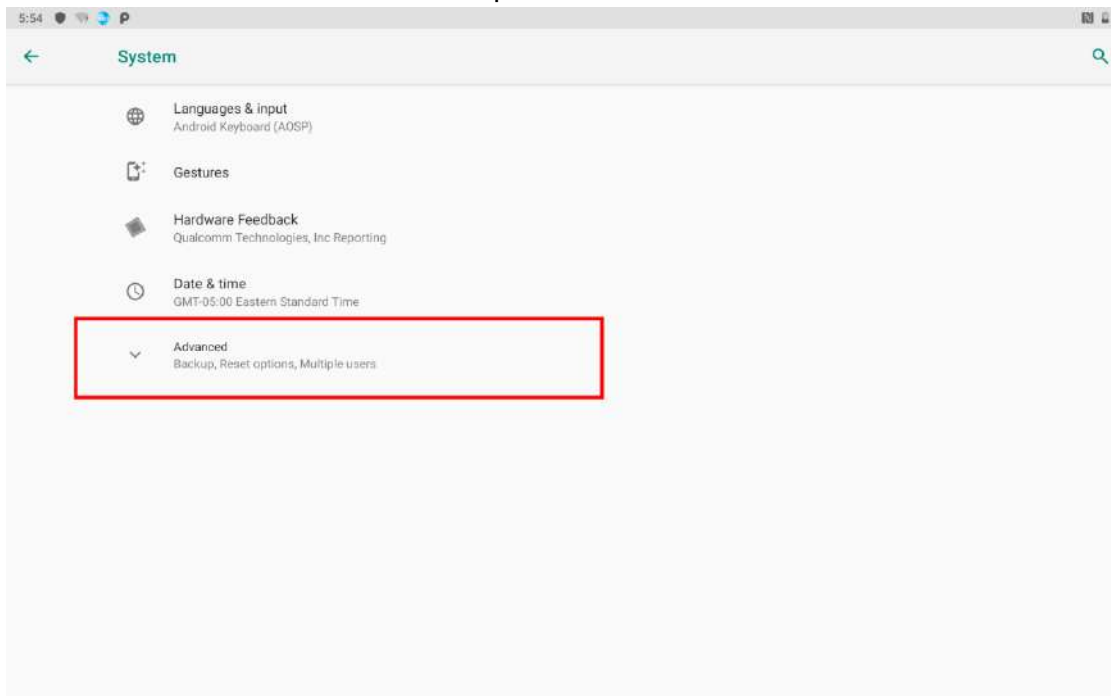
1.6 Resetting to Factory Defaults

To reset the device to factory defaults:

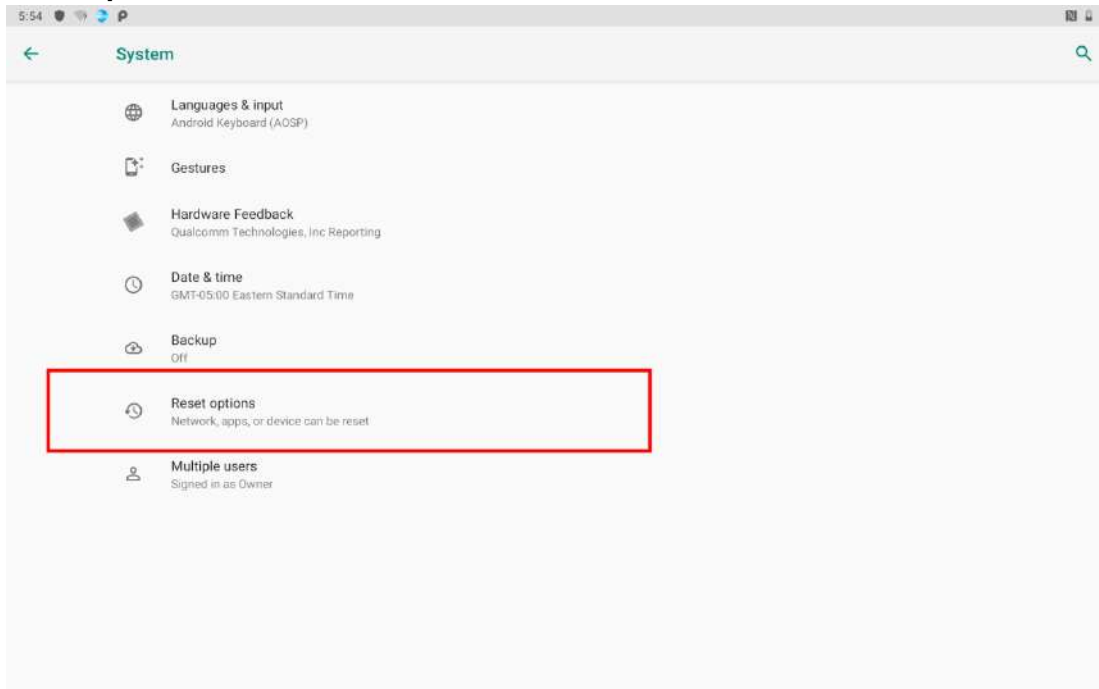
1. Slide from the bottom side, then open **Settings**  app.
2. Tap **System** , user can select to back up application data, Wi-Fi passwords and other settings to **Google** servers by tapping **Backup My Data**.



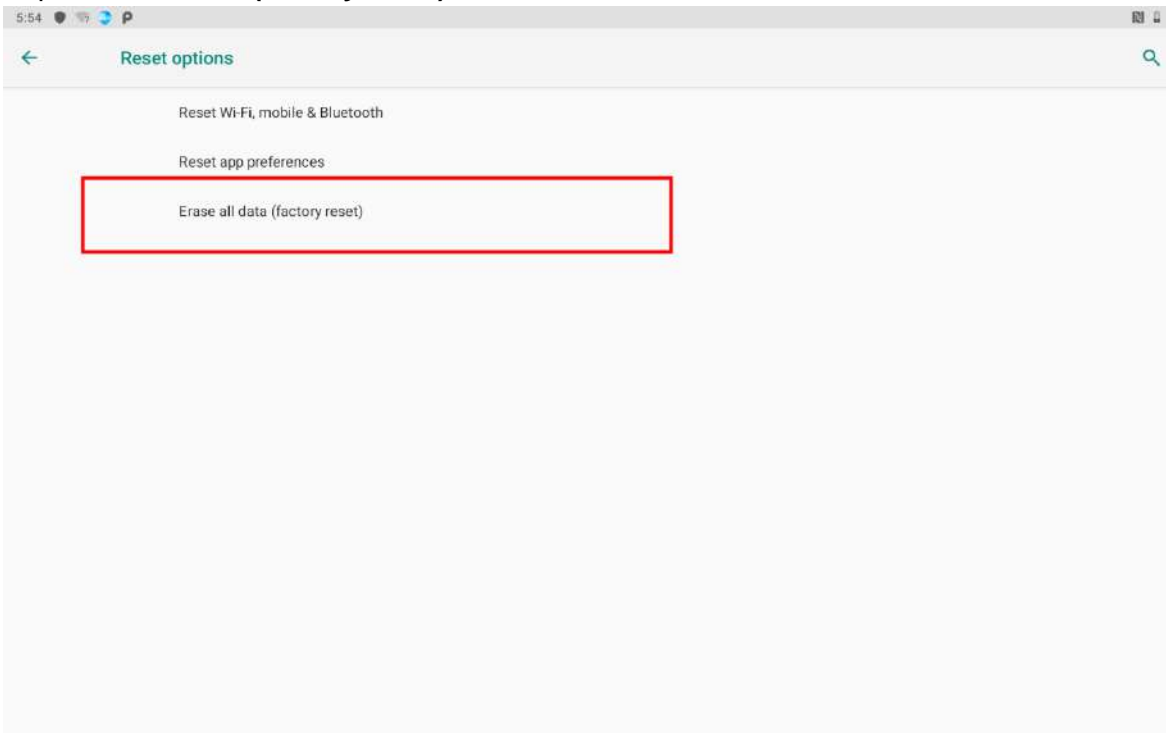
3. Tap **Advanced**.



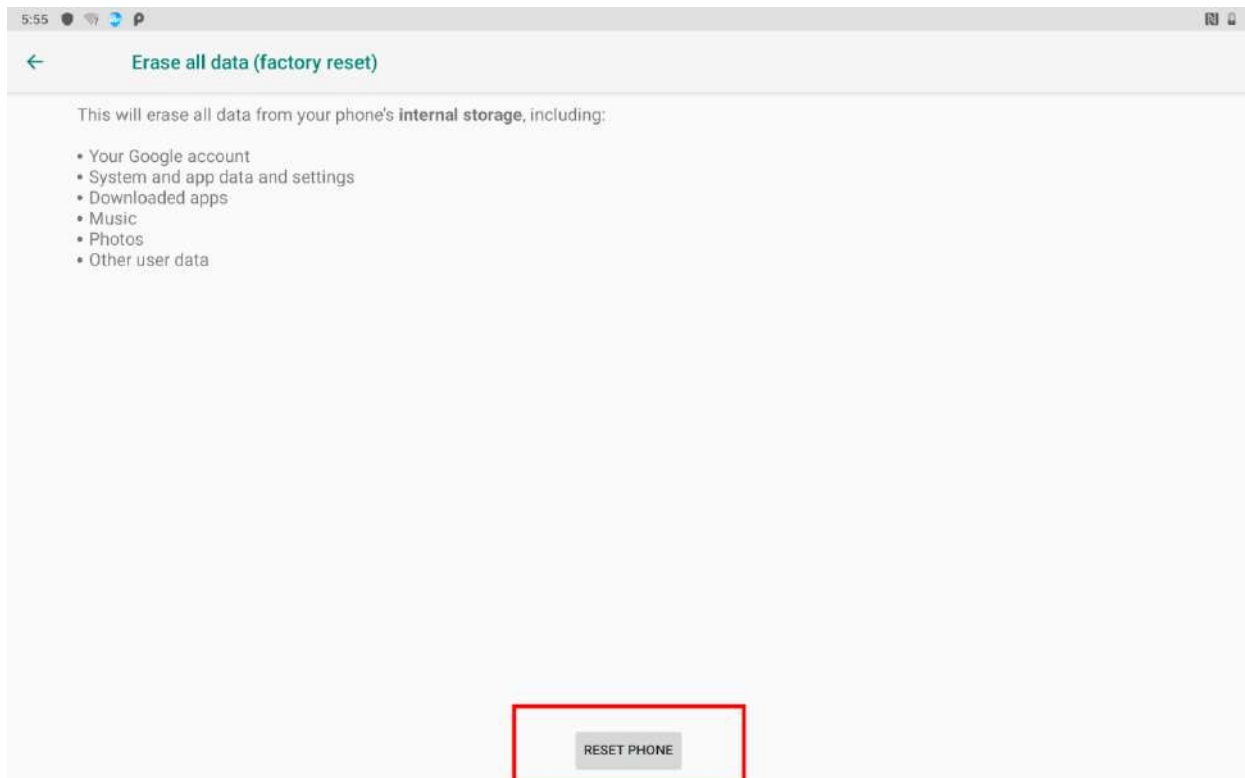
4. Tap **Reset options**.



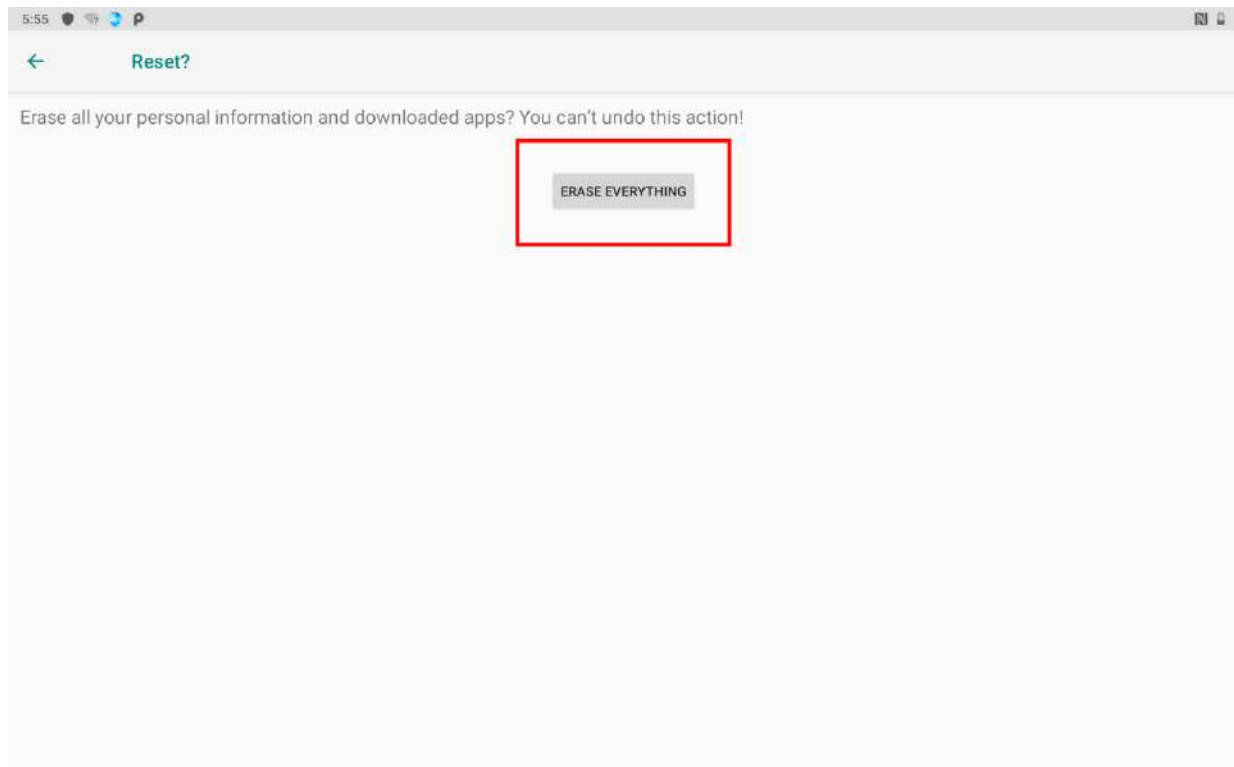
5. Tap **Erase all data(factory reset)** to reset the tablet.



6. Read all the available information and then press **RESET PHONE** to erase all the data in storage such as music or photo.



7. Press **ERASE EVERYTHING** to erase all your personal information and downloaded apps.









Chapter 2: Using the Tablet

This chapter explains how to use the buttons, status icons, and controls of the M101Q8-ME Series Rugged Tablet running on Android 9.0 Operating System and provides instructions on entering and capturing data.


2.1 Using the Touch Screen

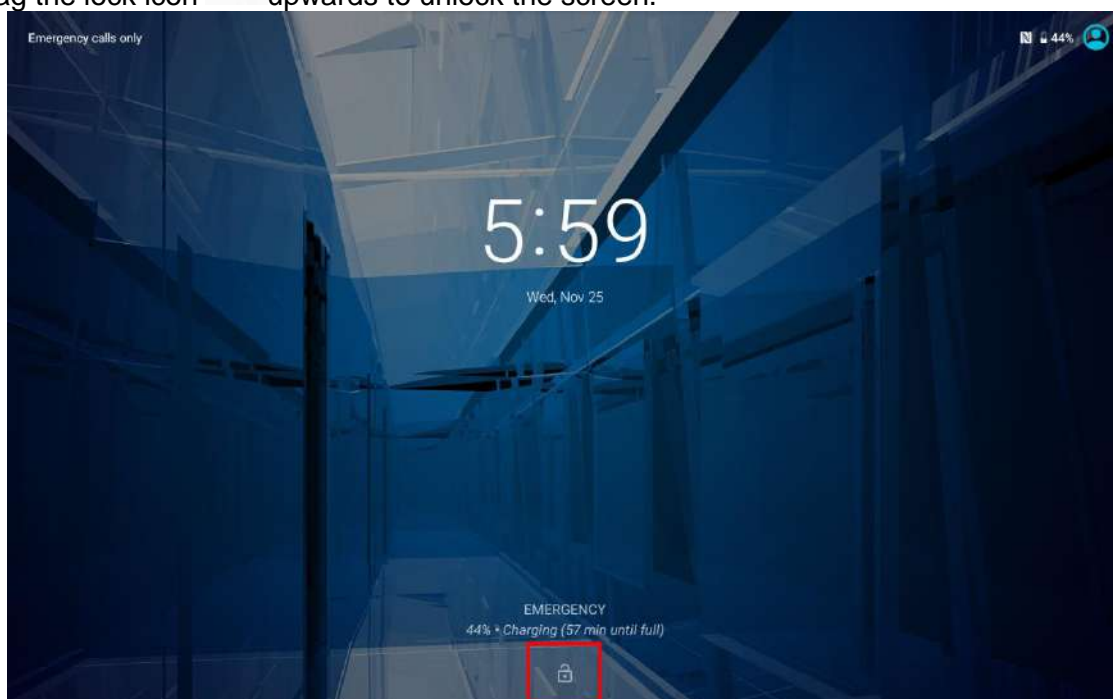
The touchscreen supports the core gestures for Android.

Gesture	Action	Description
Tap		To select or activate something
Tap & Hold		Touch and hold an item on the screen by touching it and not lifting your finger until it respond
Touch, Hold & Drag		Touch and hold an item for a moment and then without lifting your finger, move your finger on the screen until you reach the target position. i.e. moving the apps around the home screen
Swipe or slide		Quickly move the finger across the surface of the screen. i.e. slide a lock screen to open the lock
Double-tap		Tap quickly twice on a webpage, screen, or App to zoom
Scale		Place two finger on the screen and pinching them together

2.2 Waking Up the Tablet

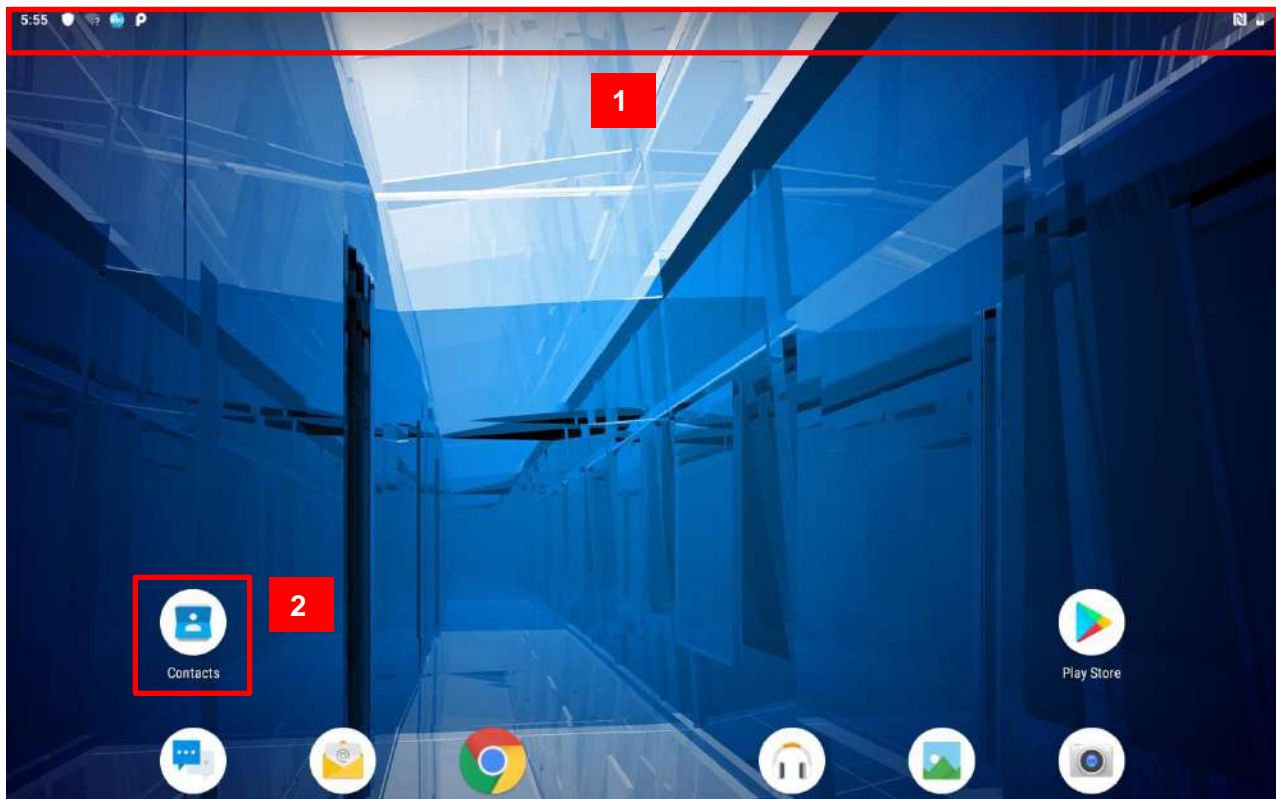
If you do not use the tablet for a while, the screen dims and then darkens to conserve the Battery. To wake up the tablet:

1. Press the Power button on the top side of the tablet.
2. Drag the lock icon  upwards to unlock the screen.



2.3 Using the Home Screen

Home screen is the starting point to access all the features on your tablet Device. It displays application icons, widgets, shortcuts, and other features. User can personalize the home screen. See “*Personalizing home screen*”.



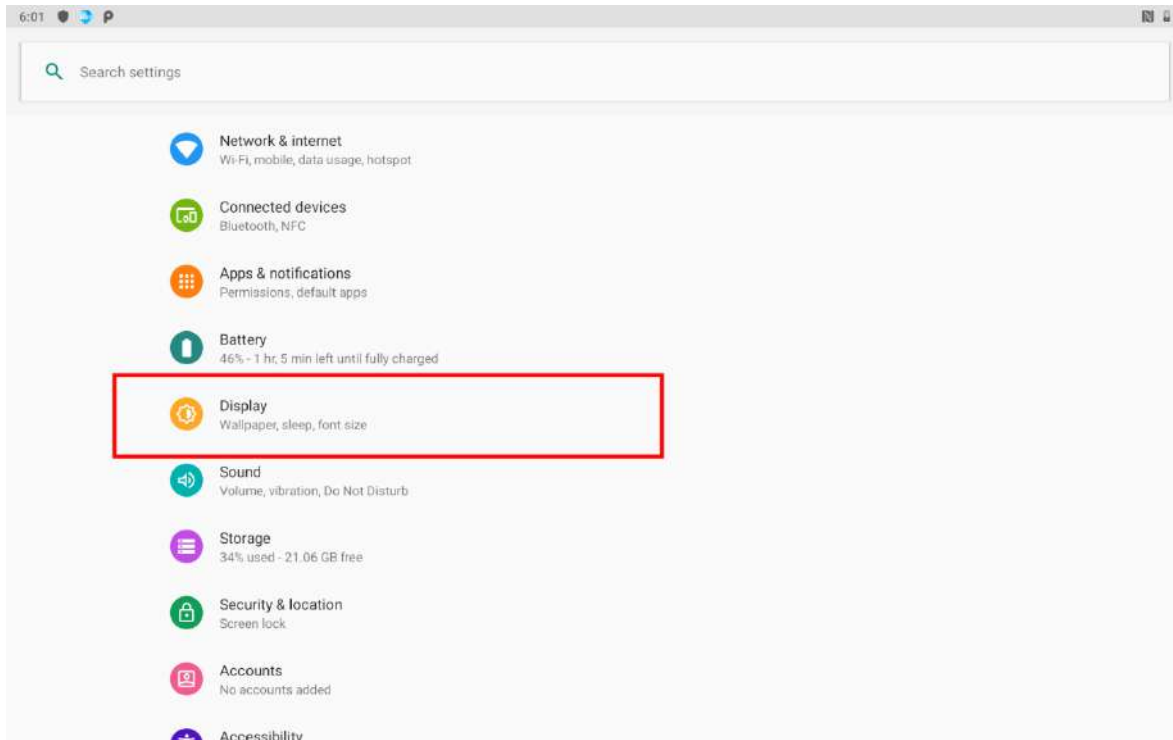
No.	Description
1	Status Bar – Shows the time, signal strength, battery status, and other notifications. It also displays notification icons.
2	Application – Shows applications that user can open directly on the home screen.

2.3.1 Personalizing Home Screen

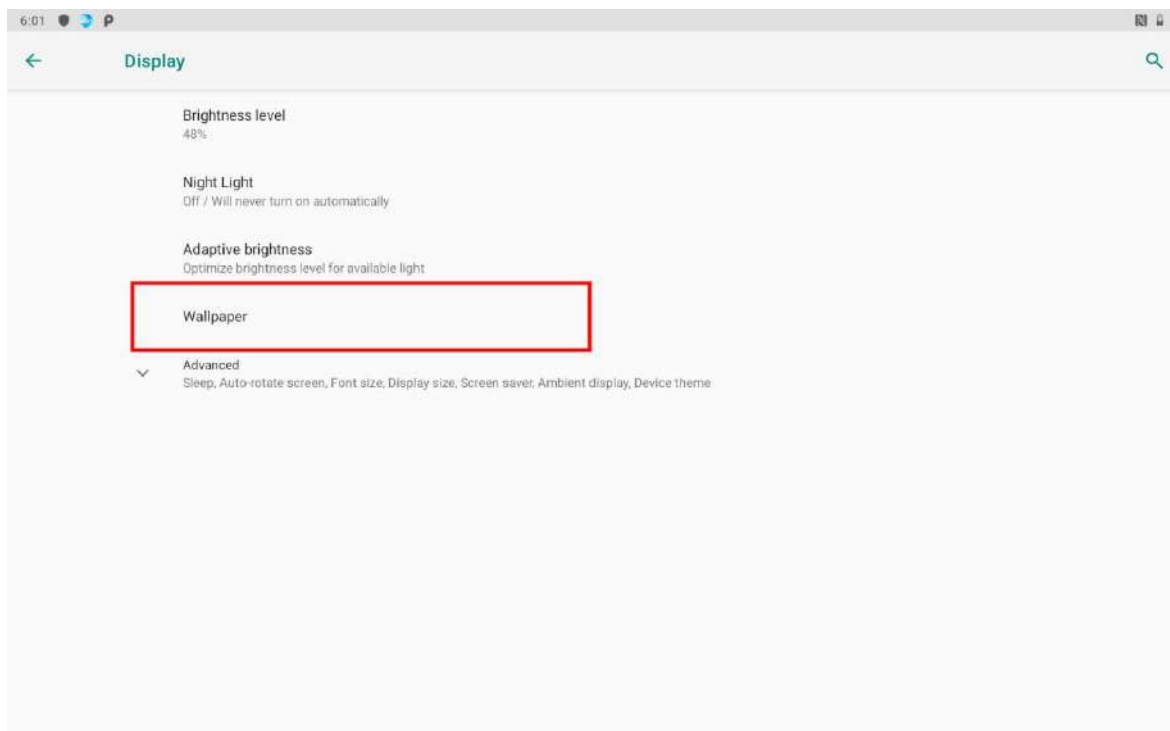
User can add application icons, shortcuts, widgets, and other items to any part of any Home screen where there is free space. User can also switch the wallpaper.

To change wallpaper on the HOME SCREEN:

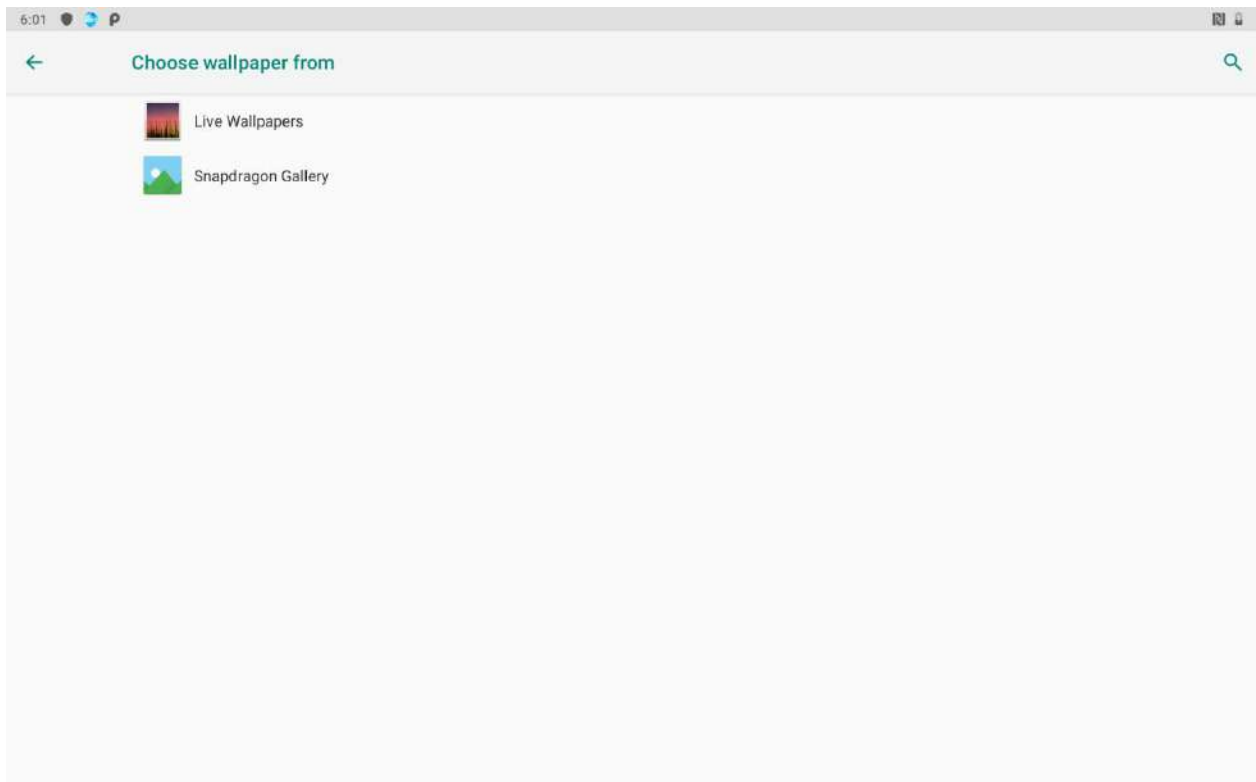
1. Swipe from the bottom of the main desktop, tap **Settings** , and then tap **Display** .



2. Tap **Wallpaper**.

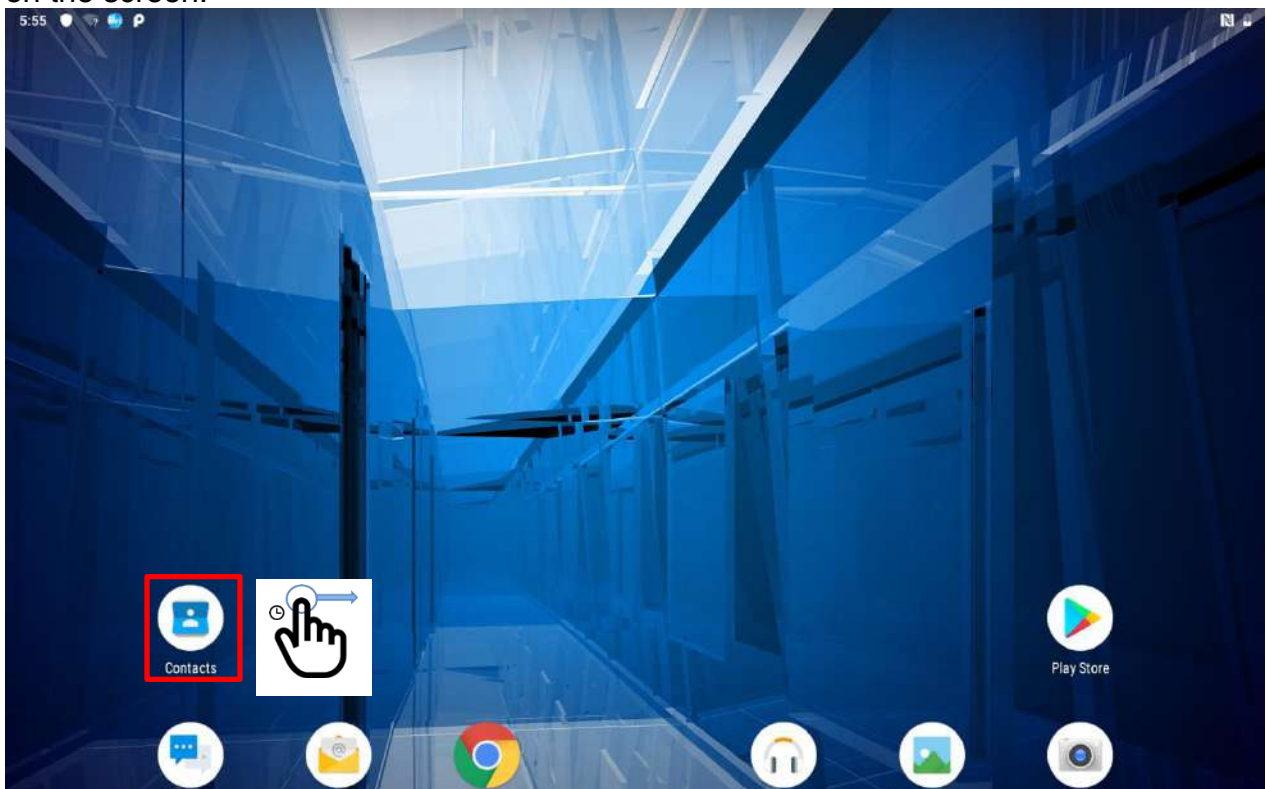


3. In the Wallpaper menu select the location of wallpaper, and then tap the type of item you want to add.

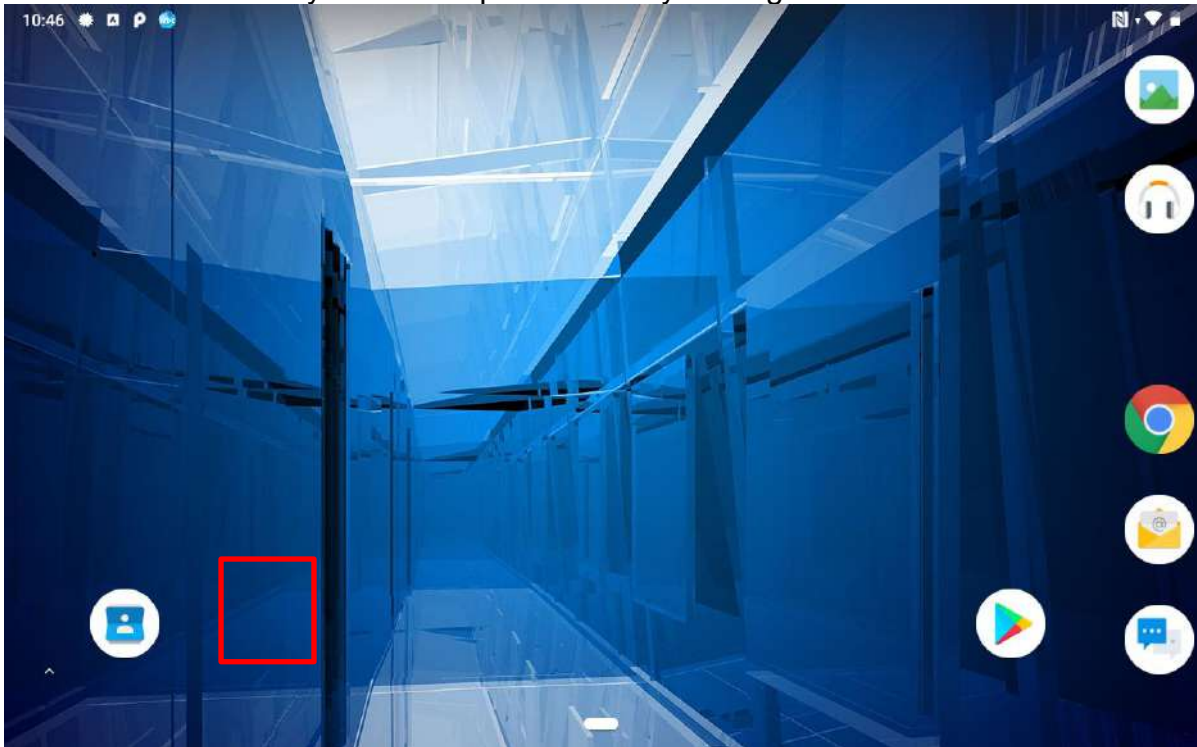


To move an item on the HOME SCREEN:

1. Tap and hold the item you want to move, until it can be moved. Drag it to a new location on the screen.

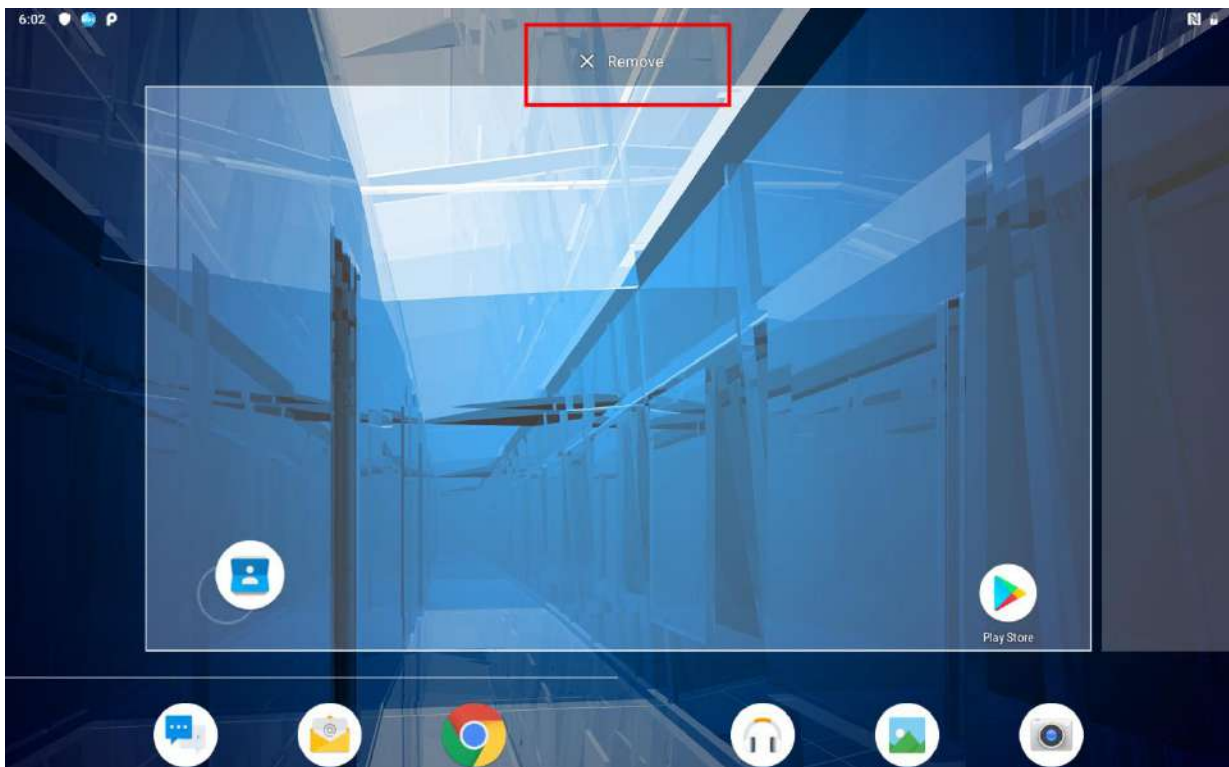


2. Place the item where you want to put it and lift your finger.



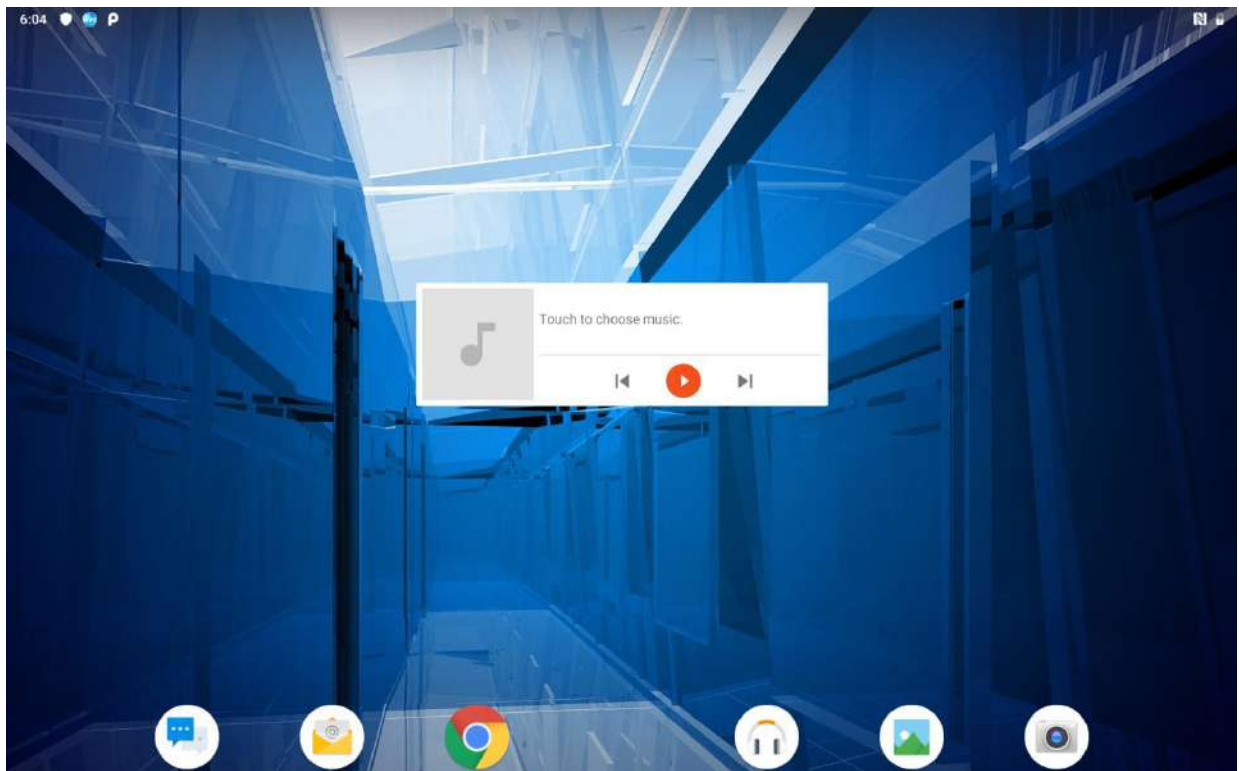
To remove items from the HOME SCREEN:

1. Tap and hold the item you want to remove. The launcher icon will show **Remove** on the top of the screen.
2. Drag the item you want to remove to the Remove icon.
3. When the icon turns red, release your finger.




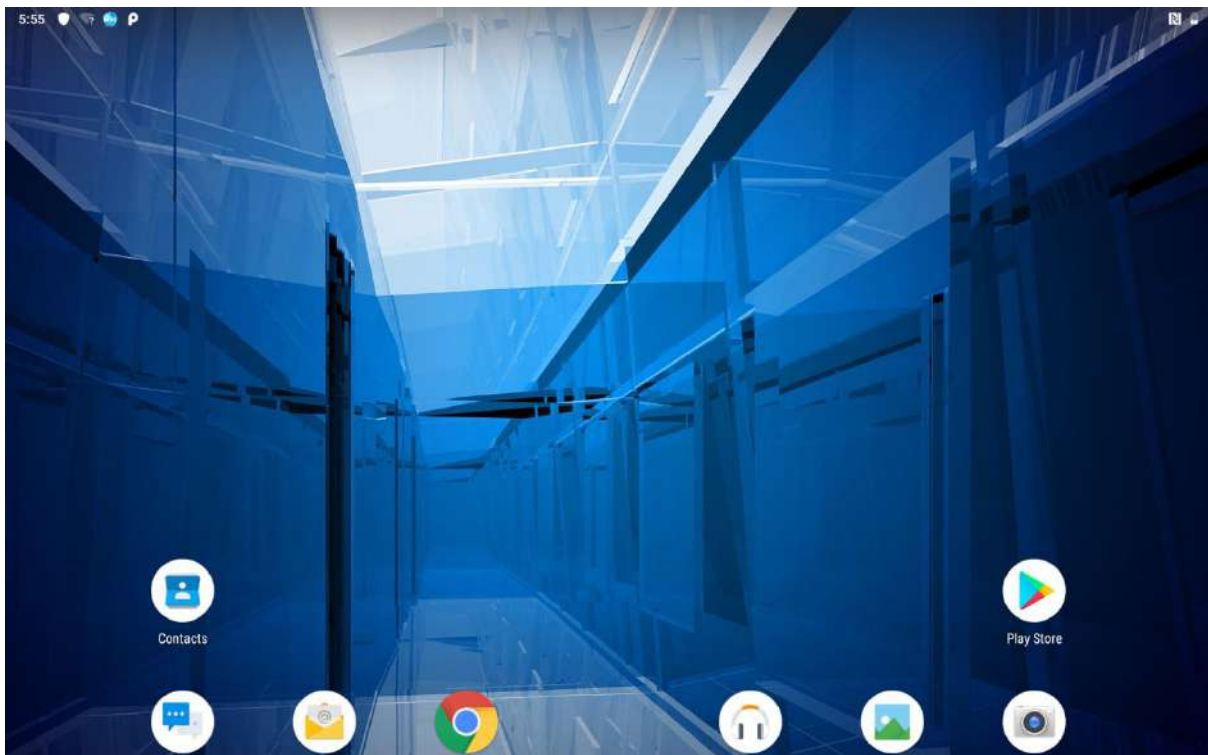
2.3.2 Viewing other parts of the Home Screen

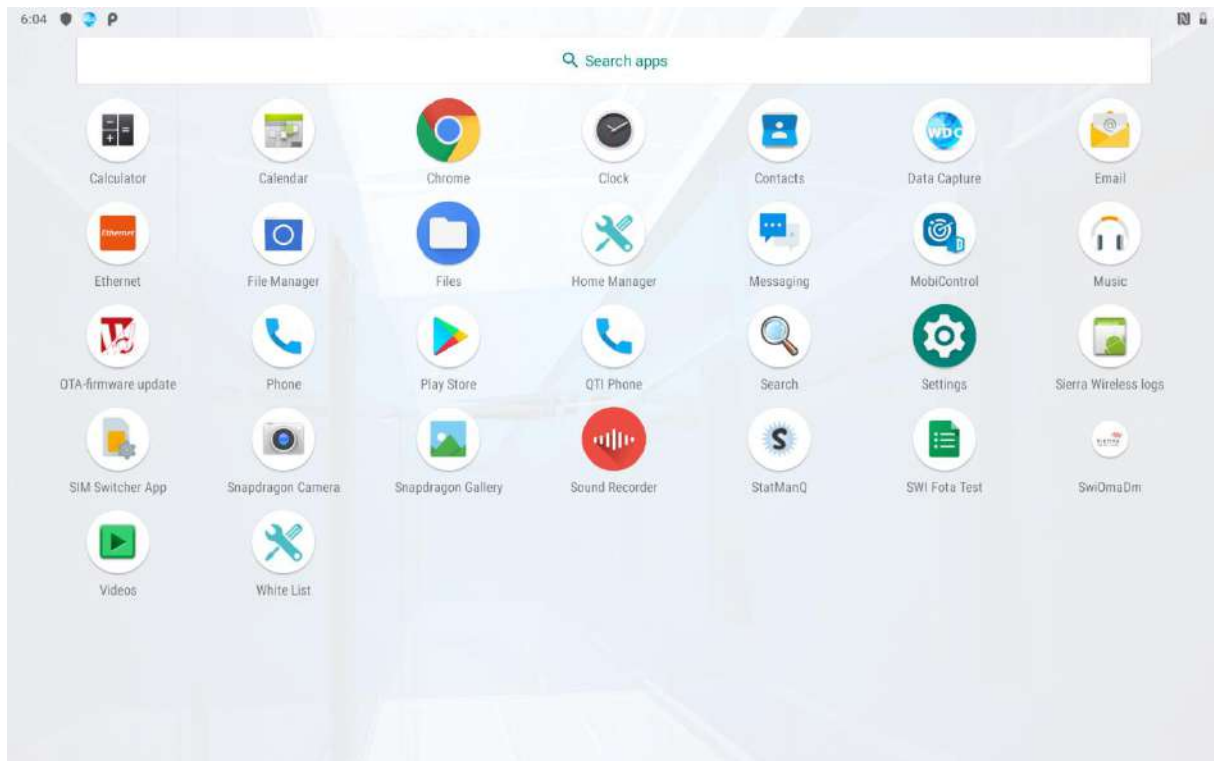
1. Slide your finger left or right across the Home screen. Extensions to the Home screen provide extra space for APPS, shortcuts, and other items.





2. Swipe from the bottom of the main desktop, tap **Settings**  to view the entire APPS on the device.





The status bar appears at the top of every screen. On the left are notification icons and on the right are status icons, along with the current time.

2.4 Status and Notification Icons



2.4.1 Notification Icons























Pull down from the left top of the screen to get the notifications area. The following icons indicate that you have received notification.

	New email message		Incoming call
	New text or multimedia message		Missed call
	Alarm is set		Speakerphone is activated
	Upcoming event		Phone microphone is muted
	Data is syncing		Downloading data
	Problem with sign-in or sync		Phone is connected via USB cable
	A screenshot is captured		

2.4.2 Status Icons

Pull down from the right top of the screen to get the notifications area. The following icons indicate the status of your device, for example if users are connected to a Wi-Fi network that is not connected to the internet, the network icons are appears in white color.


Status icons that appear in the status bar are as follows:

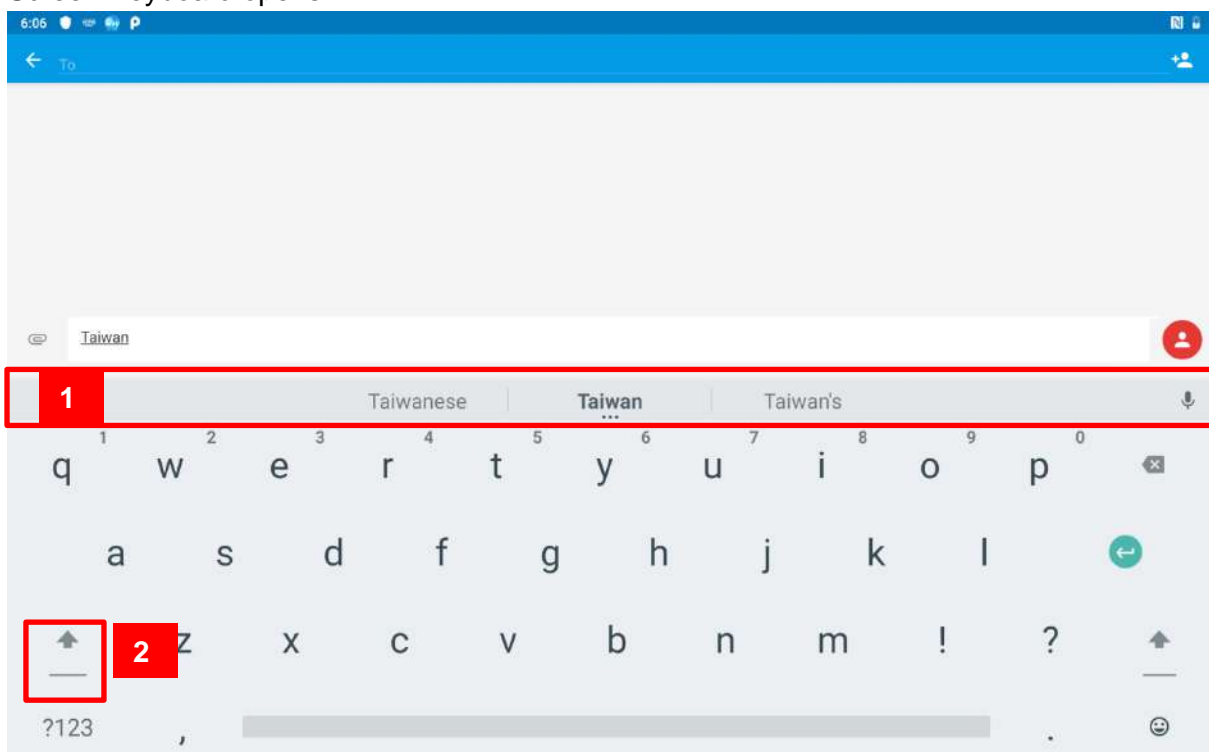
	Connected to GPRS mobile network		Bluetooth is on
	Connected to 1xRTT mobile network		Connected to a Bluetooth device
	Connected to EDGE mobile network		No SIM card installed
	Connected to 3G mobile network		Vibrate mode
	Connected to 4G mobile network		Ringer is silenced
	Mobile network signal strength		Battery is very low
	Searching for a network signal		Battery is low
	No signal		Battery is partially drained
	Connected to a Wi-Fi network		Battery is full
	Roaming		Battery is charging
	Airplane mode		Receiving location data from GPS

2.5 Using the On-Screen Keyboard

User will be able to enter text using the On-Screen Keyboard. Some applications will launch the keyboard automatically. In others, user needs to touch a text field where user wants to enter text to launch the keyboard. User will be able to enter text using the On-Screen Keyboard. Some applications will launch the keyboard automatically. In others, user needs to touch a text field where user wants to enter text to launch the keyboard.




2.5.1 Entering Text

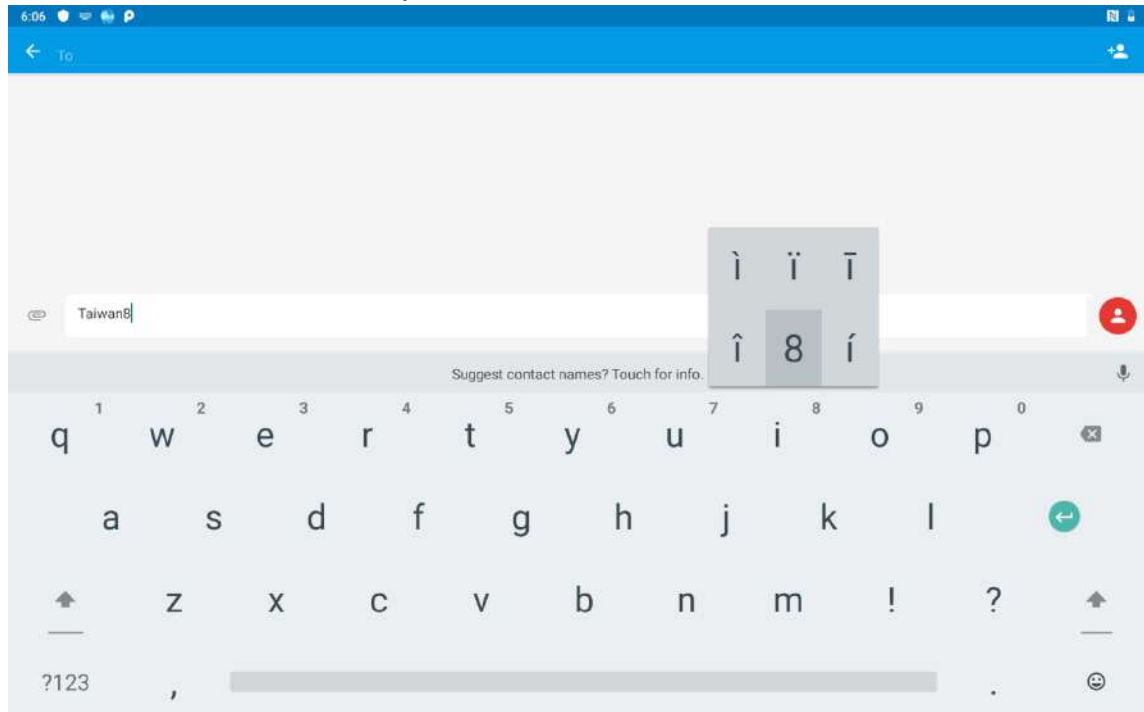
1. Open a text field, in this example we used Messaging  to compose a message. The On-Screen Keyboard opens.



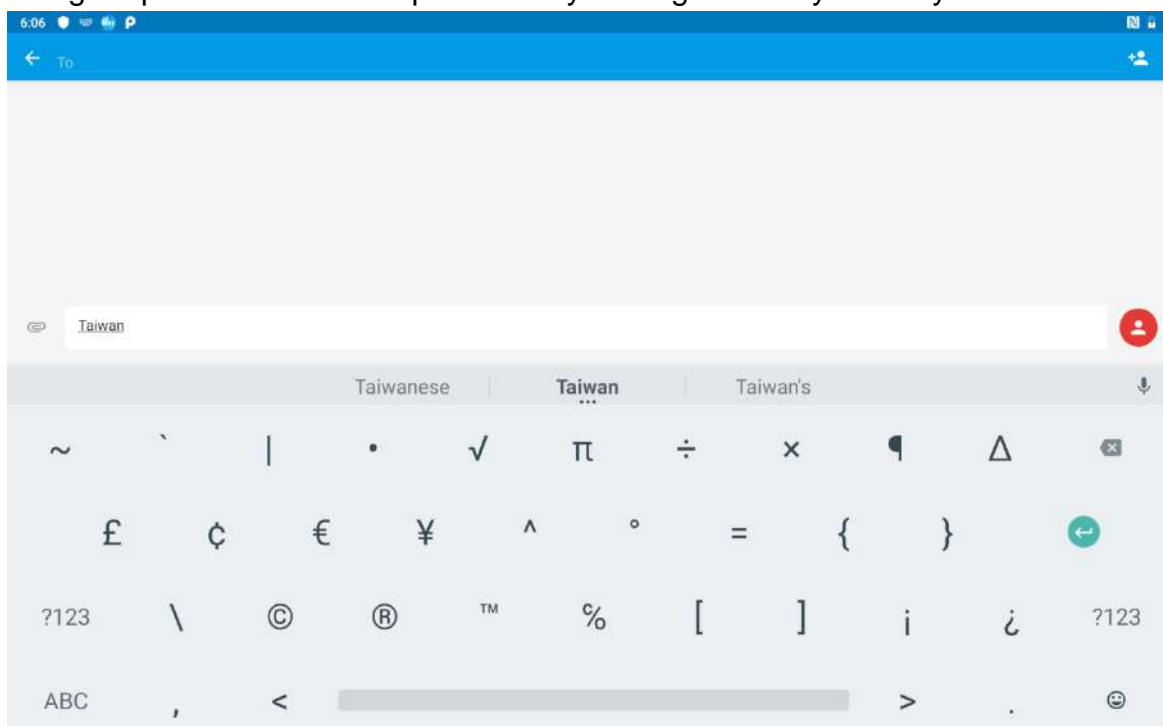
No.	Description
1	Suggestions – Tap a suggestion to enter it in the place of the underlined.
2	Capitalize – Tap once to capitalize the alphabet..

*If user taps in a text field which already contains text, the insertion point is set where user tap and the cursor appears. User can drag the cursor to pick exactly where you want to add more text. User can also select a word to copy, cut and paste it. See [“Editing Text”](#).

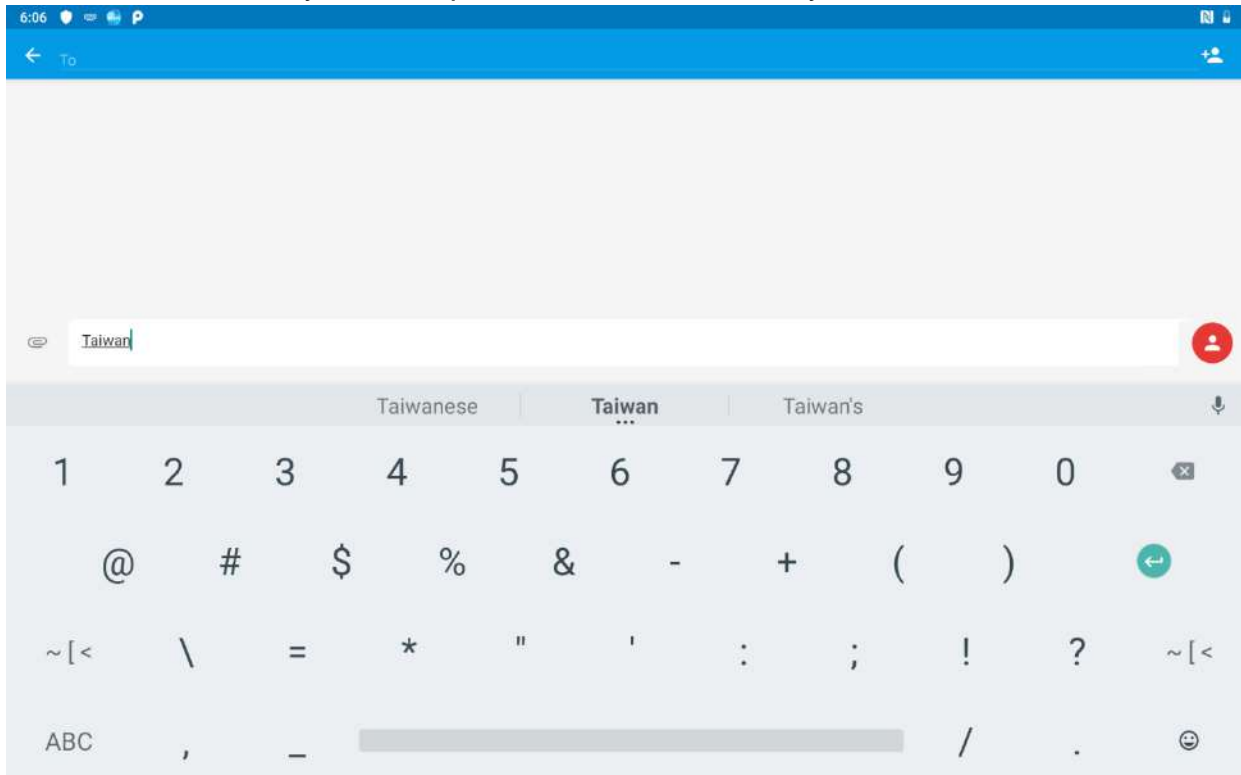
2. Tap the delete key  to erase characters to the left of the cursor.
3. Tap  to enter numbers. Tap  to return to letters.




4. To enter symbols and other characters, tap and hold one of the top-row keys and slide your finger up to the list of the options. Lift your finger when you find your selection.




5. To view additional symbols, tap  on the numeric keyboard.

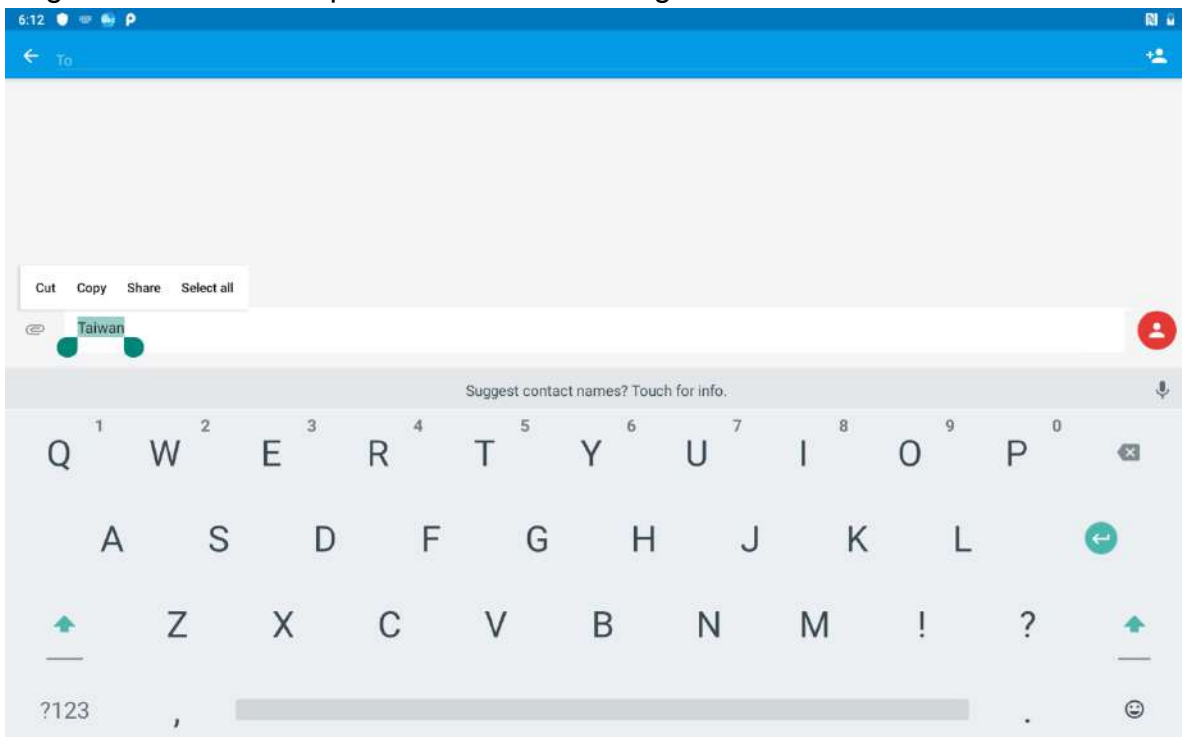


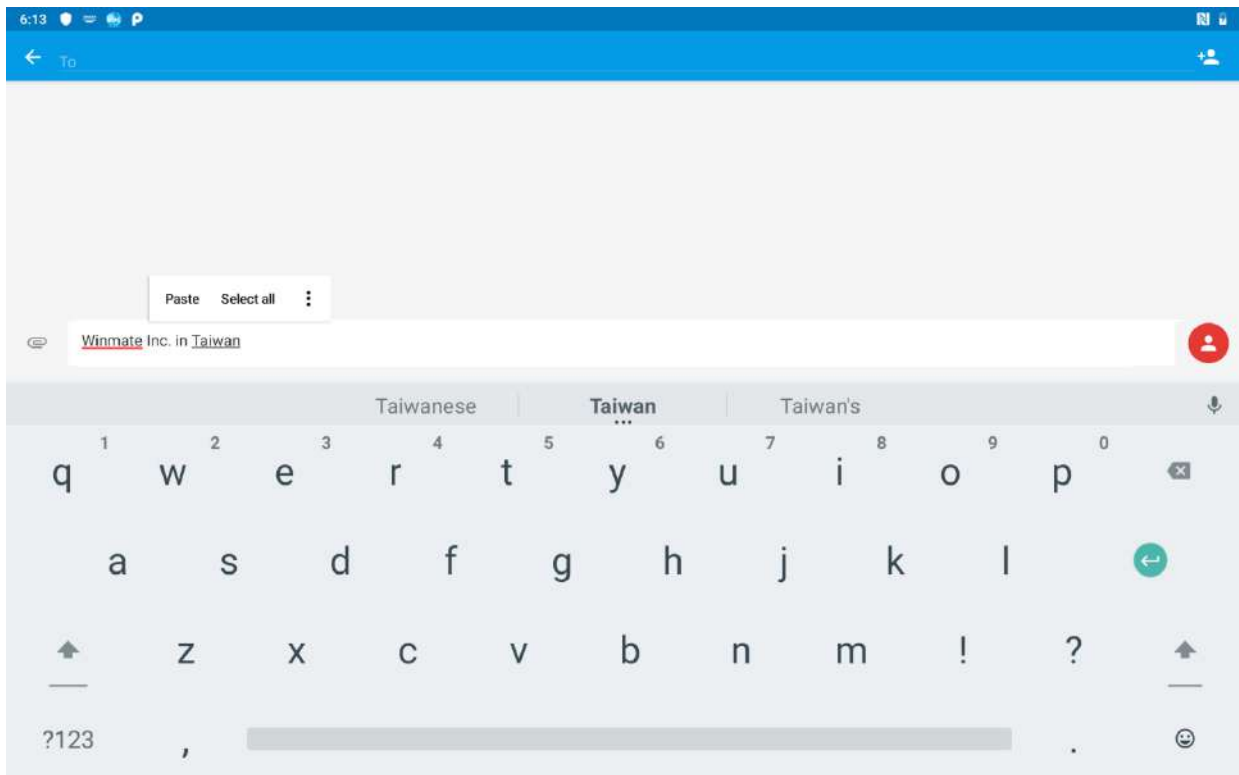
6. To close the On-Screen keyboard, press the back button  on the top or **Fn** button.

2.5.2 Editing Text

To select text:

1. Double-tap the text you want to select.
2. Tap  to select all the sentences in the menu that appears, the selected text is highlighted in green, with a tab at each end of the selected word.
3. Drag selection tab to expand or reduce the range of the selected text.



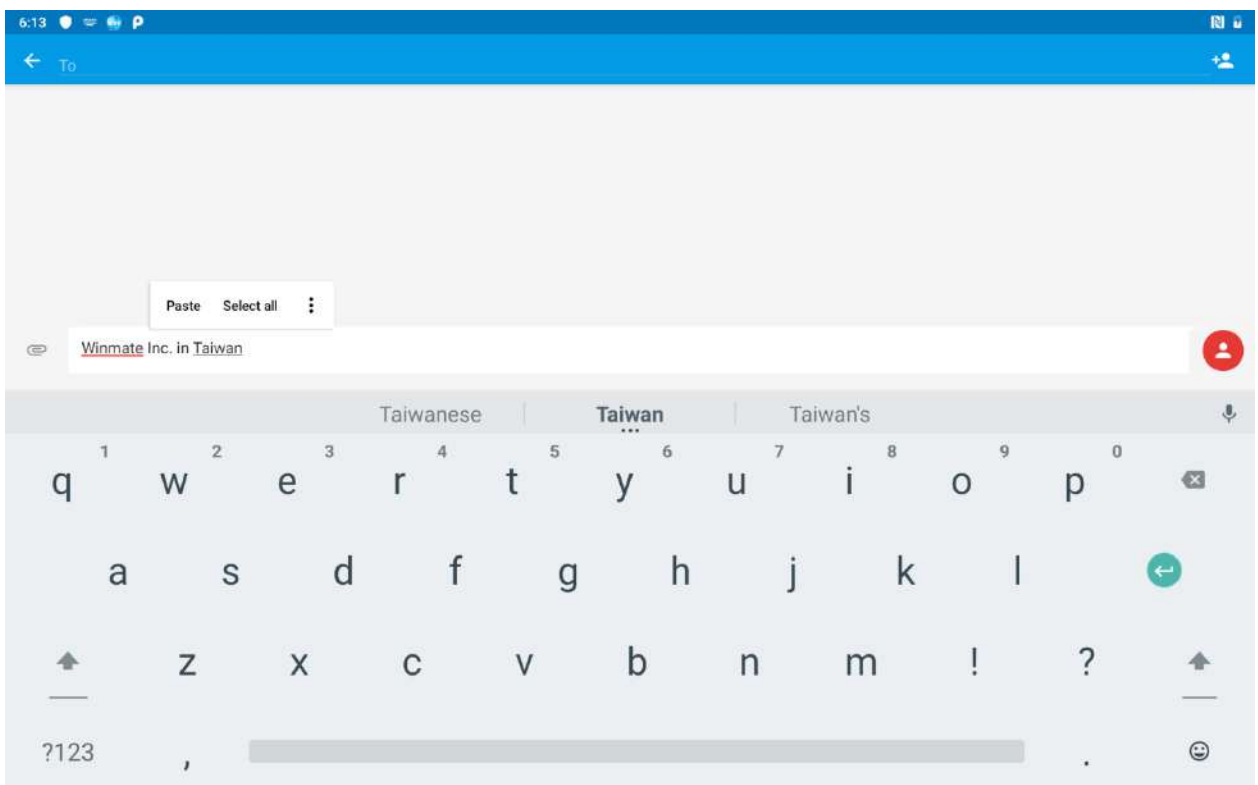
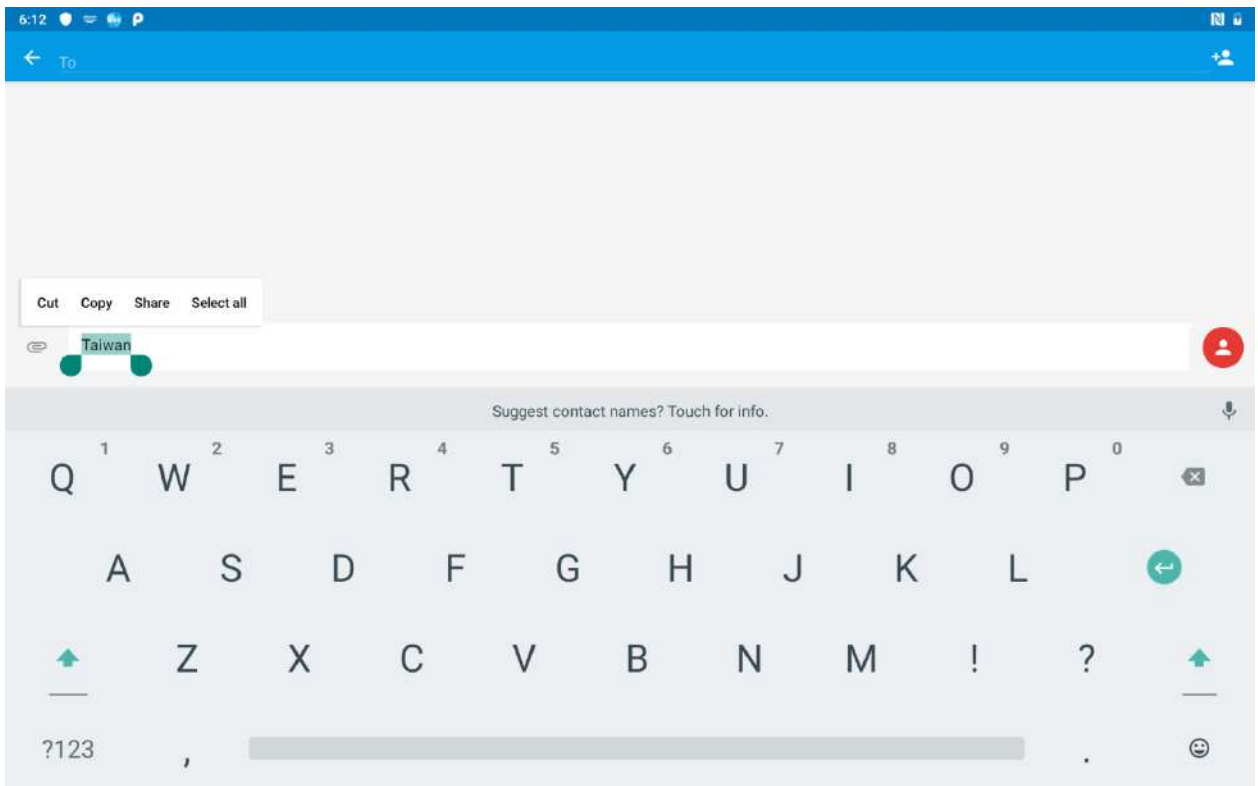


To Cut or Copy Text:

1. Select the text to cut or copy, see the section above "[To select text](#)".
2. Tap **Cut** or **Copy** in the Edit text menu.
3. If you select **Cut**, the selected text is removed from the text field; it is stored in temporary area so that you can paste it into different text field.

To Paste Text:

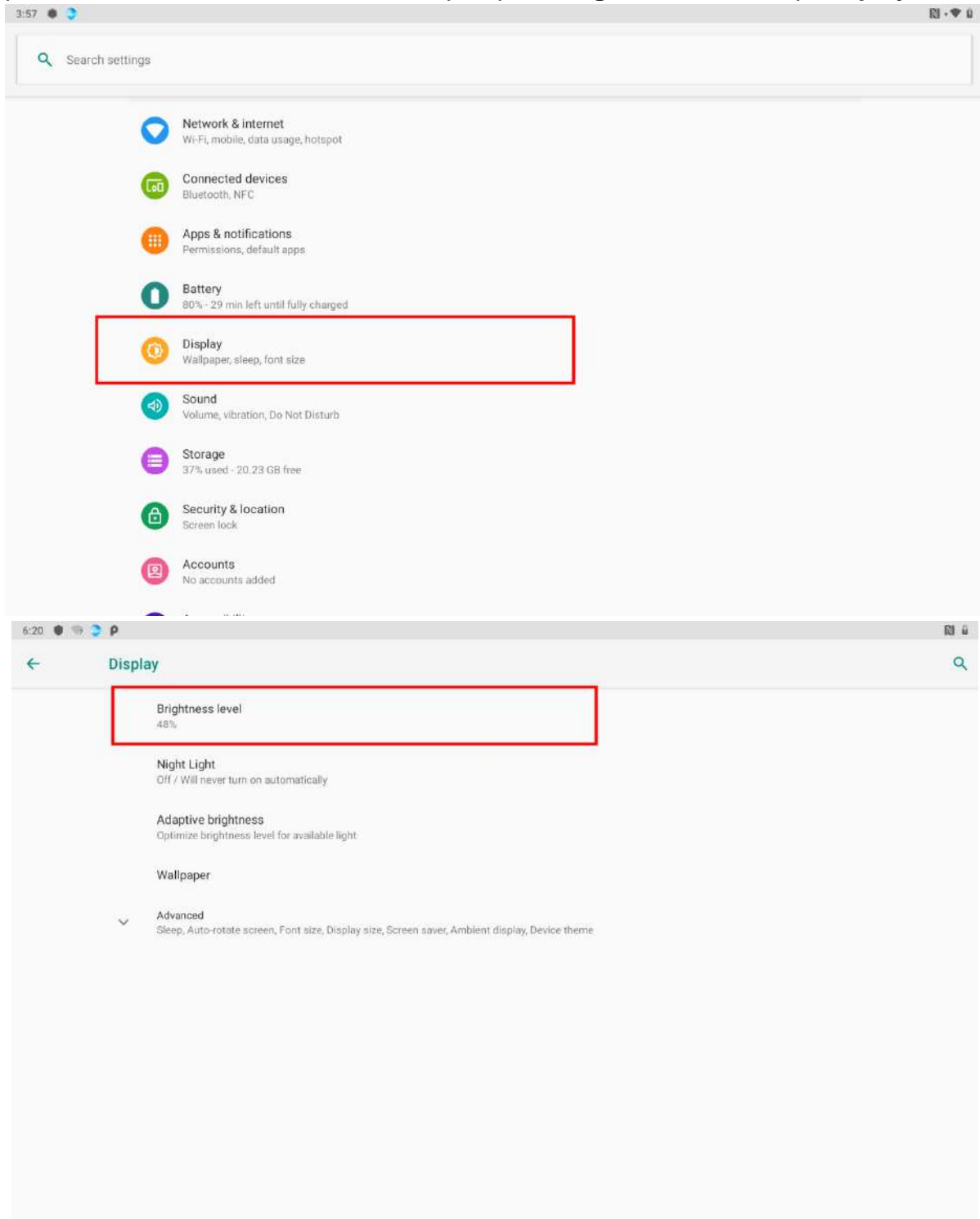
1. After Cut or Copy the text, see the section above "[To Cut or Copy Text](#)".
2. Place the cursor in the text field where you want to paste the text, user can paste text that you copied from one application into a text field in any application.
3. Tap and hold into the location that you want to paste. Tap **Paste** in the menu that opens to replace the existing text with copied text.



2.6 Display Settings

Use the display settings to configure brightness and other screen settings.

1. Swipe from the bottom of the main desktop, tap **Settings** , and then tap **Display** .



Display

- **MiraVision™** - to display picture quality optimization options.
 - **Brightness level** – for adjusting the brightness of the screen.
- **Adaptive brightness** – to optimize brightness level for available light
- **Wallpaper** – to select wallpaper
- **Sleep** – to set up the device's sleep mode after the specified period of inactivity
- **Press power button twice for camera** – Quickly open camera without unlocking your screen

- **Battery Percentage** – to control battery percentage display.
- **Screen saver** – to control what happens when the tablet is docked and/or sleeping, turn screen saver on
- **Font size** – Make the text on screen smaller or larger
- **Display size** – Make the items on your screen smaller or larger. Some apps on your screen may change position.
- **When device is rotated** – for switching the orientation of the screen when user turns the device sideways or upright.
- **Cast** – allows displaying whatever is visible on the device's screen on another screen, mostly wirelessly using Wi-Fi as a medium for sharing the screen.



Note: For the longest battery life between charges, use the shortest Sleep time.

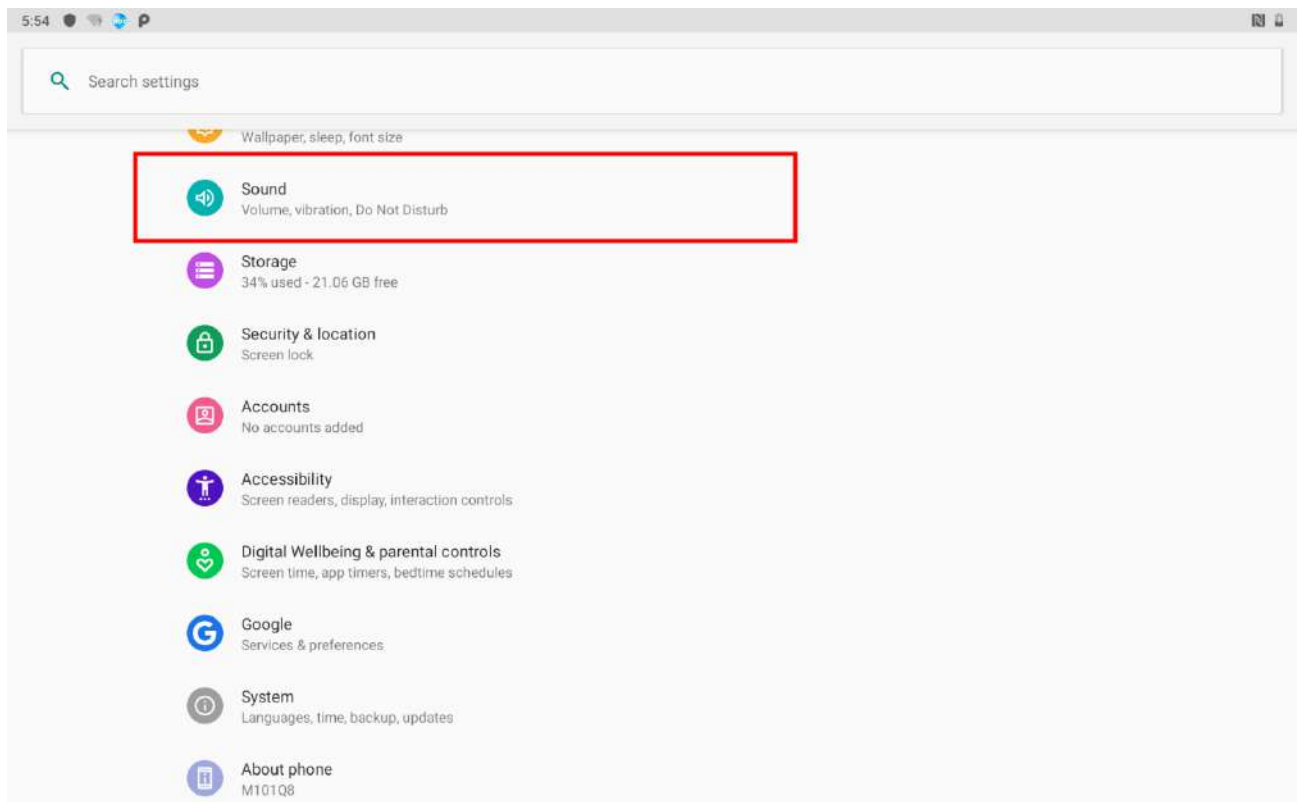
2.7 Audio Profile Settings

Use the sound settings to configure how and at what volume the tablet rings, vibrates or alerts user in other ways when user receive a call, receive a notification or an alarm sounds.

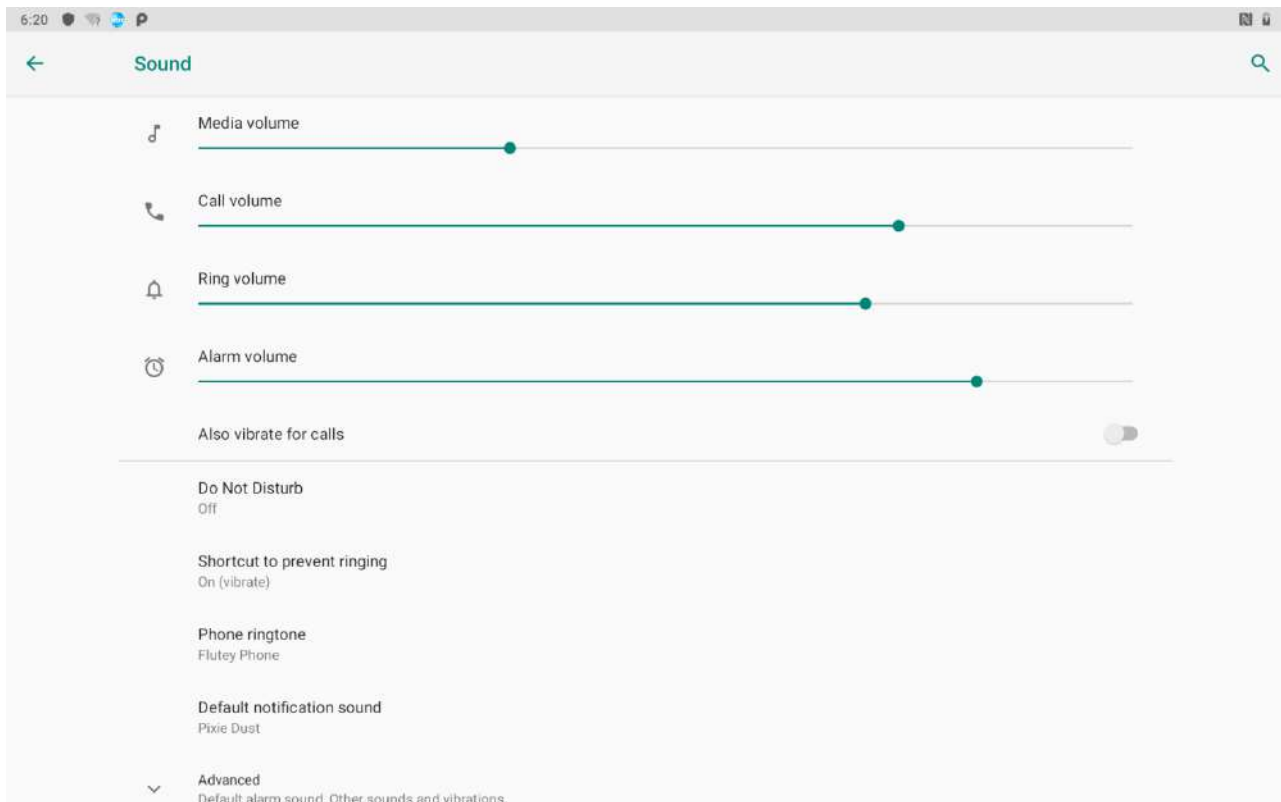
2.7.1 Sound Settings

Use the sound settings to configure how and at what volume the tablet rings, vibrates or alerts user in other ways when user receive a call, receive a notification or an alarm sounds.

1. Swipe from the bottom of the main desktop, tap **Settings** , and then tap **Sound** .

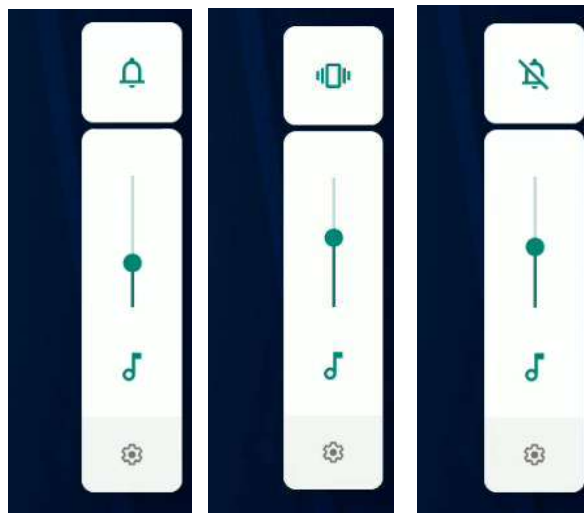


2. In the **Sound** user can select Media volume, Call volume, ring volume, alarm volume and other sound settings.





2.7.2 Adjusting Volume

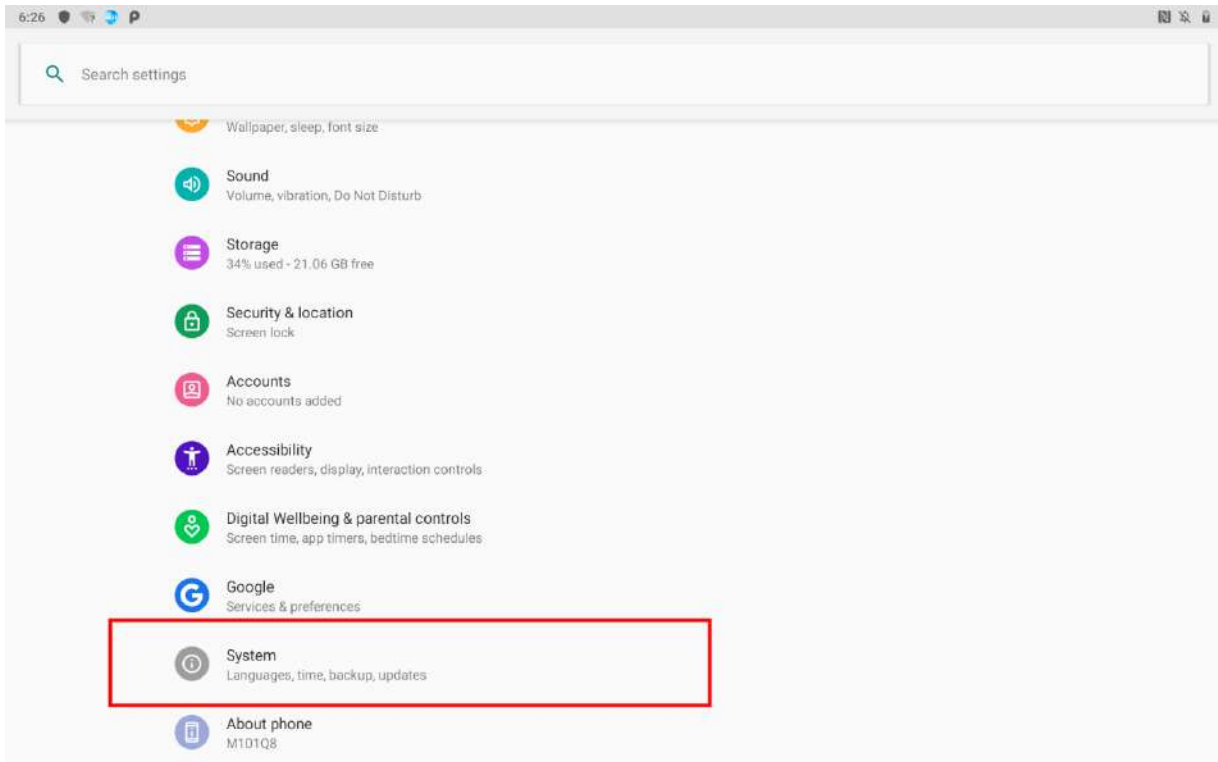
1. Press the volume keys to change the media volume (On Home screen) or earpiece volume (during a call). Press the volume key again to set up Vibration mode.




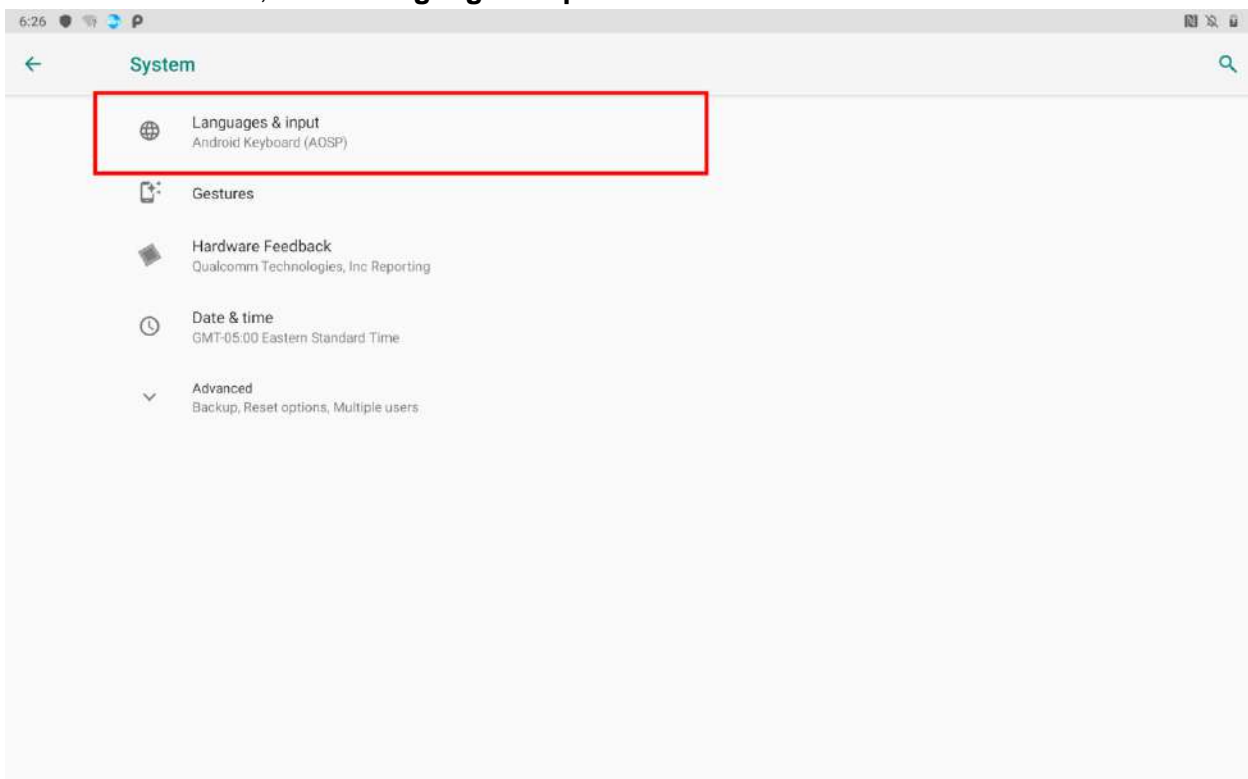
2.8 Language and Keyboard Settings

Use the Language & keyboard settings to select the language for the text on your tablet and for configuring On-Screen Keyboard, including words that you have added to its dictionary.

1. Swipe from the bottom of the main desktop, and then tap **Settings** , and then tap **System** .

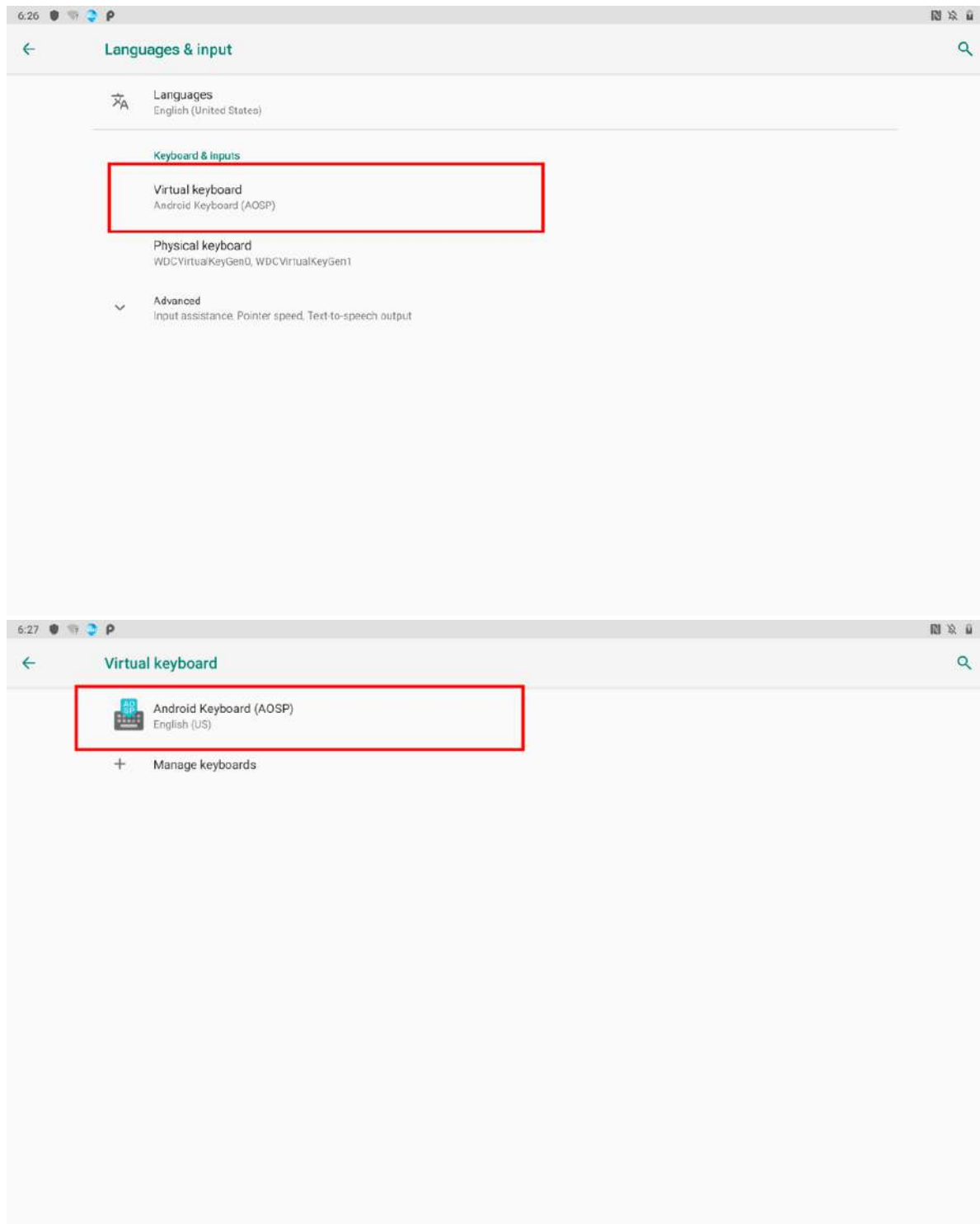


2. In the **Personal** tab, select **Language & Input** .



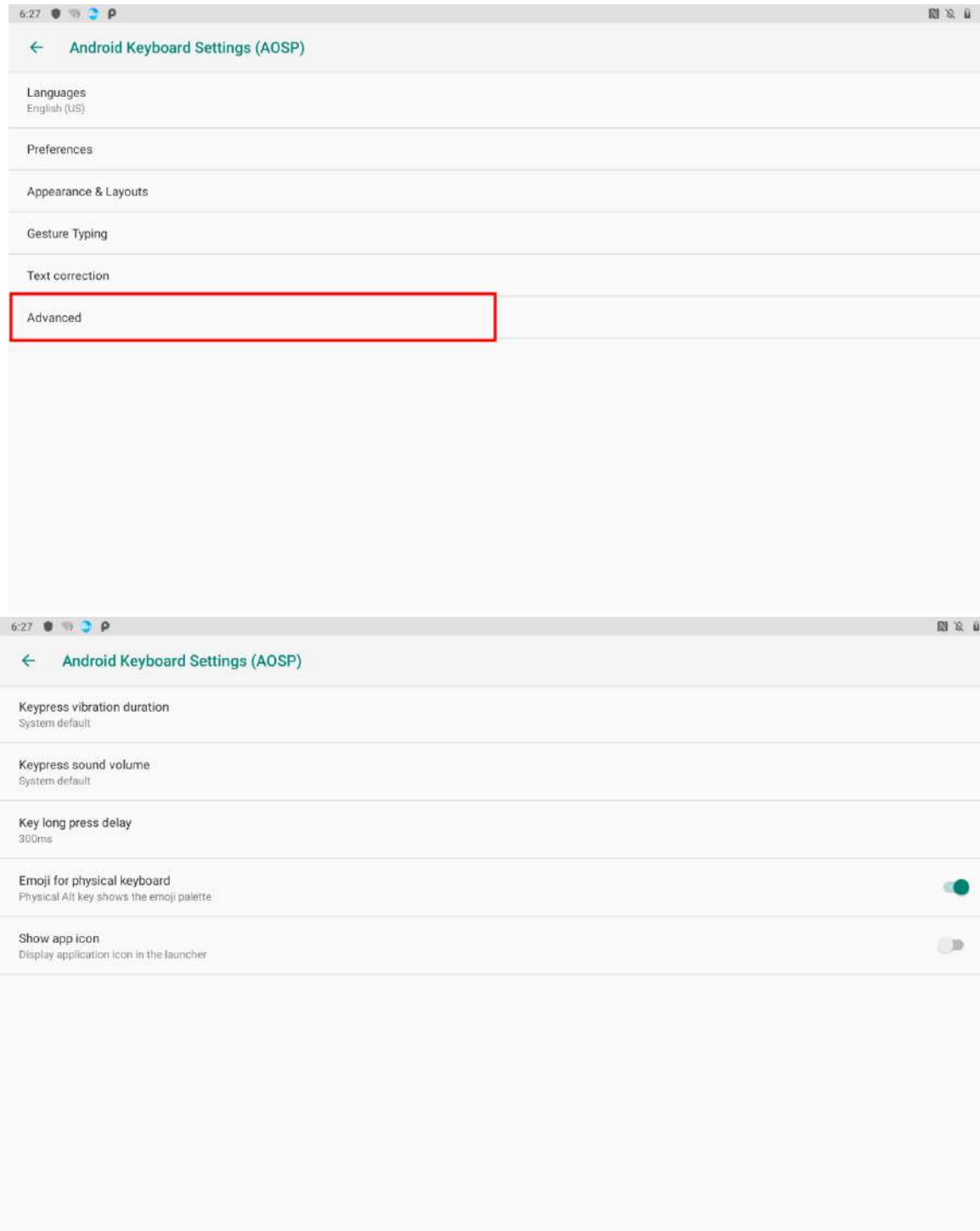
- **Keyboard & input methods**

- **Virtual Keyboard** – to apply the onscreen keyboard that is included with user's device. Default Android Keyboard (AOSP).
- **Physical Keyboard** – allows the user to apply physical keyboard settings if connected.



- **Appearance & layouts**
 - **Theme** – to select the theme of layout.
 - **Custom input styles** – user can select custom input style, such as QWERTY keyboard.
 - **Enable split keyboard** – toggle to activate split keyboard layout.
- **Text Correction**
 - **Personal dictionaries**
 - **Add-on dictionaries**
 - **Block offensive words** – disable suggesting potentially offensive words
 - **Auto-correction** – spacebar and punctuation automatically correct mistyped words.
 - **Show correction suggestions** – display suggested words while typing.
 - **Personalized suggestions** – learn from your communications and typed data to improve suggestions.
 - **Suggest contact names** – use names from Contacts for suggestions and corrections.

- **Next-word suggestion** – use previous word in making suggestion.
- **Advanced**



- **Keypress vibration duration**
- **Keypress sound volume**
- **Key long press delay**
- **Emoji for physical keyboard**
- **Show app icon**

Changing the Keyboard Language

The current keyboard language is displayed on the Space key and user can switch languages.

1. Tap and hold the space key.
2. Without lifting the finger, slide it to the left or right until the language you want to use appears in the center of the small window above the Space Key.
3. Lift the finger to change the keyboard language.

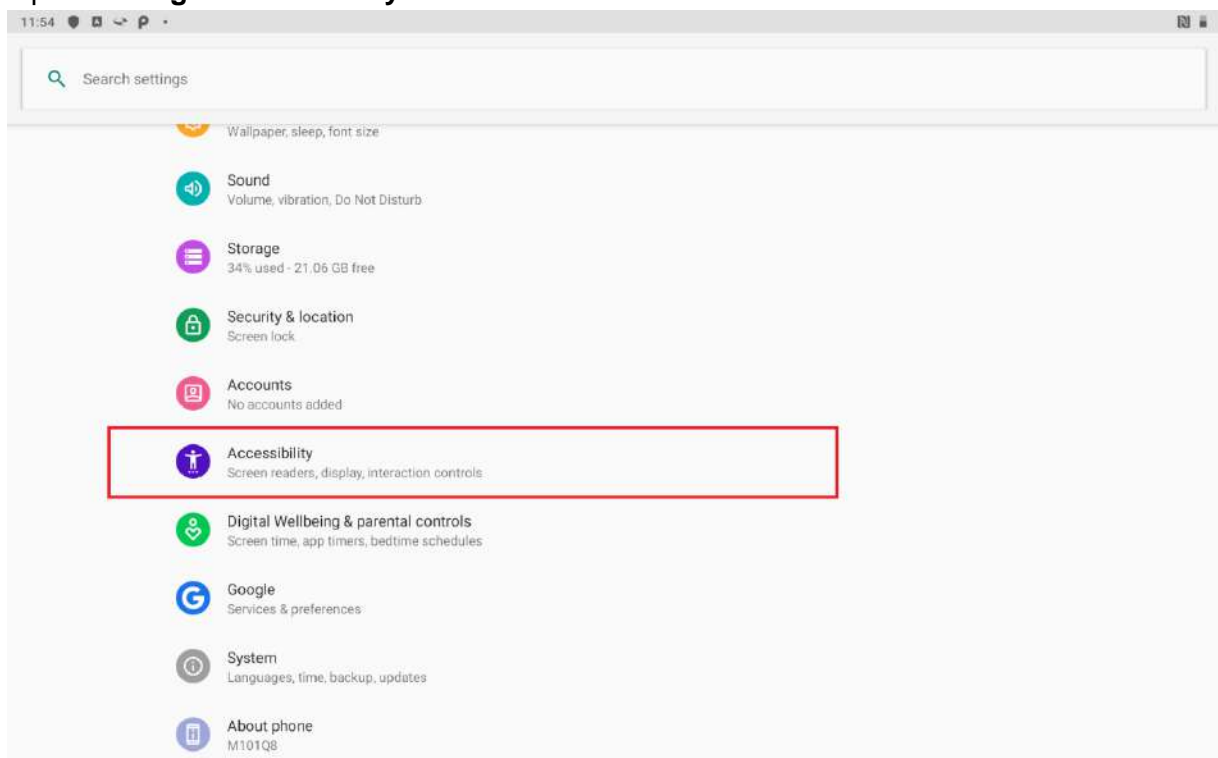
2.9 Changing Touchscreen Modes

The touch screen of the M101Q8-ME Series Rugged Tablet supports hand/Water Resistant, Stylus and glove modes. You can change the touch mode in Accessibility settings.

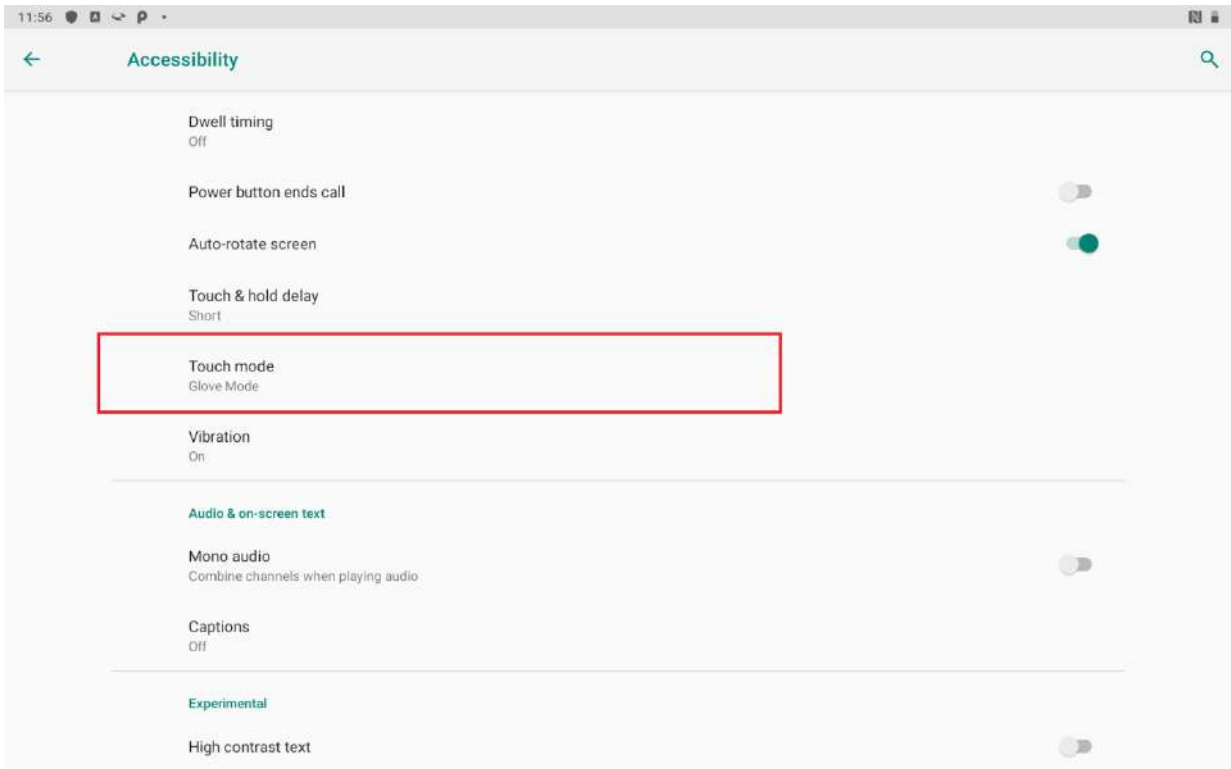
Mode	Description
Hand/Water Resistant Mode (Default)	In <i>Hand/Water Resistant</i> mode the touchscreen rejects false inputs from liquid drops. When the liquid is removed, the touchscreen accepts touch inputs from bare fingertips. This is a default mode setting. <i>Supports input by:</i> <ul style="list-style-type: none"> • <i>Rubber tip passive stylus</i> • <i>Bare fingertips</i>
Stylus Mode	In <i>Stylus</i> mode, the touchscreen supports inputs from the fine-tip passive capacitive stylus (shipped with tablet). <i>Support input by:</i> <ul style="list-style-type: none"> • <i>Fine-tip passive stylus with palm rejection</i> • <i>Rubber tip passive stylus</i> • <i>Bare fingertips</i>
Glove Mode	In <i>Glove</i> mode, the touchscreen supports inputs while the user is operating the touchscreen with gloves on. <i>Supports input by:</i> <ul style="list-style-type: none"> • <i>Glove</i> • <i>Rubber tip passive stylus</i> • <i>Bare fingertips</i>

To change touch mode:

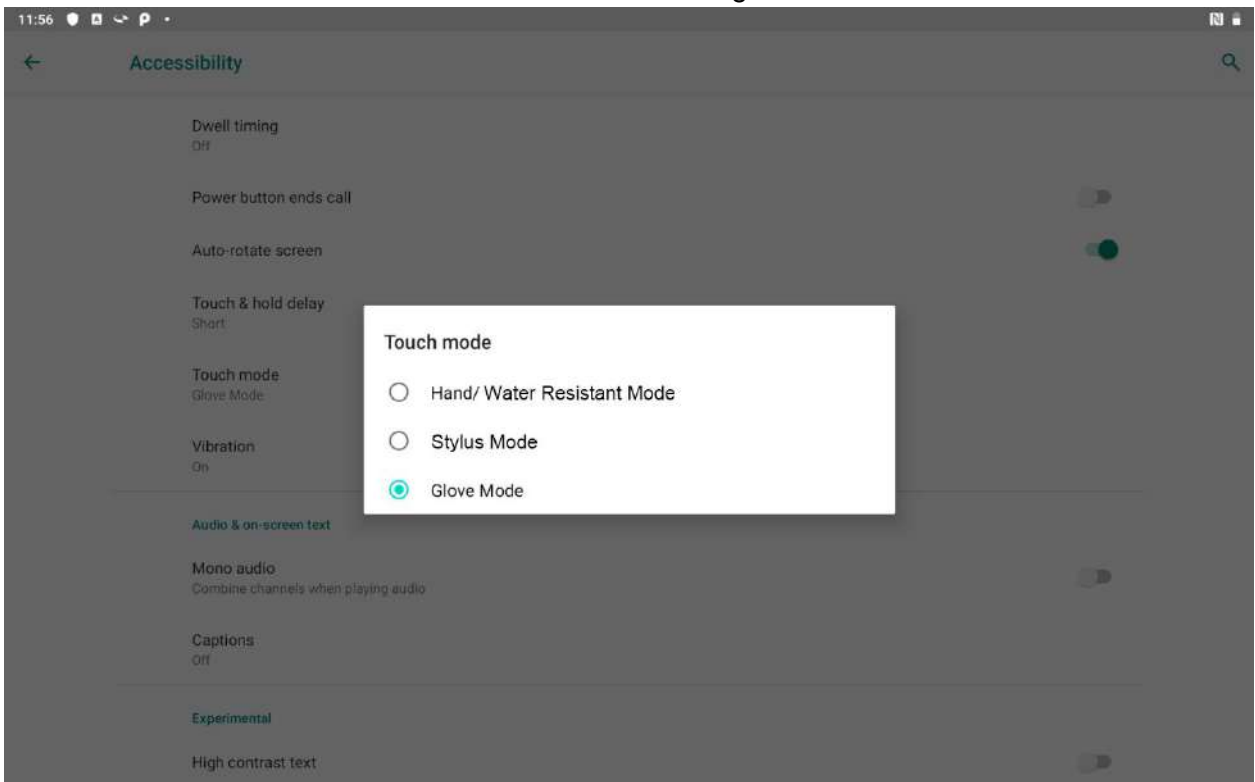
1. Open **Settings**>**Accessibility** > **Touch Mode**.



2. Select touch mode. Follow the table below for more information about each touch mode.



3. Select the touch mode and leave the Touch Mode settings.



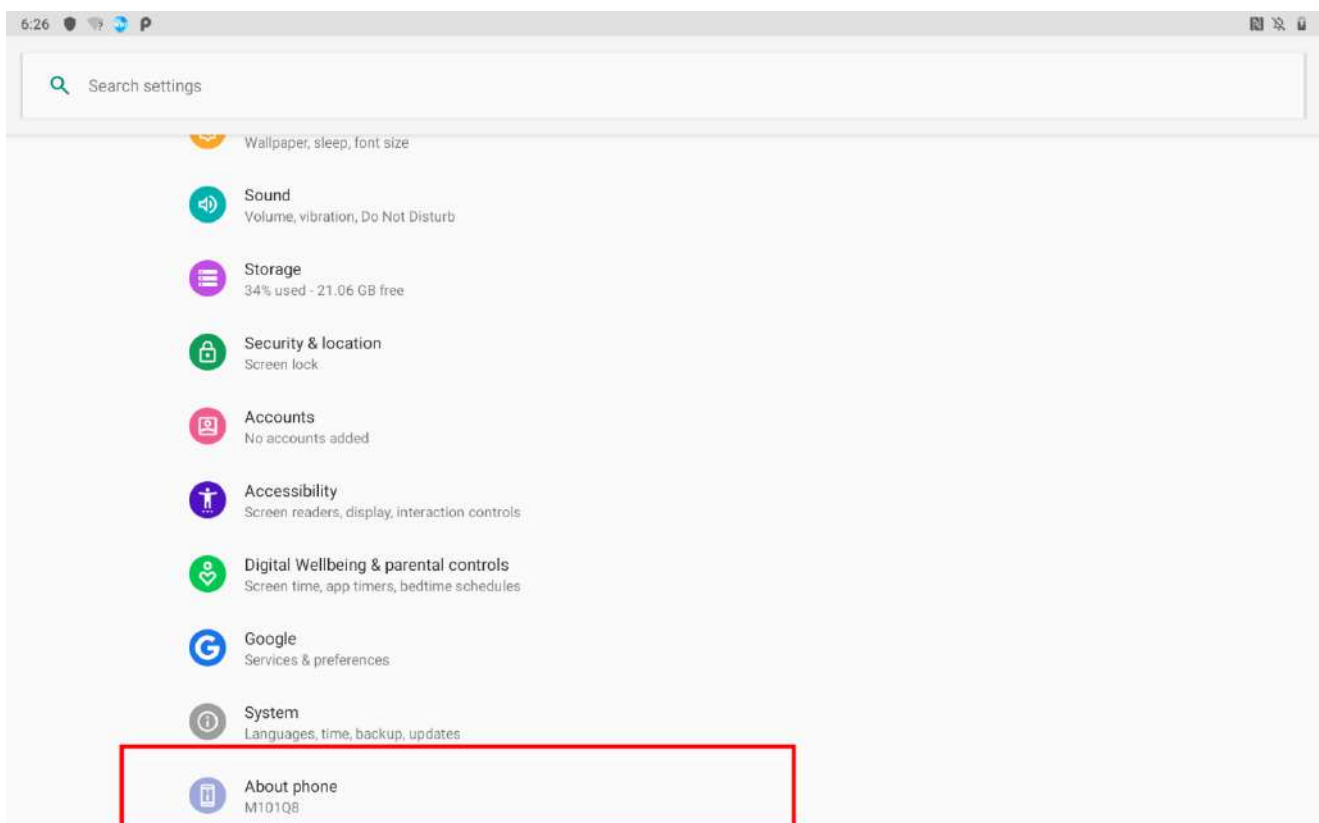
2.10 About Phone

About Phone includes information about user's device.

- **System Update** — provides information regarding the local or online update of your devices.
- **Status** — opens the status screen with a list of information about battery, network, signal strength and other details.
- **Legal Information** — lists details about the model number, Android Version, Baseband version etc. this information is useful if user need to work with support team.
- **Model number** – displays the model name of the current device.
- **Android version** – displays the current Android operating system version the device running

To access the information about the phone:

1. Swipe from the bottom of the main desktop, tap **Settings** , tap **About Phone**  .

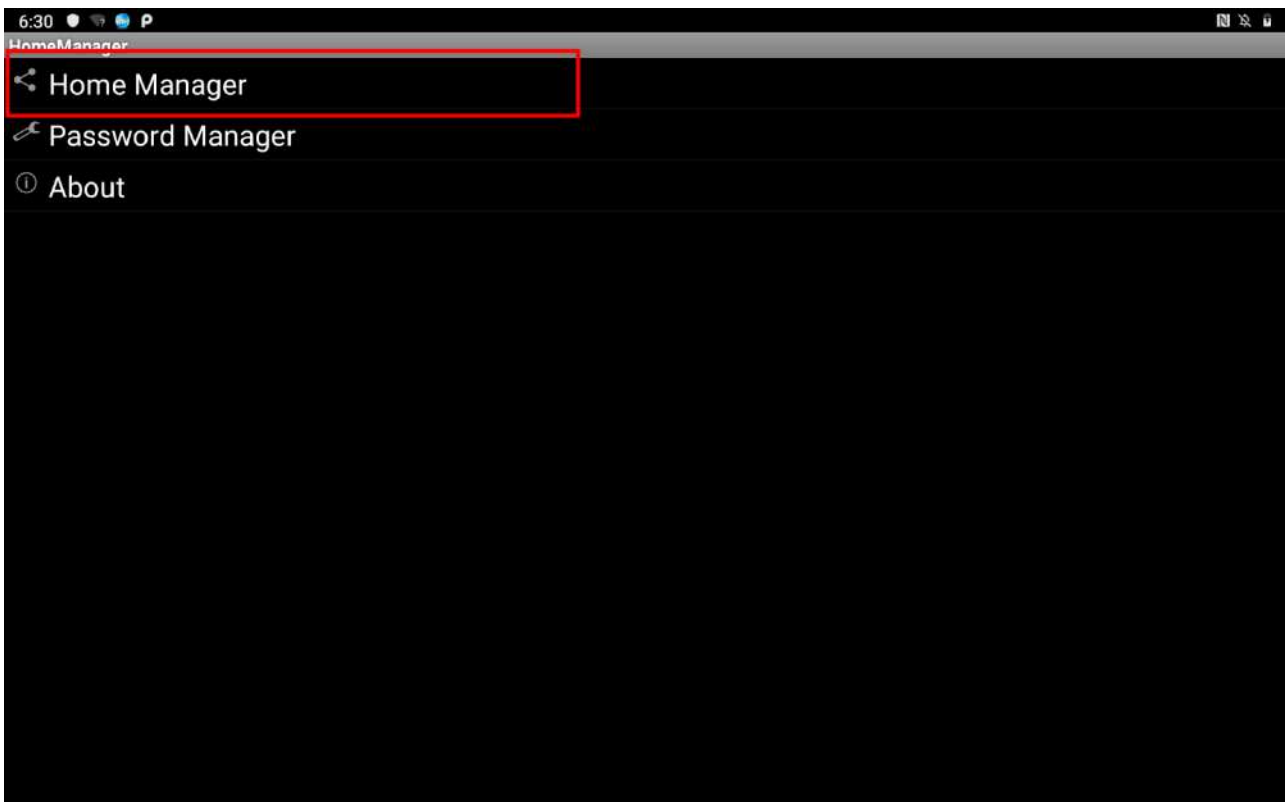
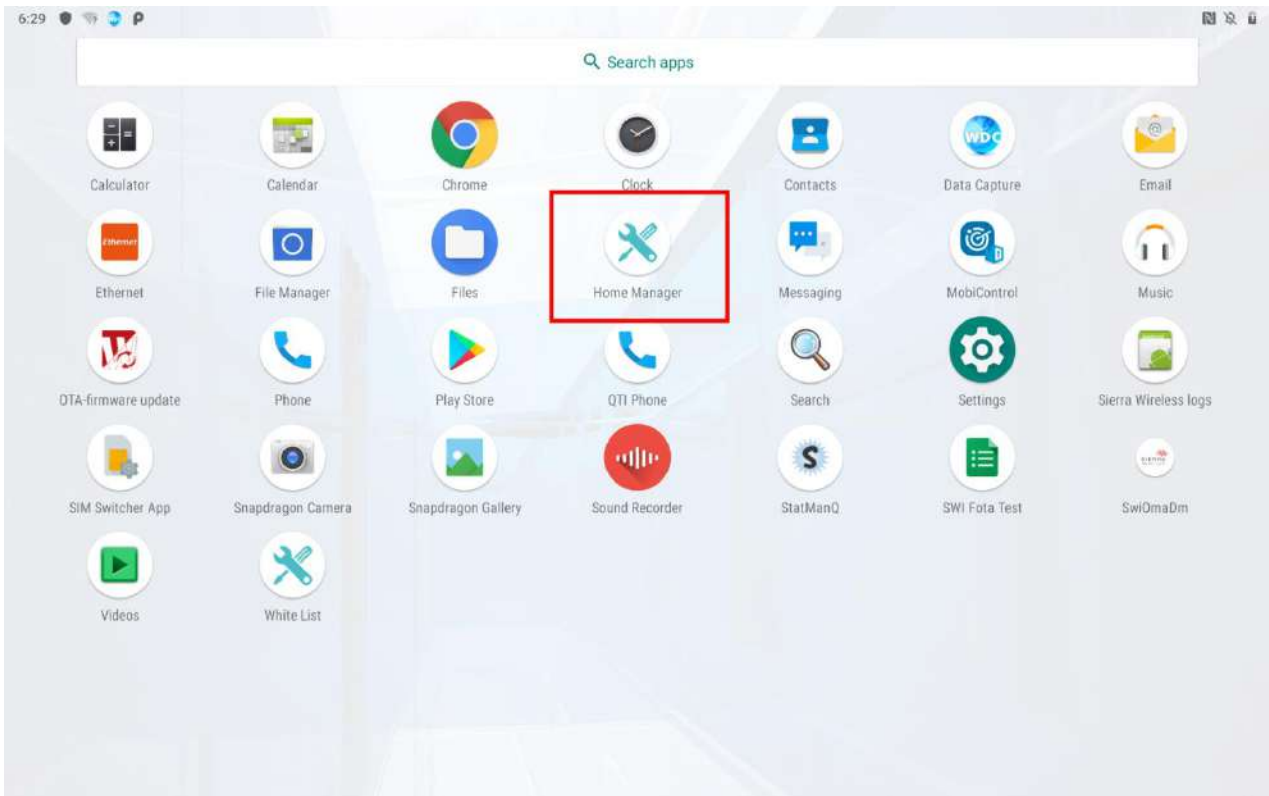


Chapter 3: Winmate Home Manager

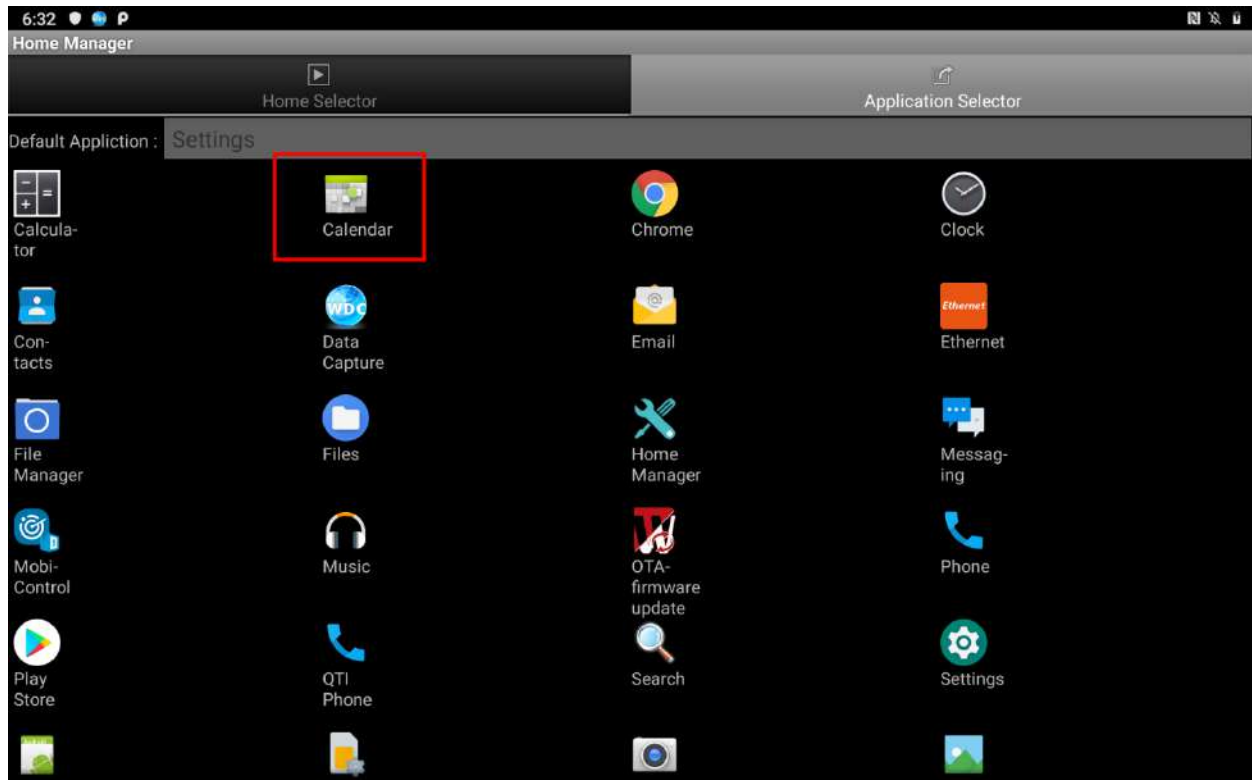
The M101Q8-ME Series Rugged Tablet comes with preinstalled APP named Winmate® Home Manager (WHM). This application lets the device manager to lock the launcher. When the launcher is locked the user can only use one application assigned by the device manager.

3.1 How to Lock Applications

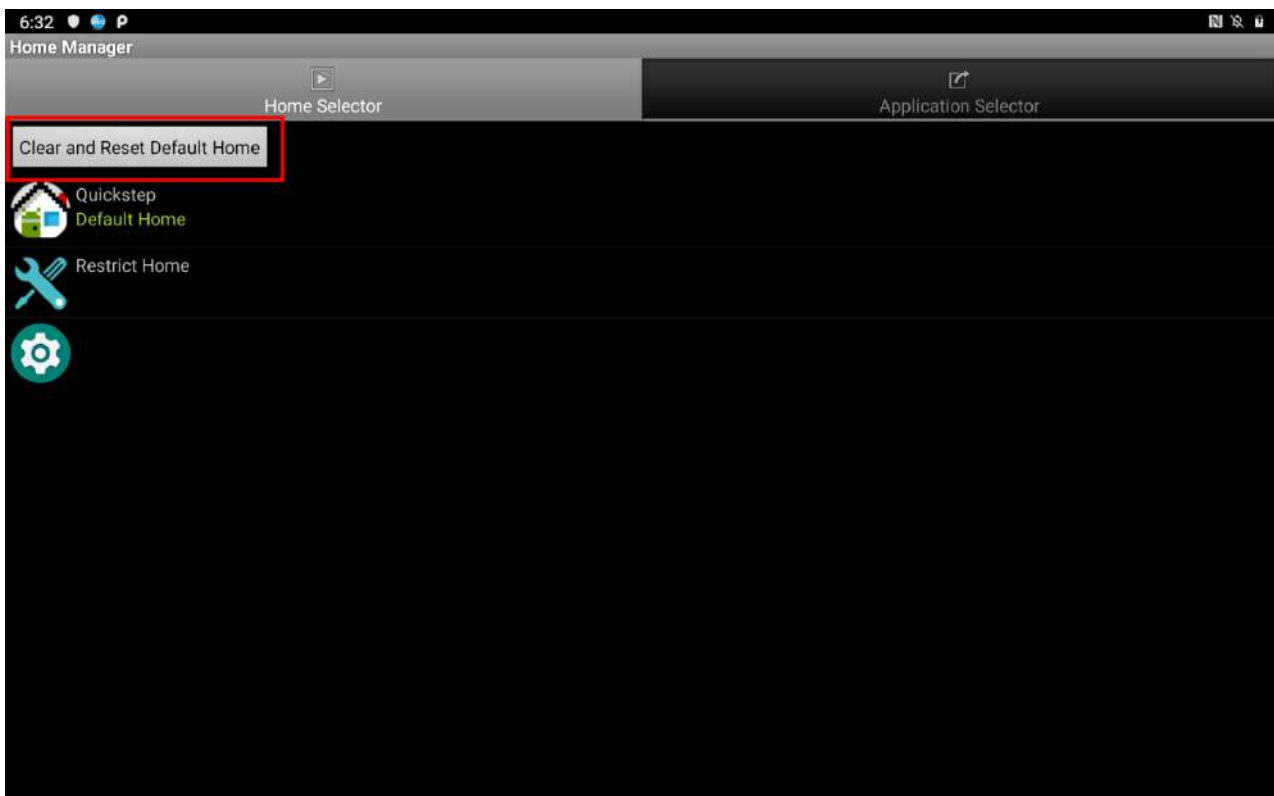
1. In the main APPS window, select the **Home Manager** . Select **Home Manager** to start your settings. Go to **Password Manager** and set your own password for this APP. The default password is "0000".



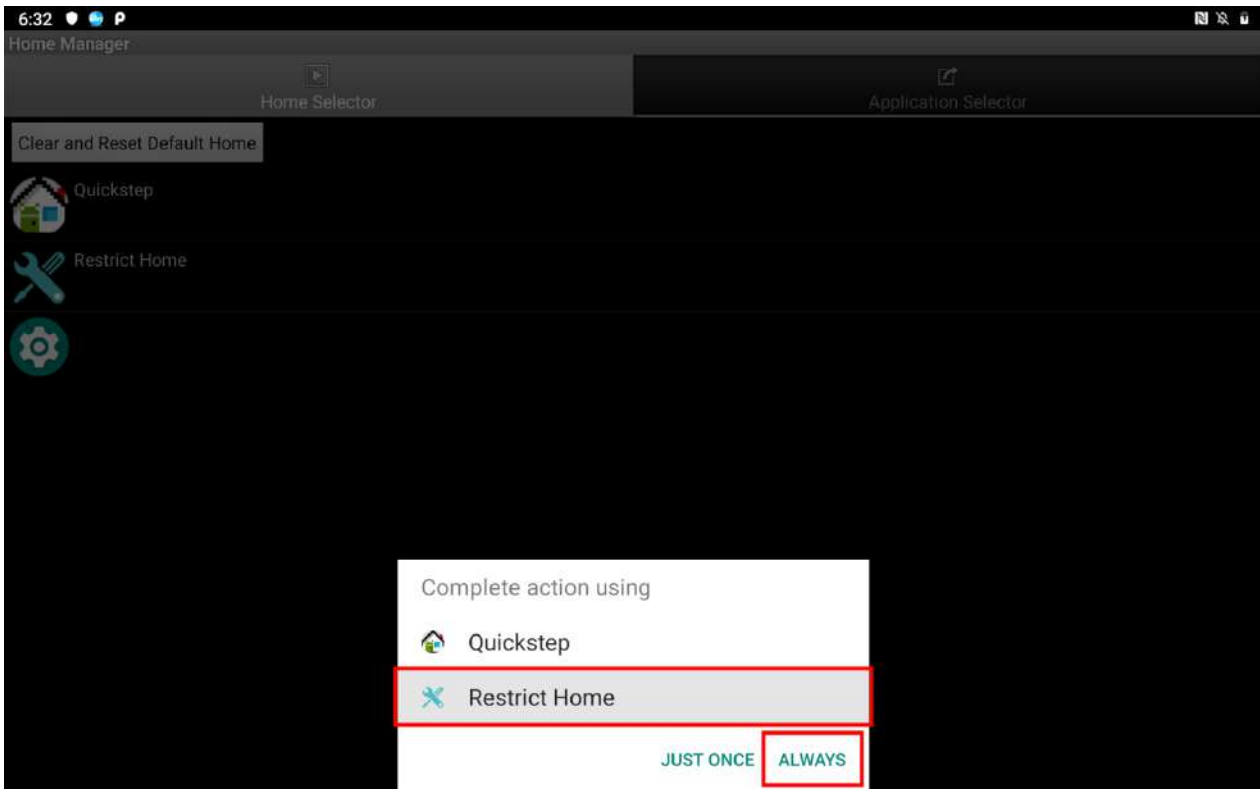
- Go to “**Application Selector**” and choose an Application to be locked. *Example: Select the Calendar AP.*



- Go back to “**Home Selector**” and press “**Clear and Reset Default Home**”.

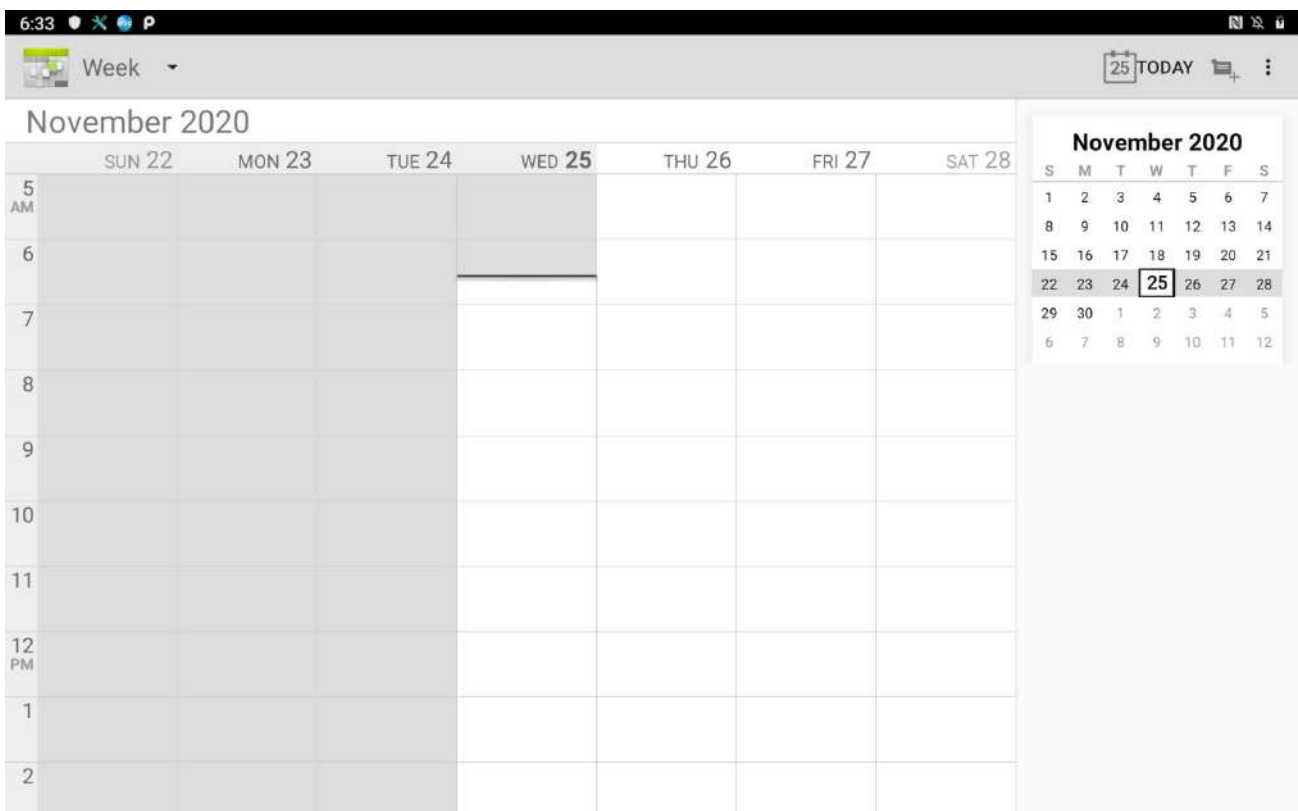


4. Select **“Restrict Home”**, and then restart the tablet. System will ask to select **“Just once”** or **“Always”** to use this launcher, please select **“Always”**.



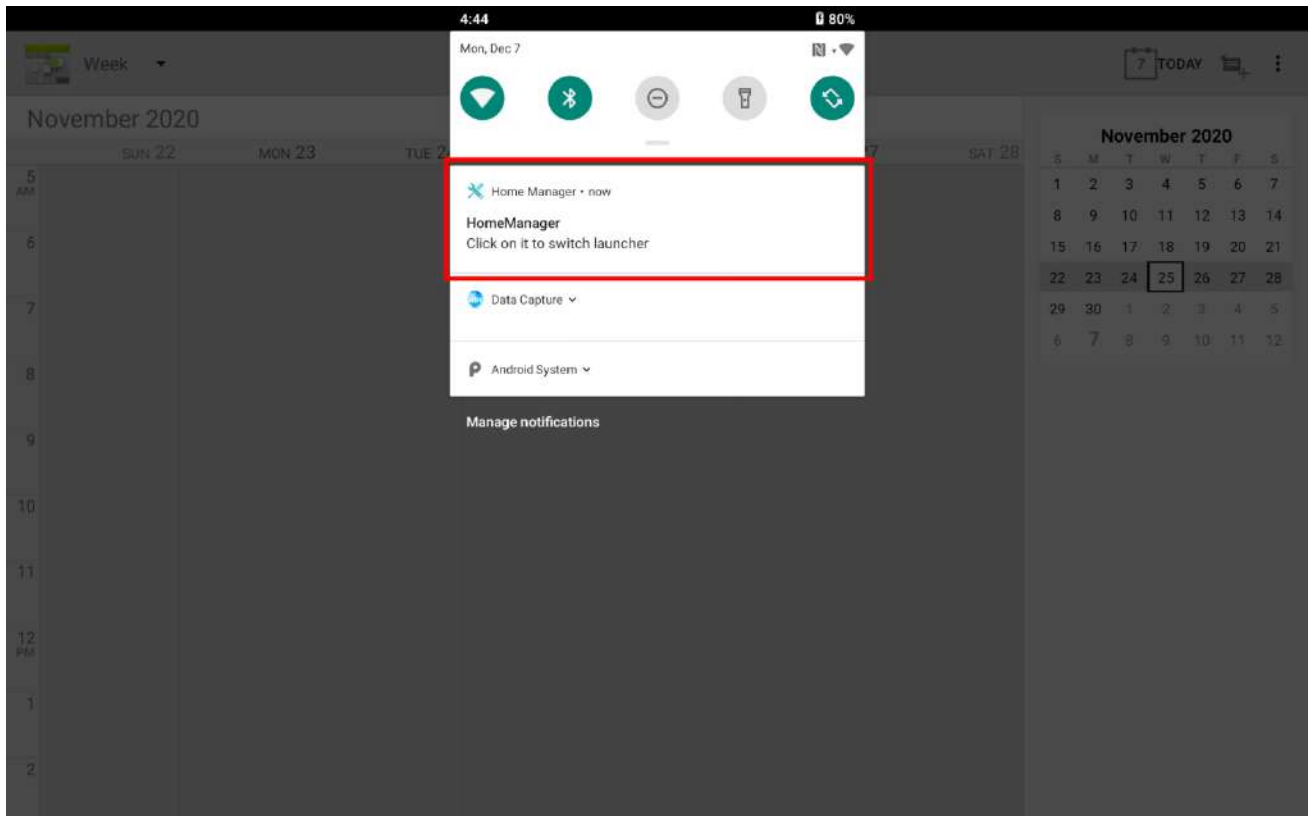
The system will automatically start the application which you selected and lock it.

Any time you press home key or back key, the system will go back to the same application which you have selected.

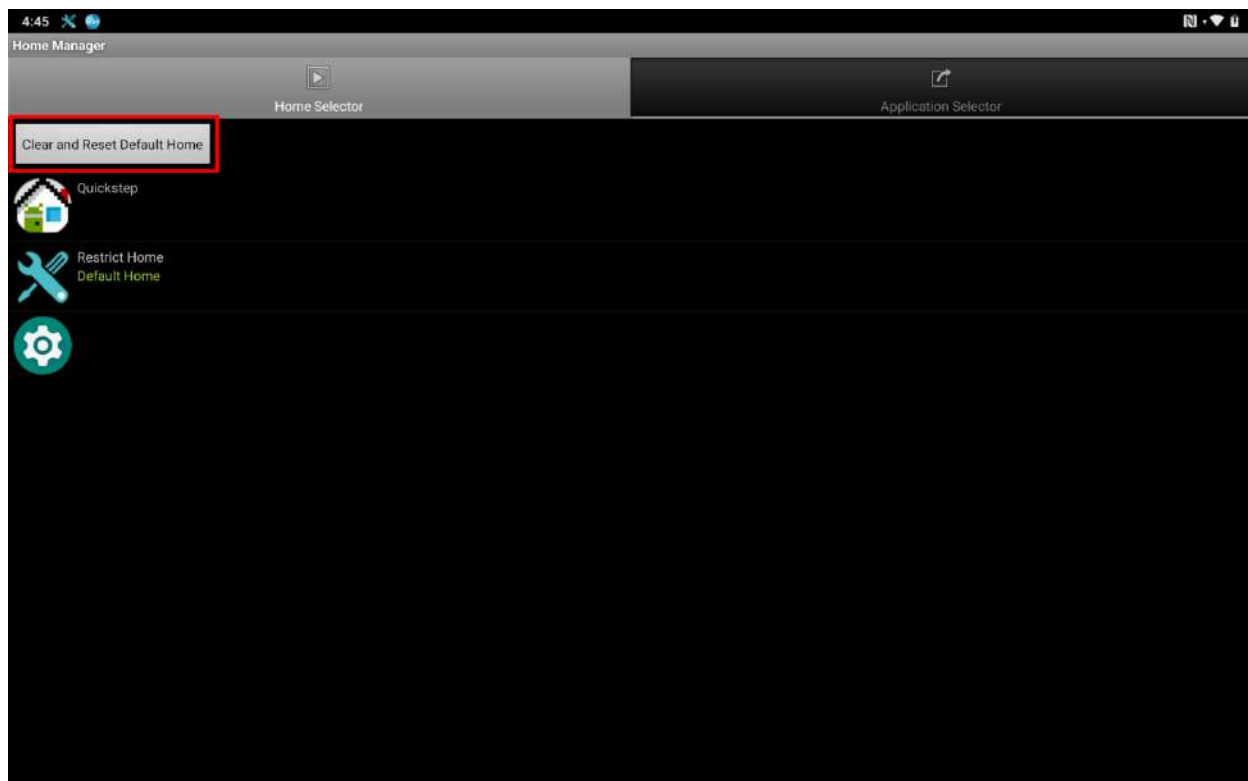


3.2 How to Unlock Applications

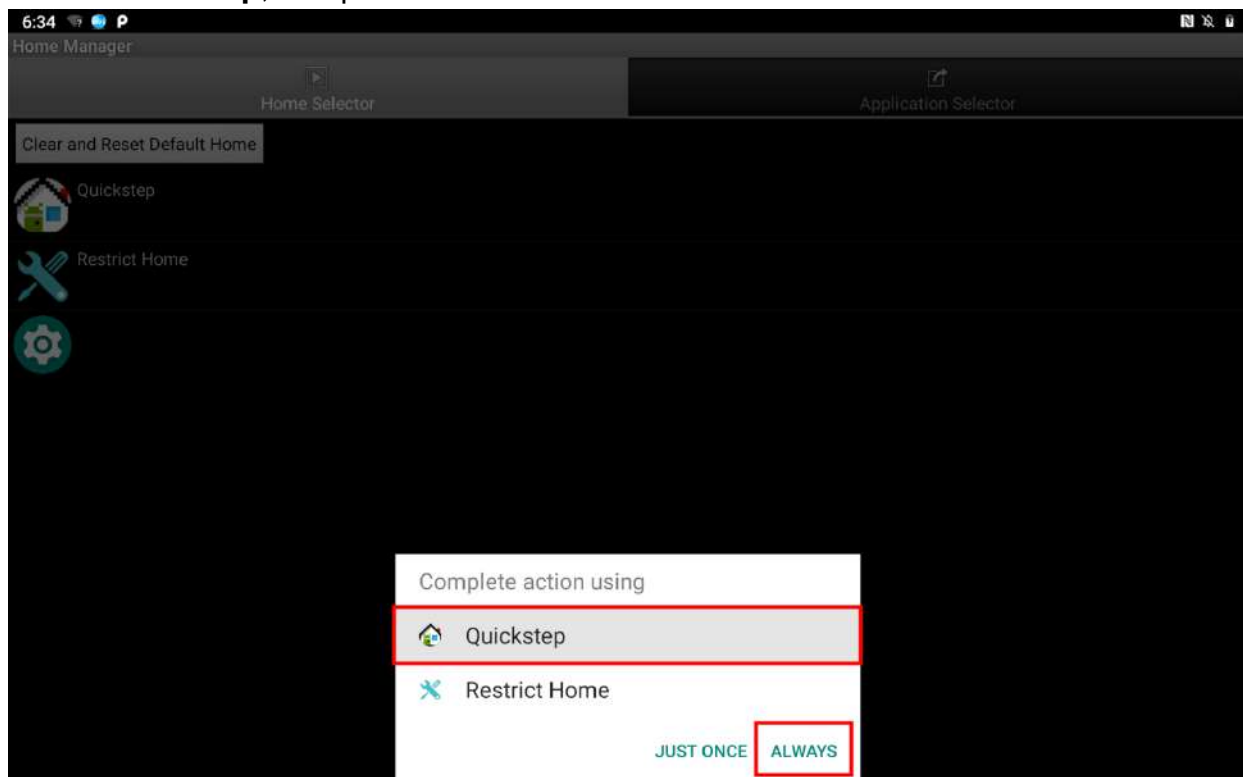
1. Slide down the top bar and press **“Home Manager”** icon then you can find the menu and please enter the password to login (The default password is **“0000”**). Press **Ok**.



2. Go back to “**Home Selector**” and press “**Clear and Reset Default Home**”.

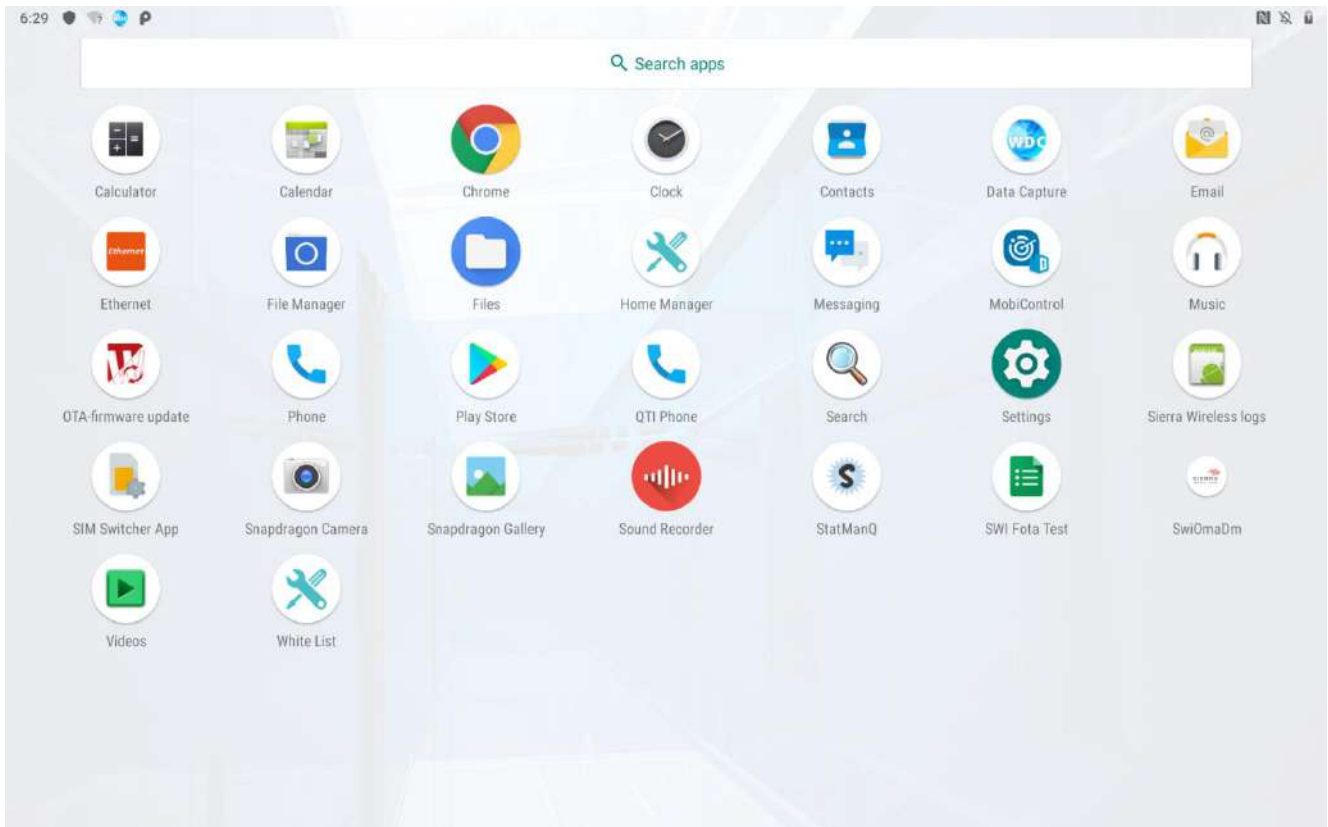


3. Select **Quickstep**, and press **ALWAYS**.



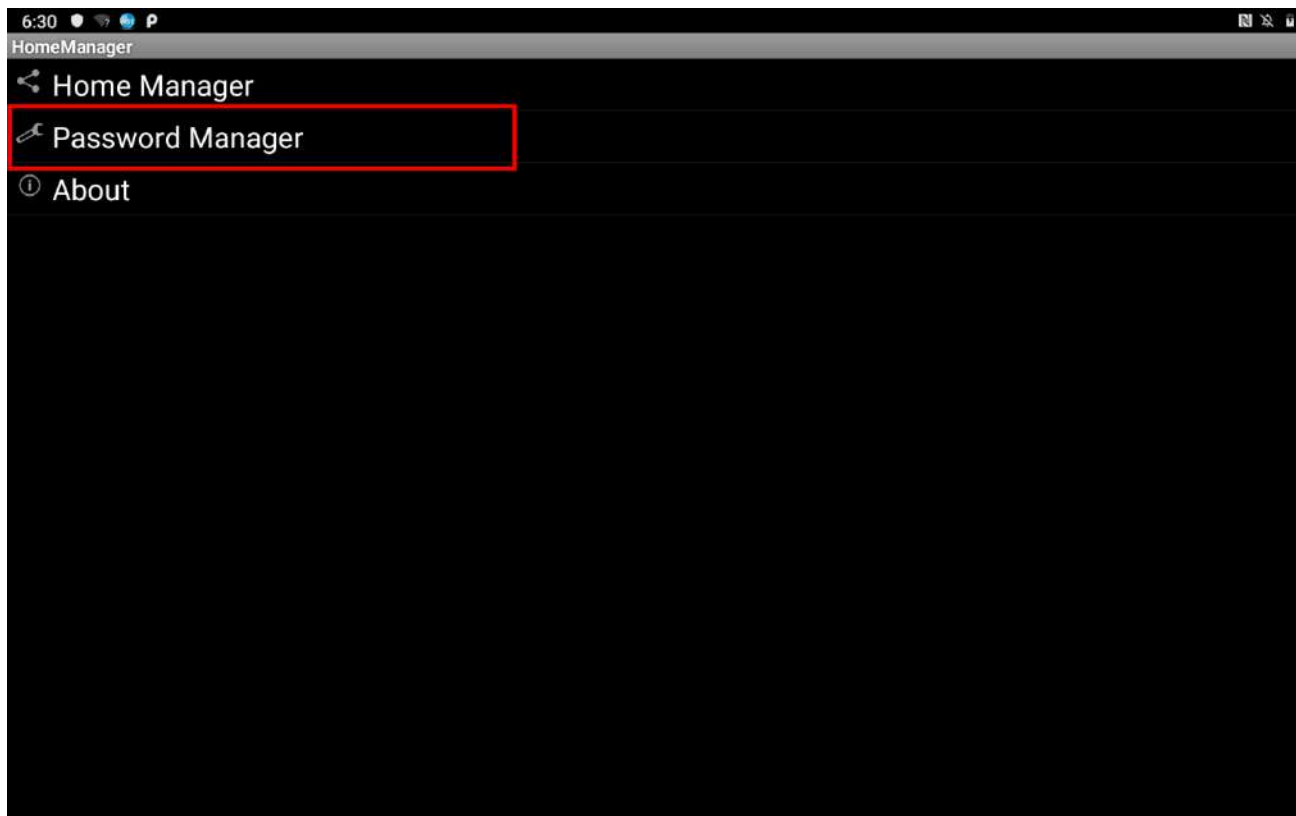
- 4.

5. Restart the system and you will go back to the normal Launcher.

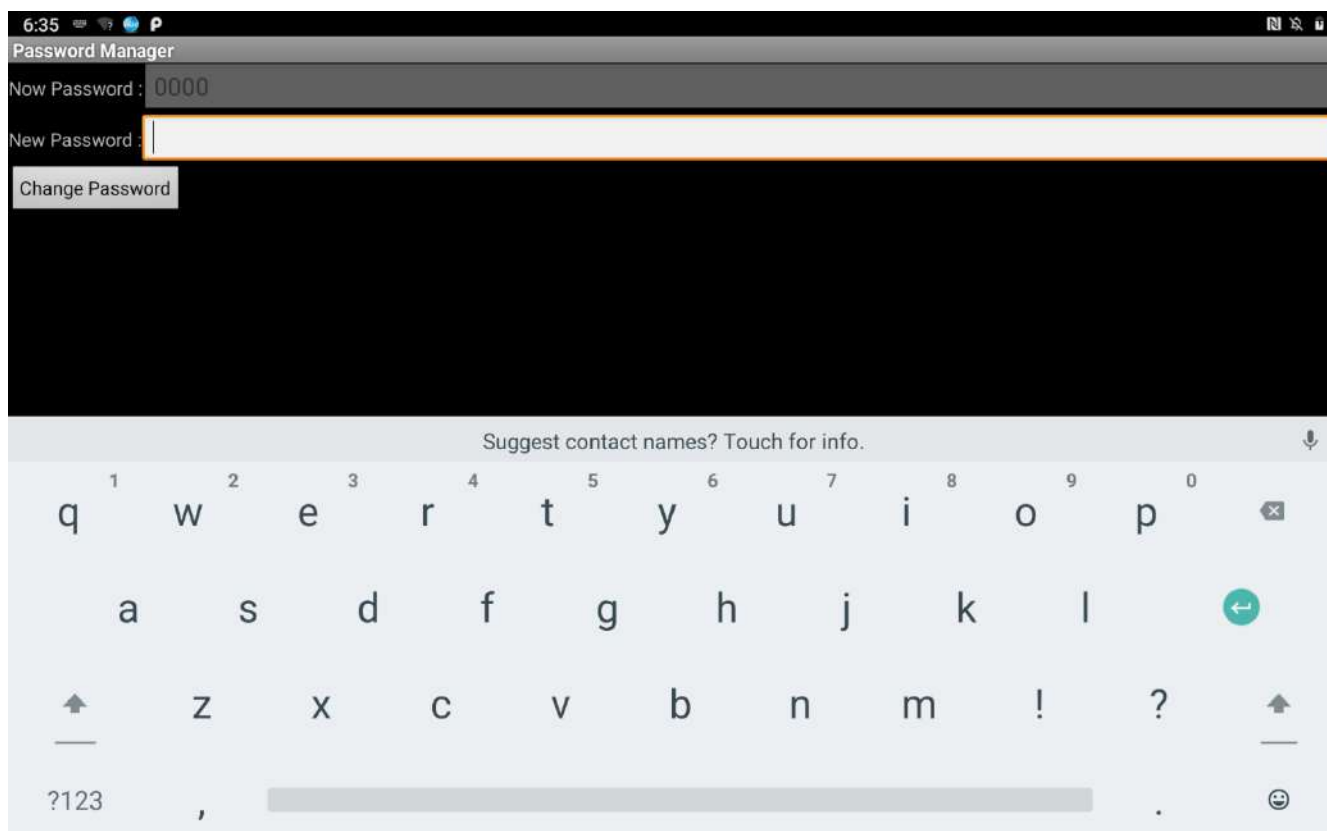


3.3 How to Change Password

1. In the main APPS window, select the **Home Manager** . Select **Password Manager** to start your settings.



2. The default password is **“0000”** . Enter a new password in **New Password field**, and then tap **Change Password**.



Chapter 4: Networks and Wireless Devices

This chapter explains how to connect the M101Q8-ME Series Rugged Tablet to network and peripheral devices.



4.1 Connecting to Mobile Networks

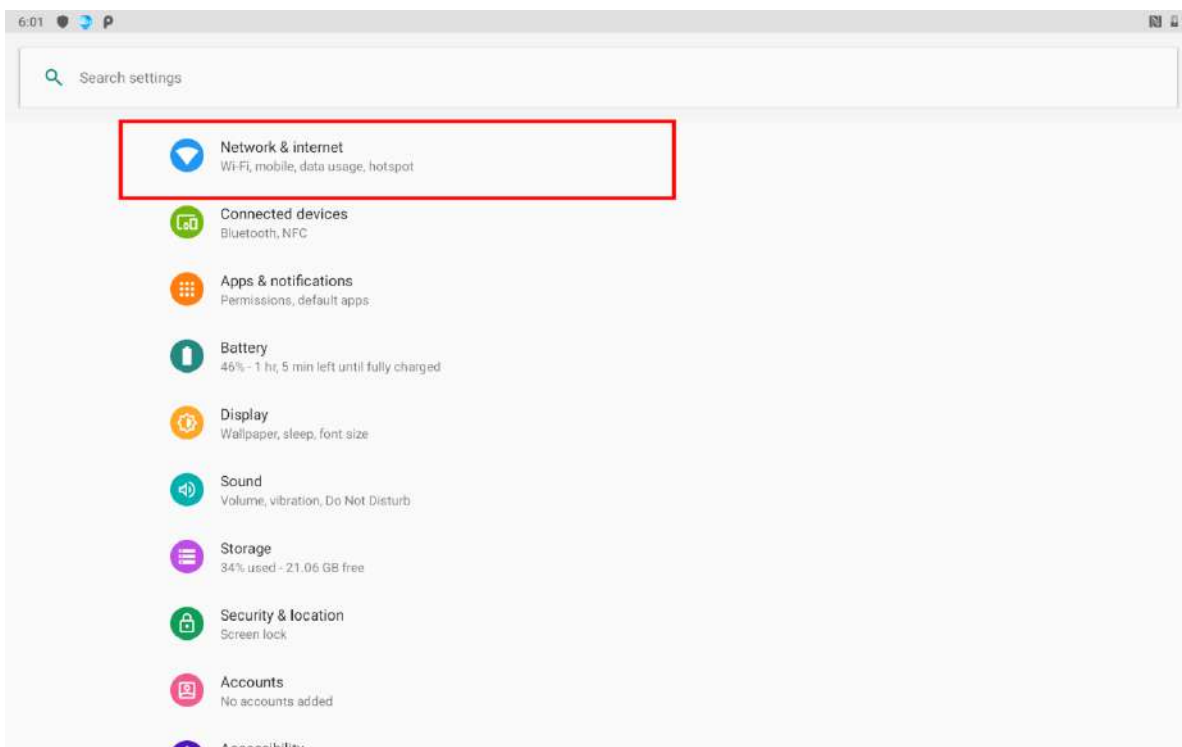
When users install a SIM card from service provider to the M101Q8-ME Series Rugged Tablet, the device is configured to use the provider's networks for voice calls and for transmitting data. Different locations may have different mobile networks available; user may need to configure M101Q8-ME to use certain networks.



Note: To obtain faster networks configure the device to 4G. To extend the life of battery user can use 2G network.

4.1.1 Checking the Network (GPRS/3G/4G) Connection

1. Swipe from the bottom of the main desktop, tap **Settings** .
2. Tap **Network & Internet** , and then tap **Mobile networks**.



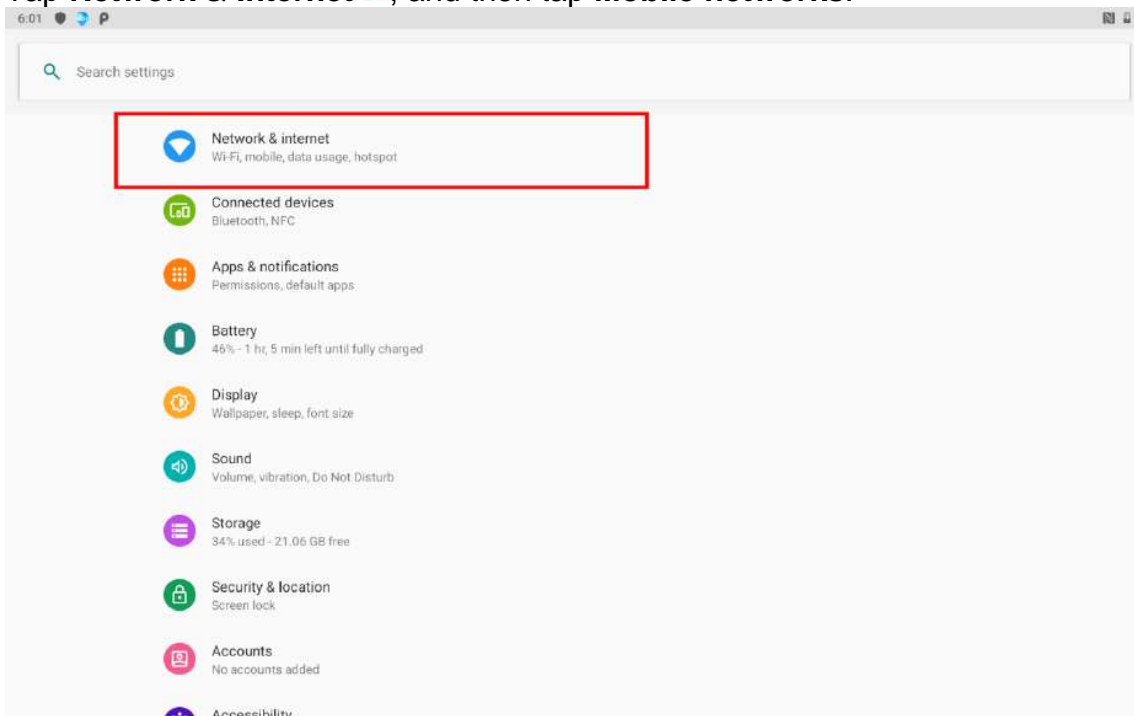
3. Tap **3G/4G Service** to check the network connection.



Important: Do not change the parameters of the access point to prevent inability to access network sources.

4.1.2 Turning on Data Service

1. Swipe from the bottom of the main desktop, tap **Settings** ⚙️.
2. Tap **Network & Internet** 📶, and then tap **Mobile networks**.

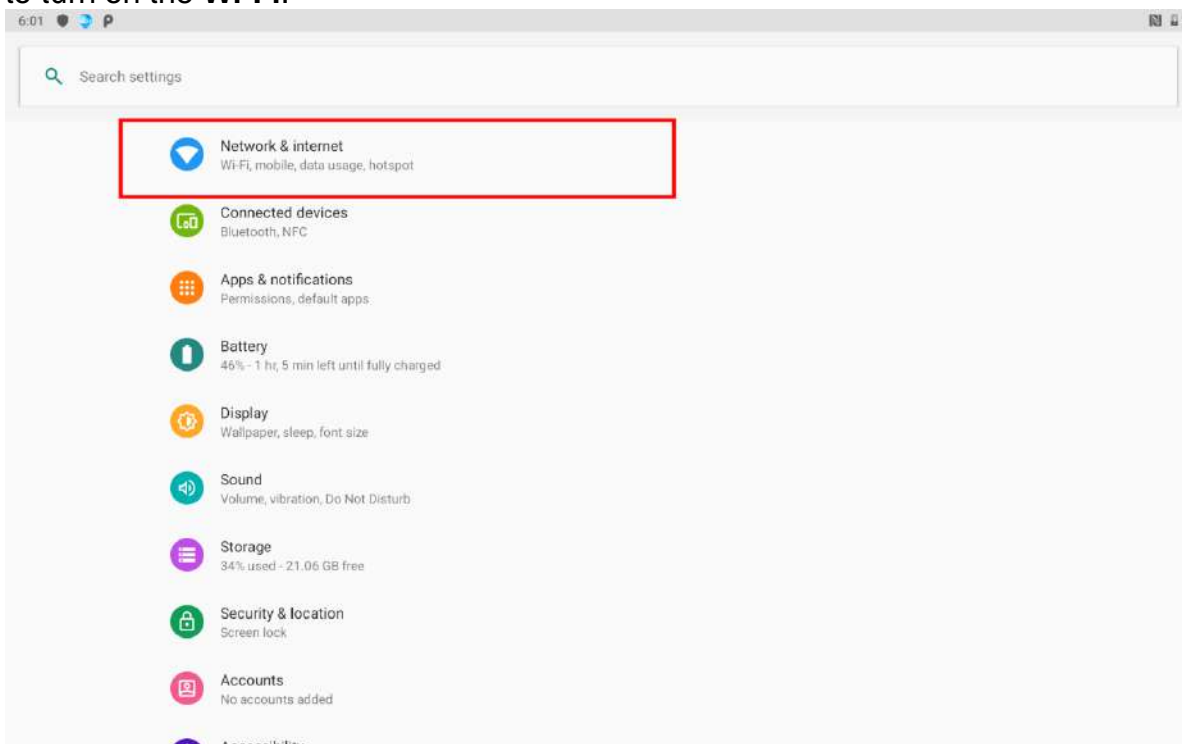


3. Tap **Mobile Data**.

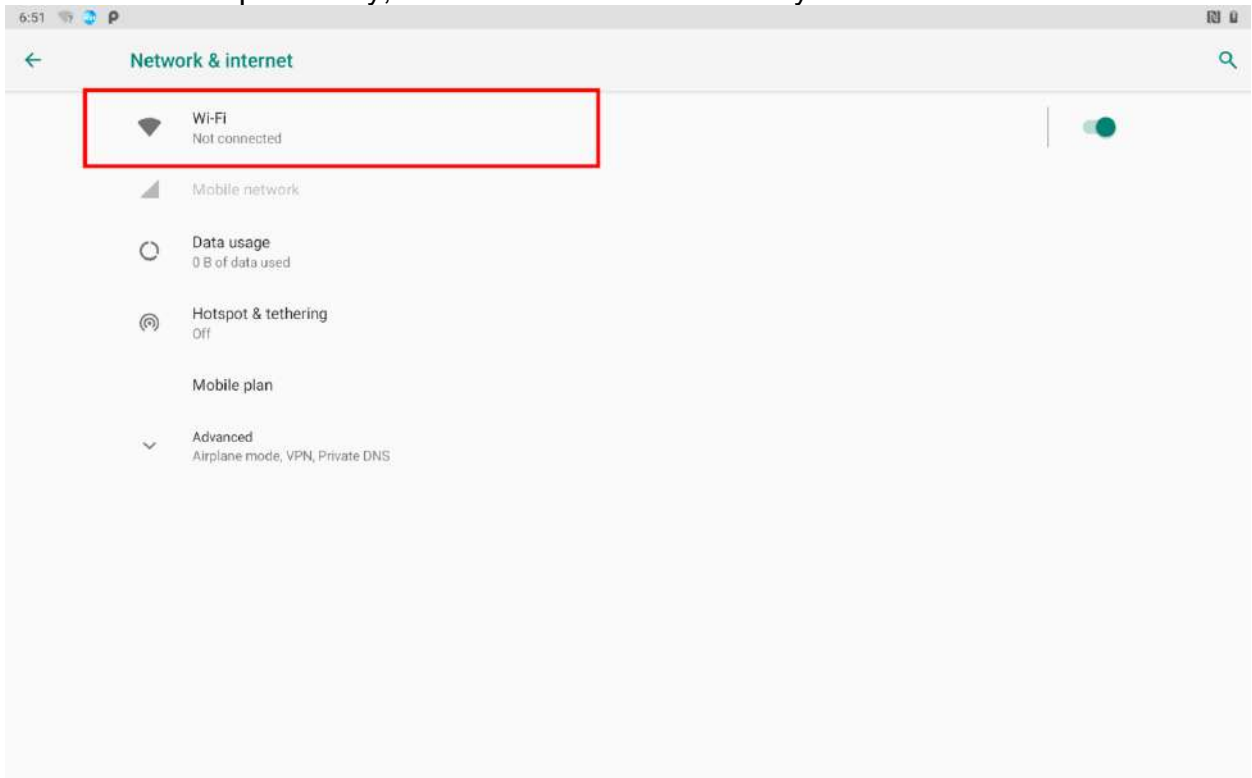
4.2 Connecting to Wi-Fi Networks

4.2.1 Turning on Wi-Fi and Connecting to Wi-Fi Networks

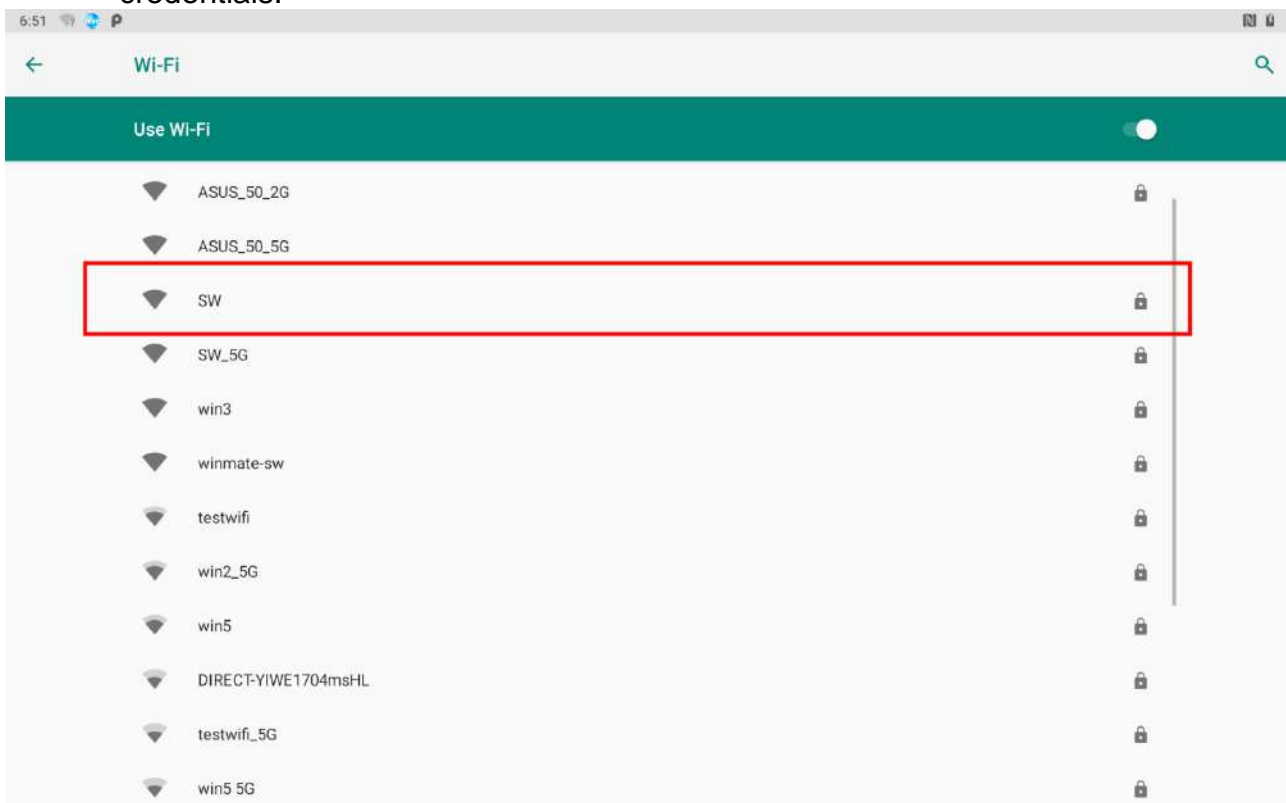
1. Swipe from the bottom of the main desktop, tap **Settings** ⚙️.
2. Tap **Network & Internet** 📶 and then toggle the on/off switch on the top-right hand side to turn on the **Wi-Fi**.



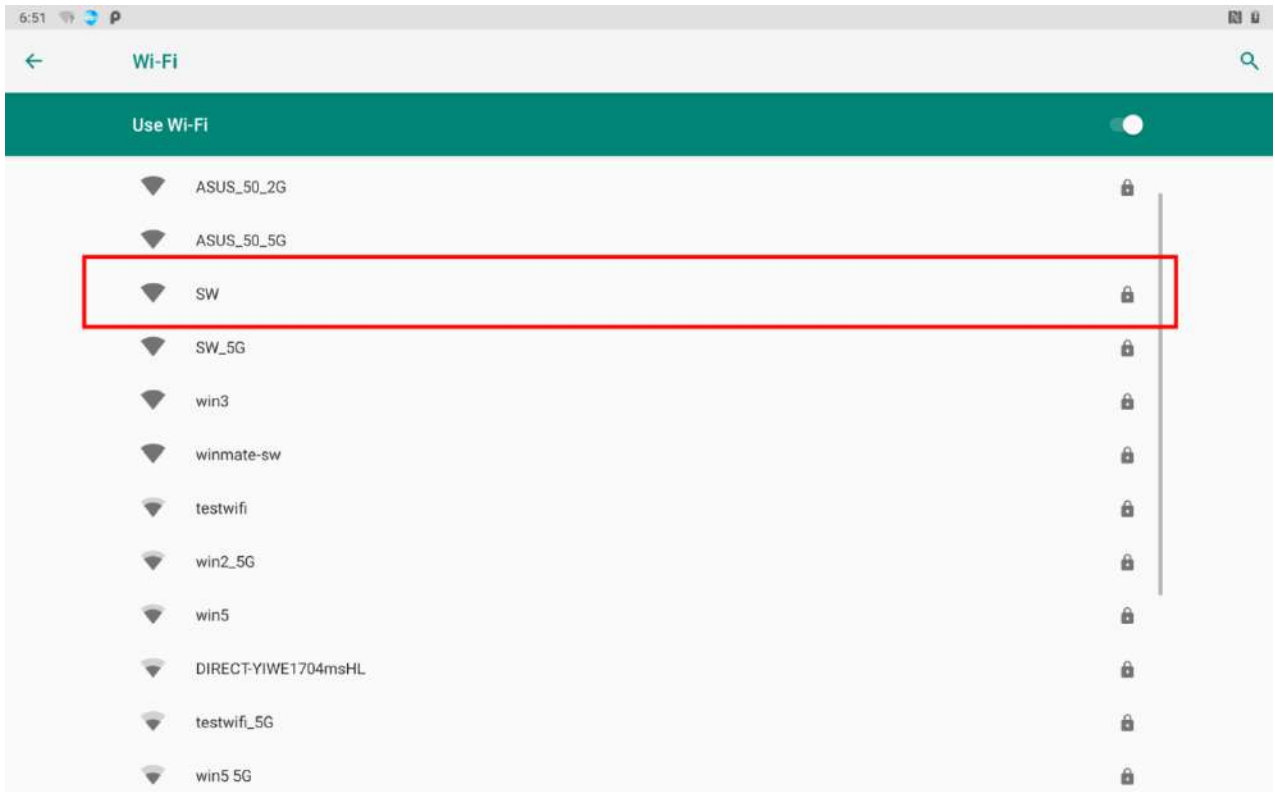
3. Tap **Wi-Fi** . The device scans for available Wi-Fi networks and displays the list of it. Secured networks are indicated with a lock icon. If the tablet finds a network that you have connected previously, it connects to it automatically.



4. Tap a network to connect to it:
 - If the network is open, you are prompted to confirm that you want to connect it by tapping **Connect**.
 - If the network is secured, users are prompted to enter a password or other credentials.

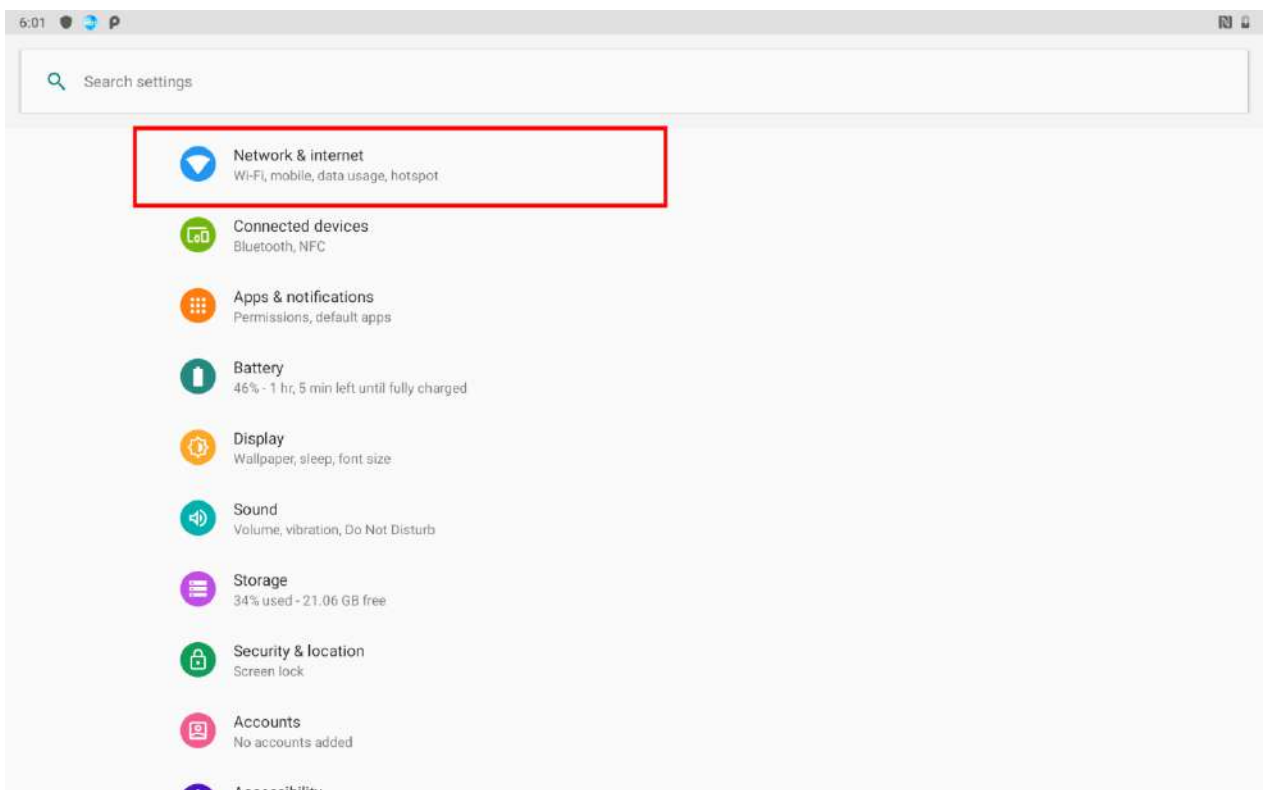


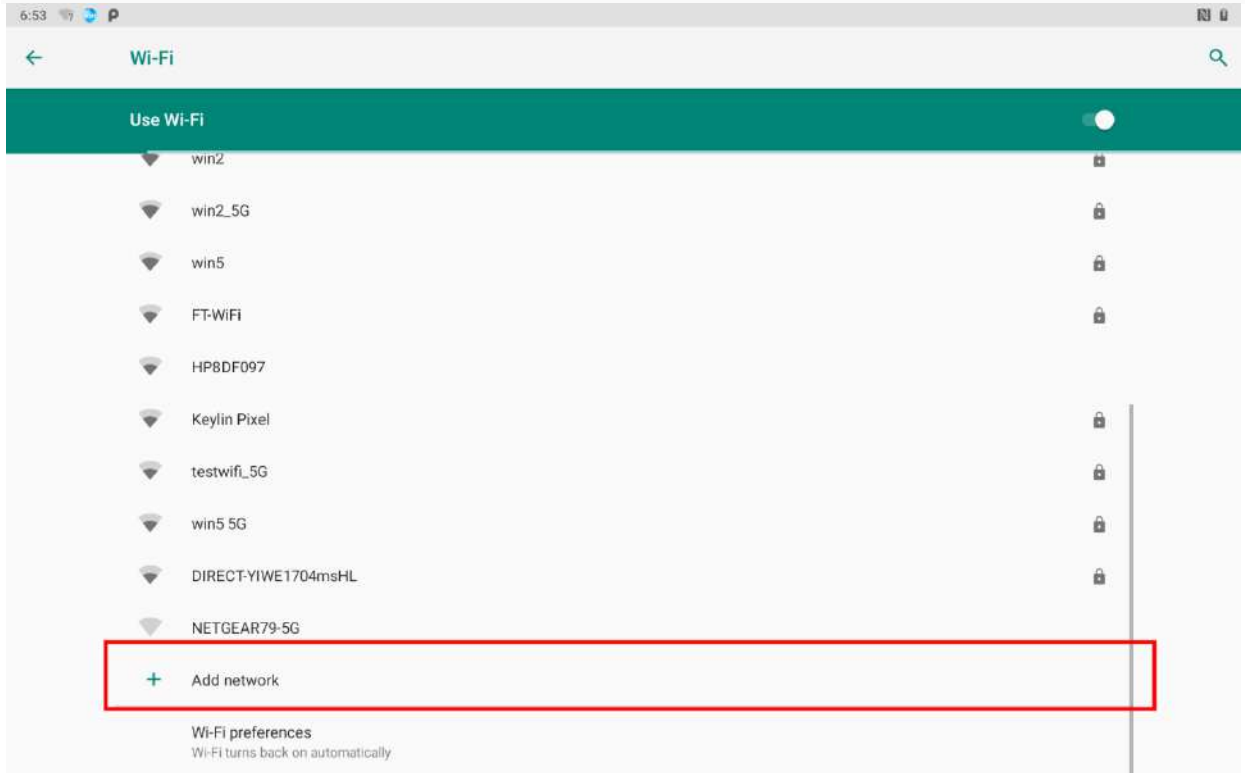
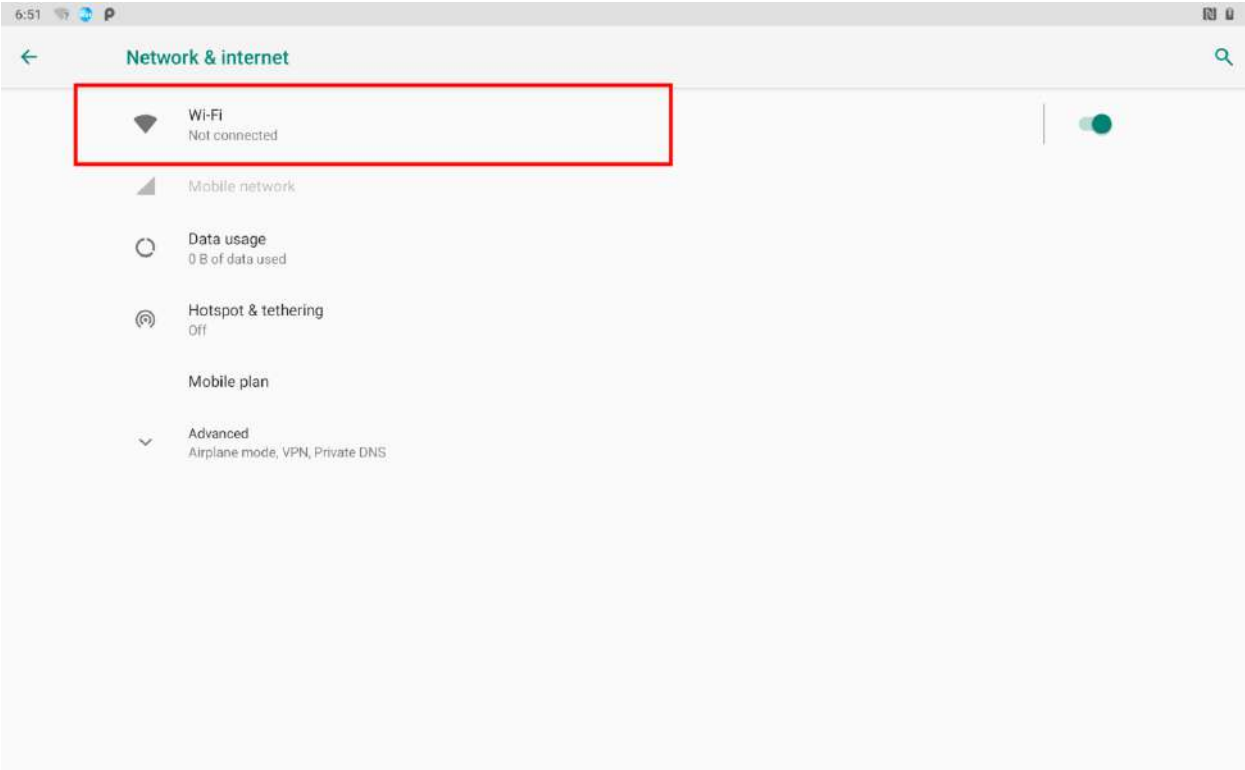
- To check the details about the speed, security, address and related settings, tap its name in the Wi-Fi settings screen.



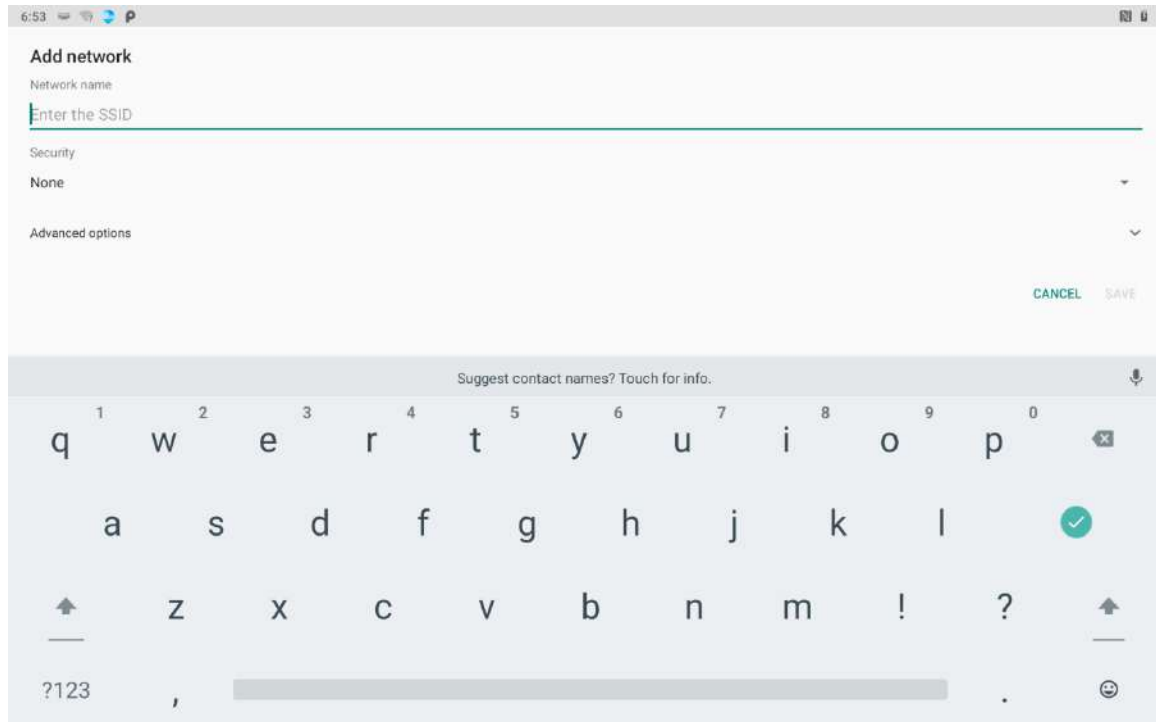
4.2.2 Adding Wi-Fi Network

- Turn on Wi-Fi, in the Wi-Fi settings screen, tap **+ Add network** (at the bottom of the list of discovered networks).







2. Input the SSID (name) of the network, if the network is secured, tap the security menu and then tap the type of security deployed on the network.

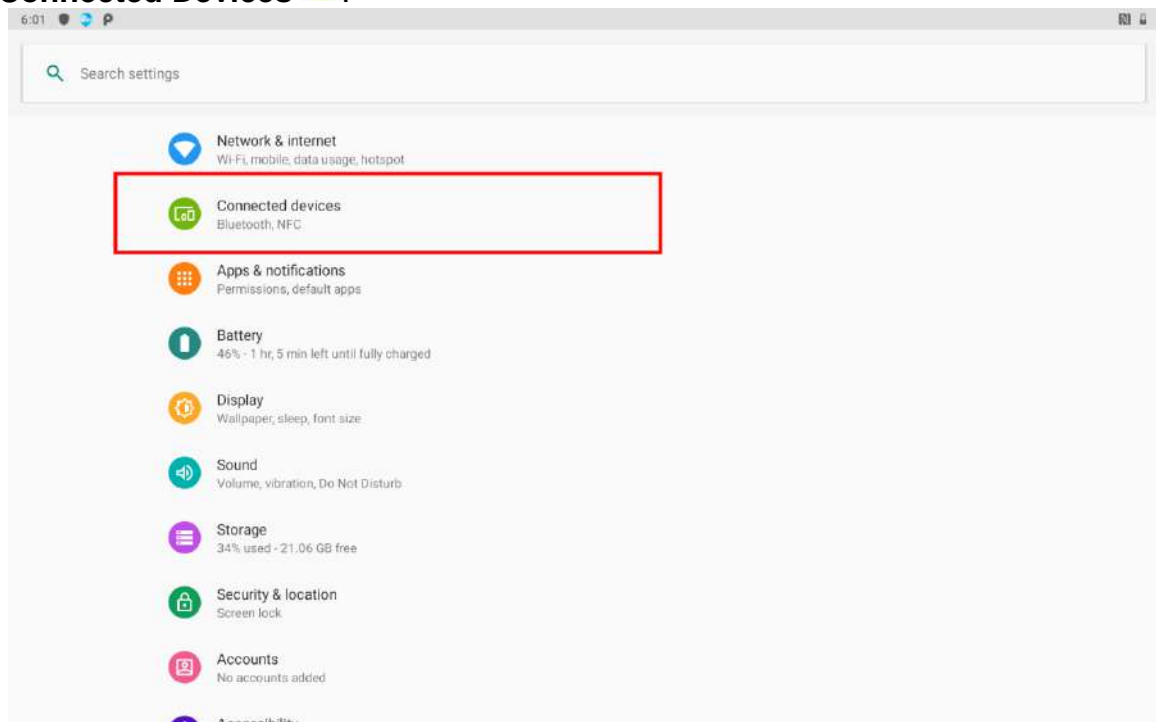


3. Enter any required security credentials.
4. Tap **Save**.

4.3 Connecting to BT Devices



4.3.1 Turning BT On or Off

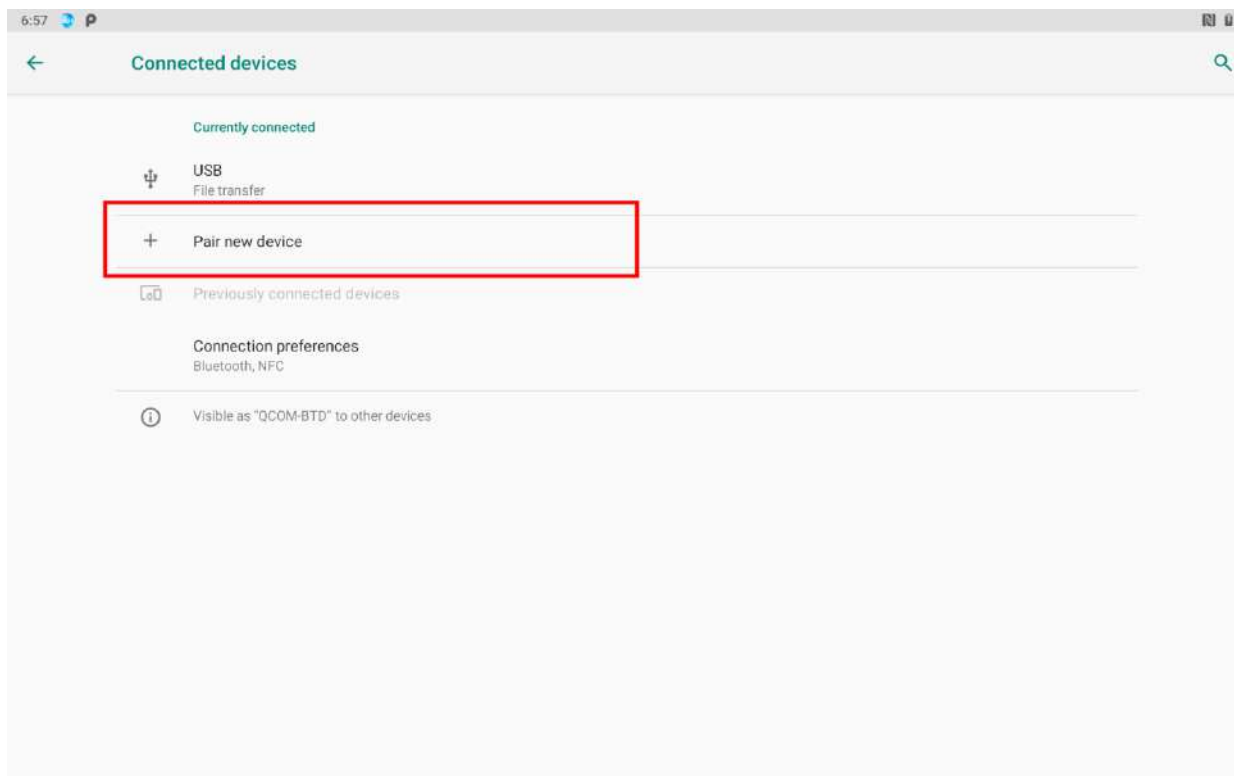
1. Swipe from the bottom of the main desktop, tap **Settings** .
2. Tap **Connected Devices** .



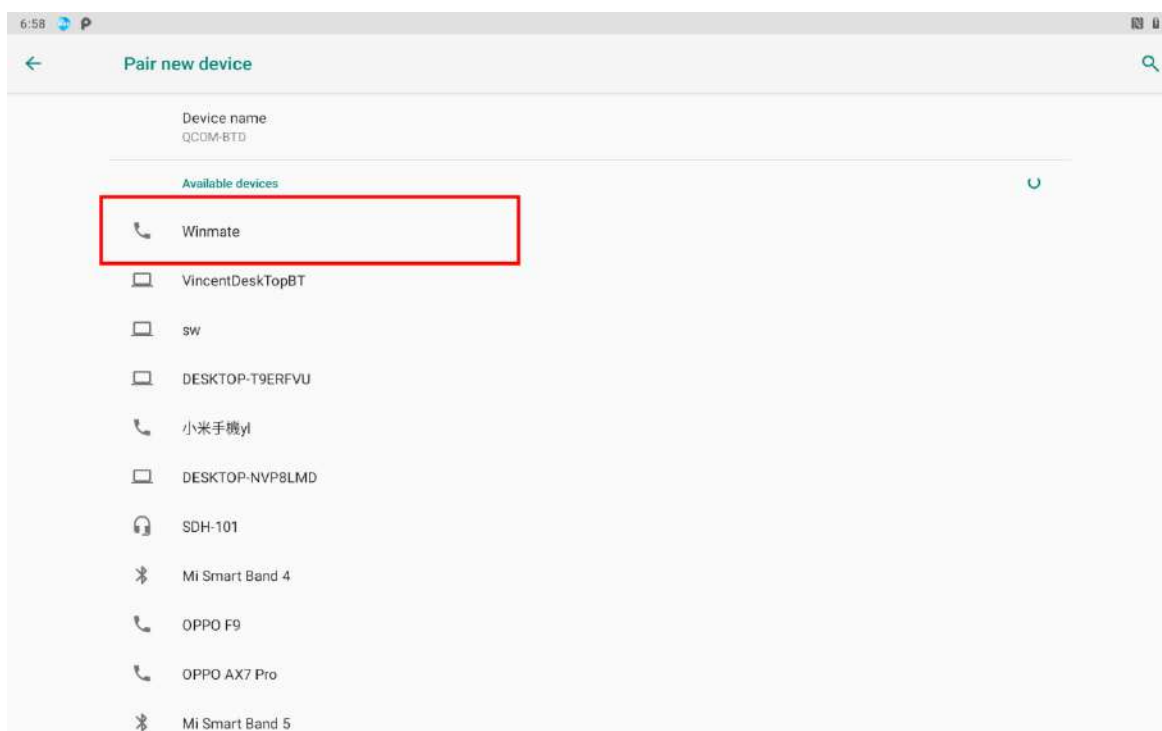
3. Toggle the on/off switch on the top-right hand side to turn on the BT.

4.3.2 Connecting the BT Device

1. Swipe from the bottom of the main desktop, tap **Settings** .
2. Tap **Connected Devices** .
3. Tap **Pair new device**. The system will automatically scan and display the IDs of all available BT device in range

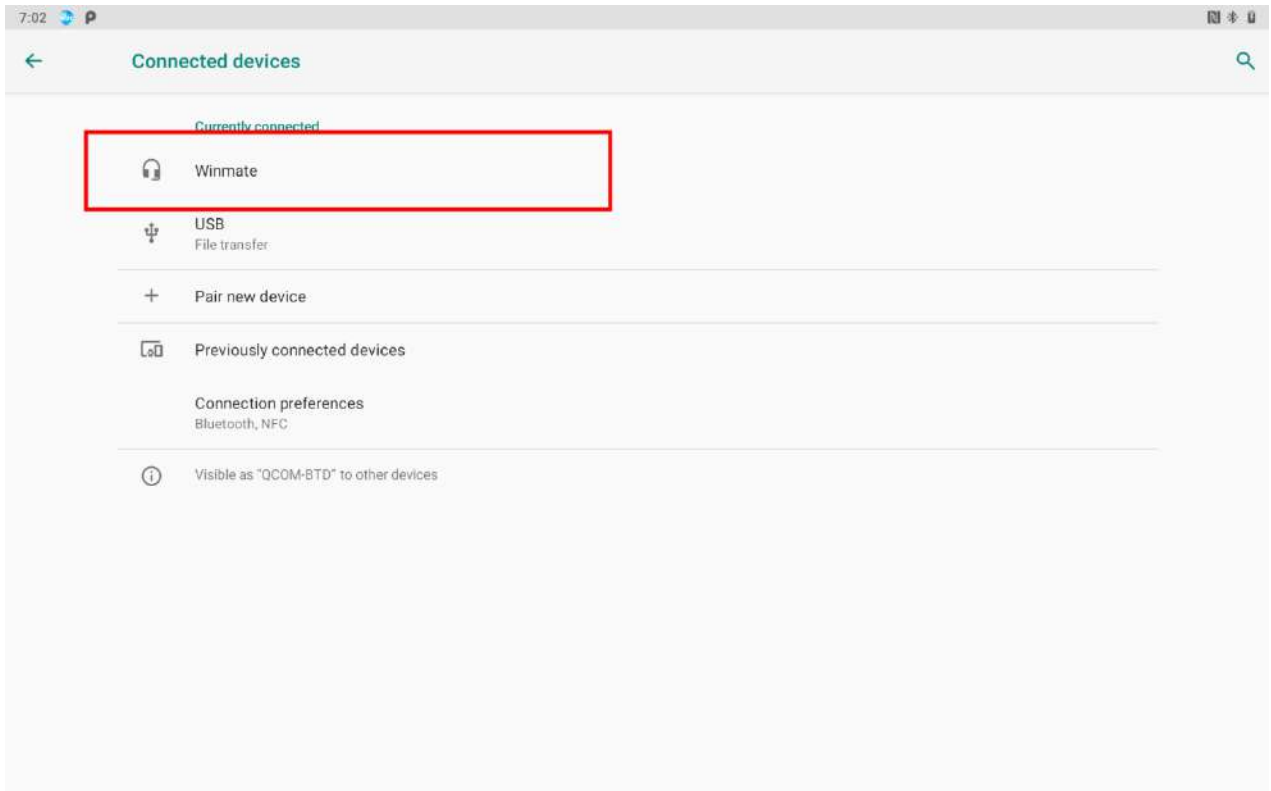


4. Select the device to be paired.

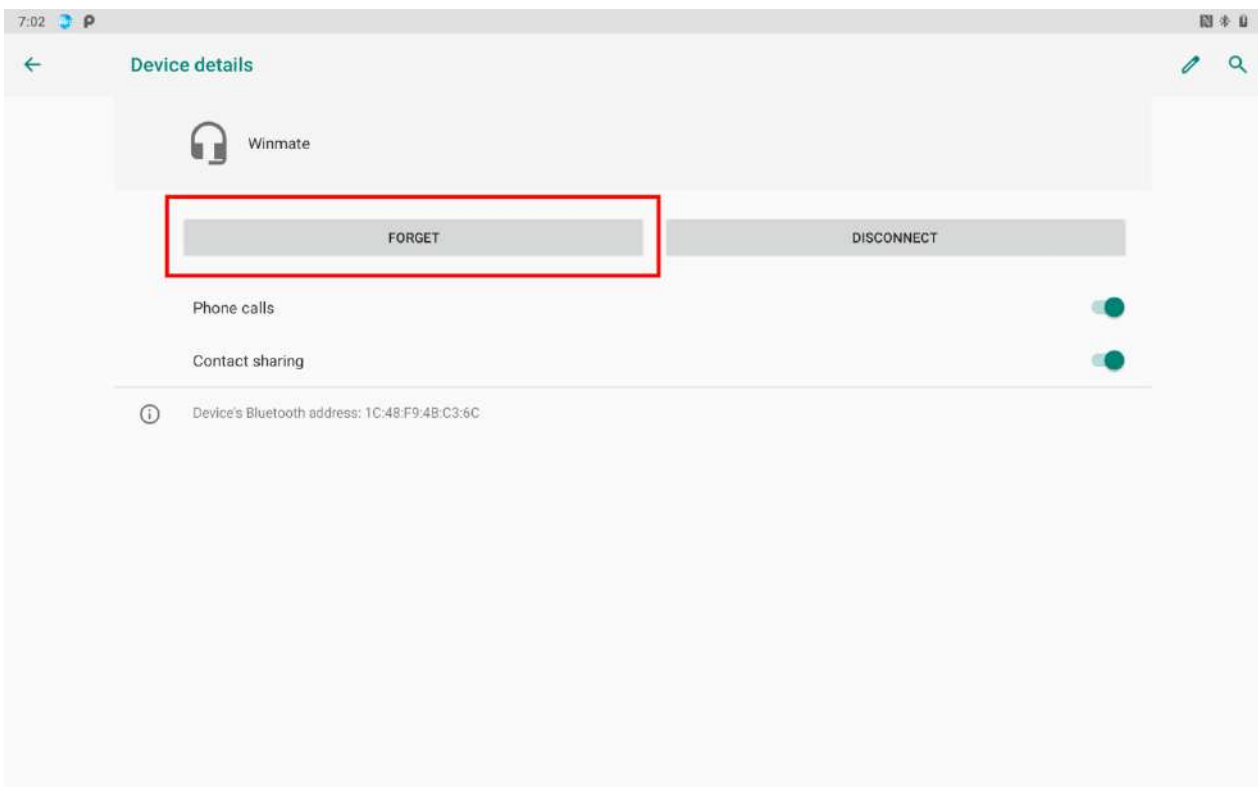


4.3.3 Disconnecting BT Device

1. Tap the device in the **BT** settings screen.



2. Tap **FORGET** to disconnect.




4.4 Connecting to Computer via USB

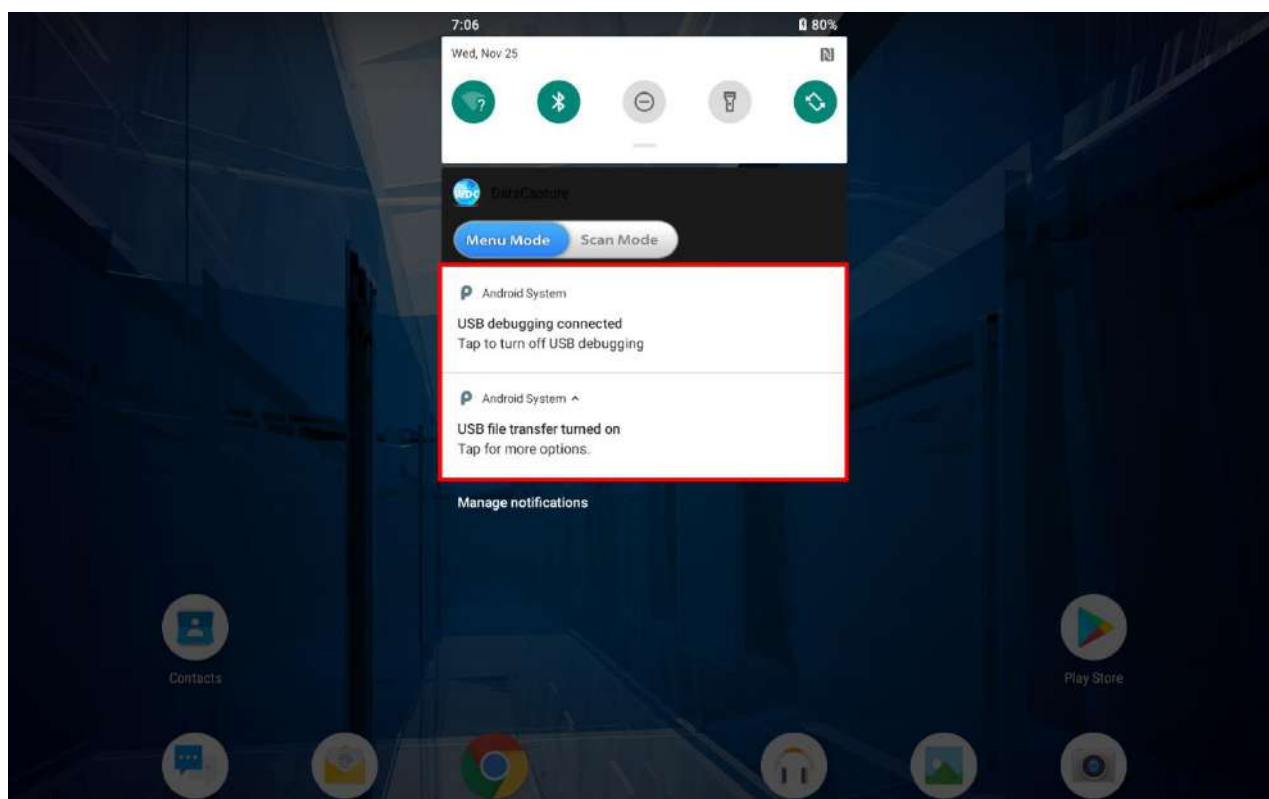
User can connect their tablet to a computer with USB cable to transfer files between tablet and computer.



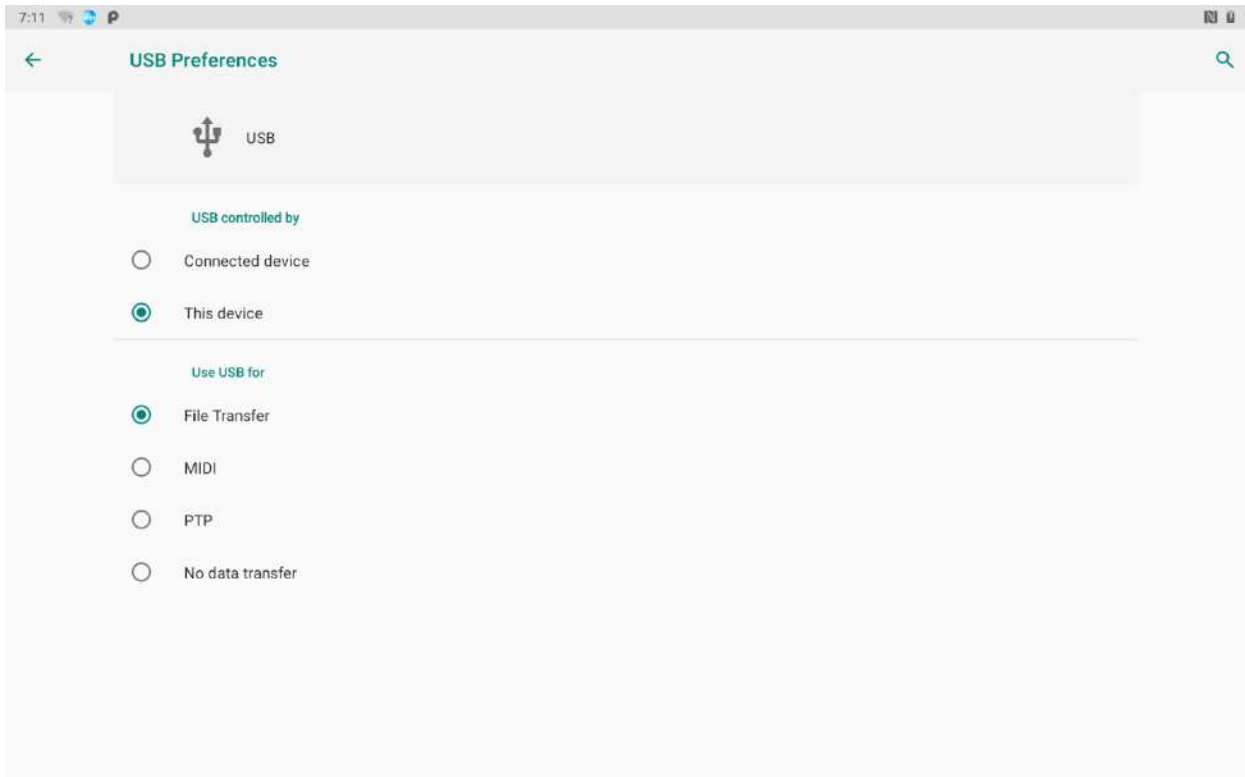
Important: When connecting your tablet to a computer and inserting its USB storage or SD card, user must follow the computer's instructions for connecting and disconnecting USB device, to avoid damaging or corrupting files. Notice that the M101Q8-ME Series Rugged Tablet cannot be charged via USB.

4.4.1 USB Computer Connection

1. Connect tablet to the computer via USB connector.
2. Pull down the notification area to open notification panel, tap **Android System** .





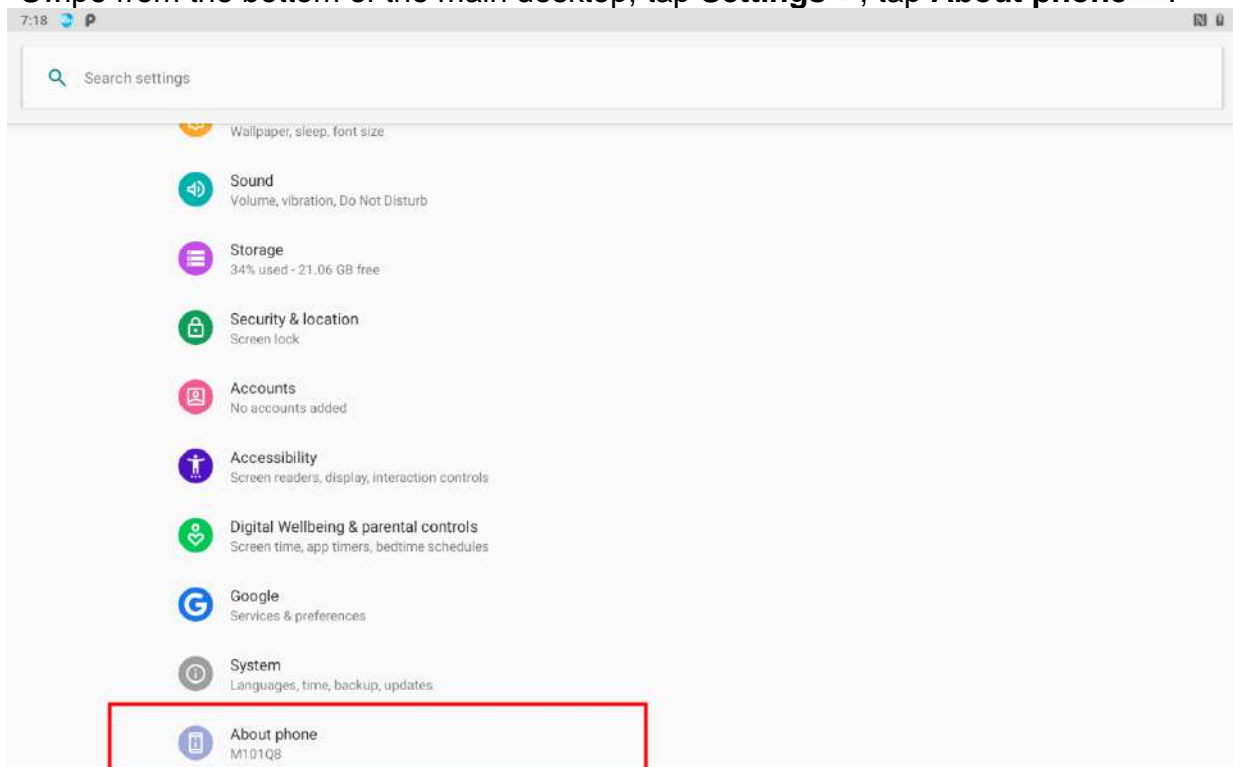
3. In the **USB Preferences** choose the type of USB connection.
 - **File Transfer** – let user transfers files between computer and tablet.
 - **PTP** – let users transfer photos or media files if MTP is not supported.
 - **MIDI** – let users use device as MIDI.
 - **No data transfer**– disable data transfer.



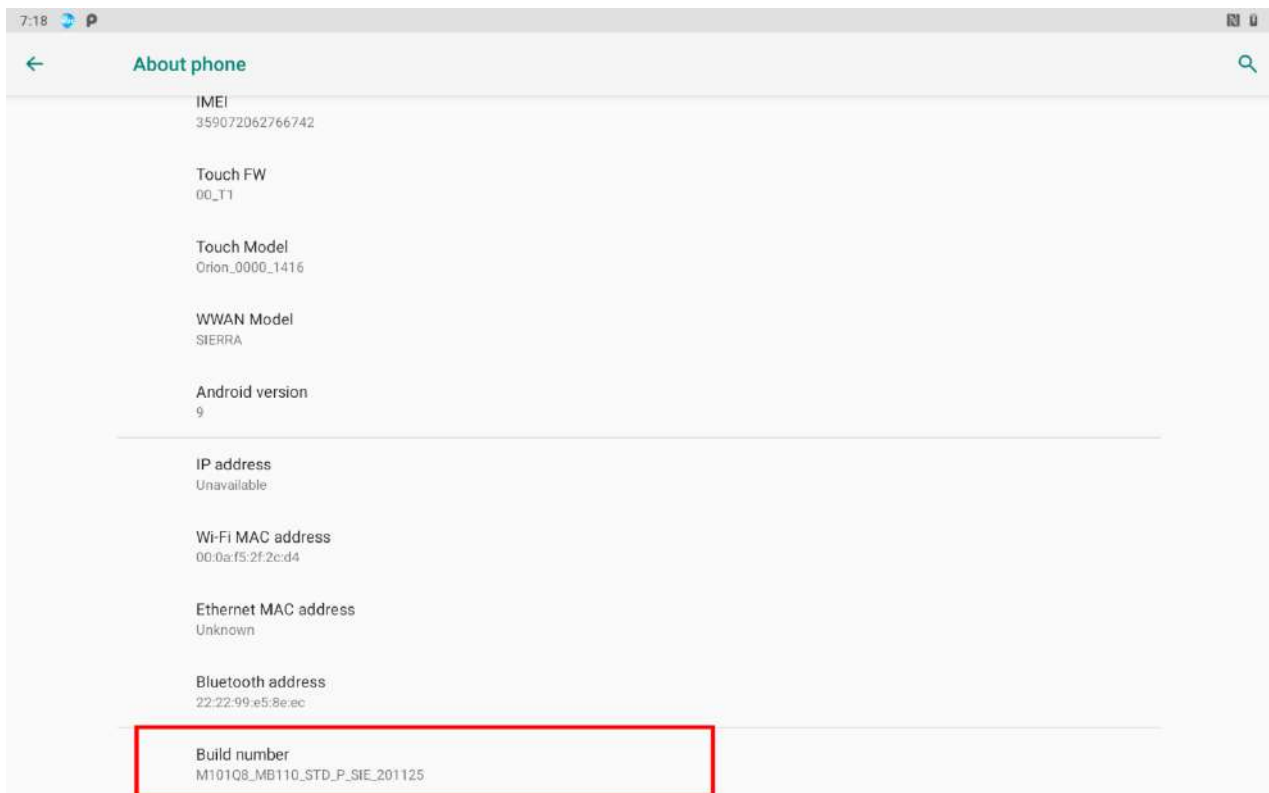
4.4.2 USB Debugging Settings

To permit debugging tools on a computer to communicate with User's tablet via USB Connection.

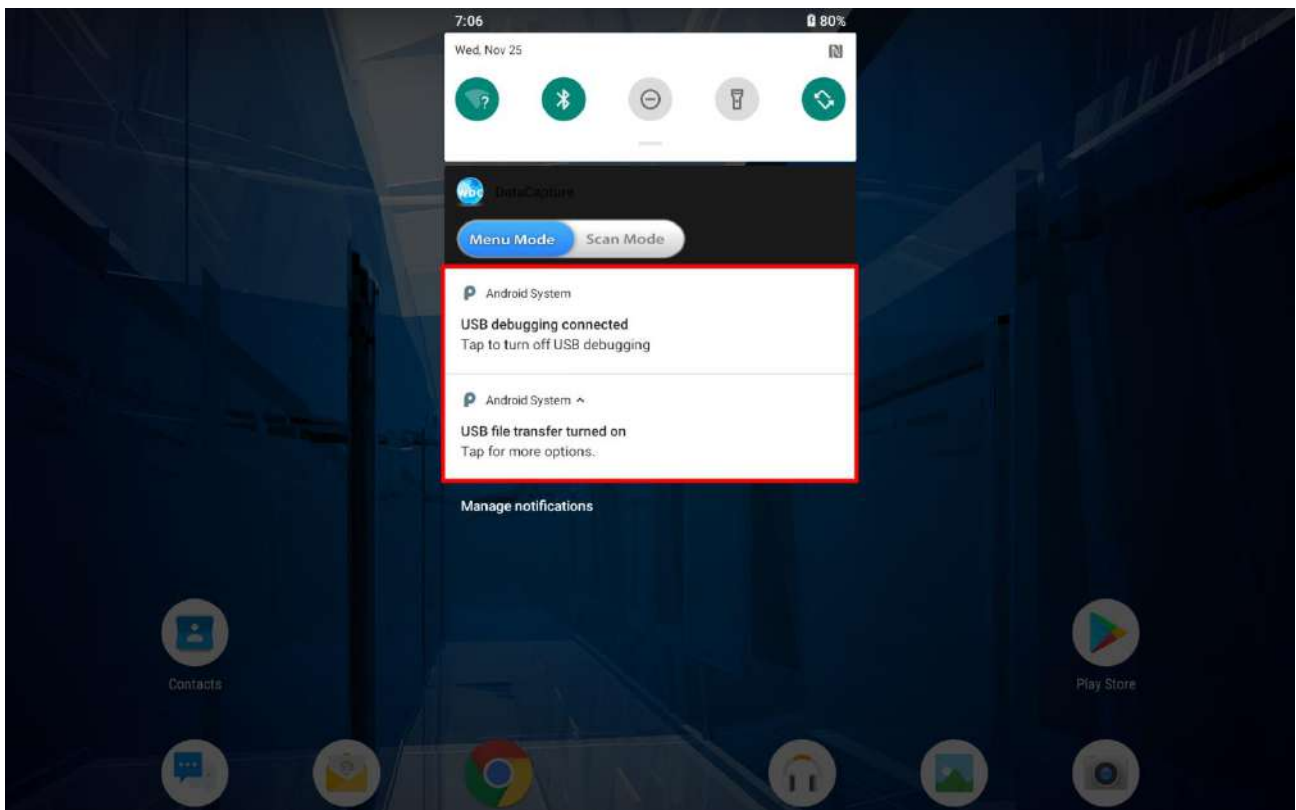
1. Connect tablet to the computer via USB cable.
2. Swipe from the bottom of the main desktop, tap **Settings** , tap **About phone** .



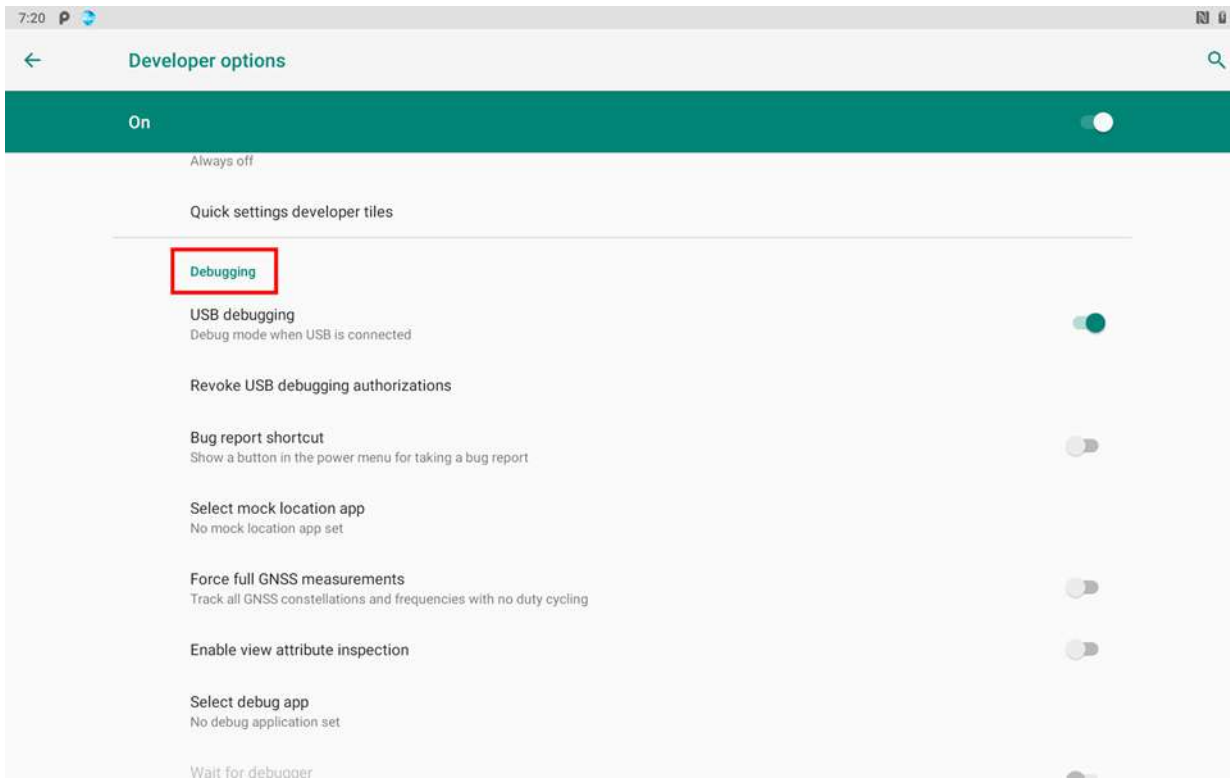
3. Tap **Build number**.



4. Pull down the screen to open notification panel. Tap **USB debugging connected**.



5. In the **Developer options** user can choose the action to perform.



Important: Carefully follow your computer's instructions to un-mount the USB storage or SD card. Disconnect USB device not properly can cause a loss of important data or information.

Chapter 5: Using Camera


This chapter explains how to use camera to capture photos and videos.



5.1 Capturing Photos or Video

Winmate® M101Q8-ME Series Rugged Tablet is equipped with a 13 MP Camera on the rear side and an 8 MP Camera on the front side, which user can use to capture photos or video.



5.1.1 Opening Camera

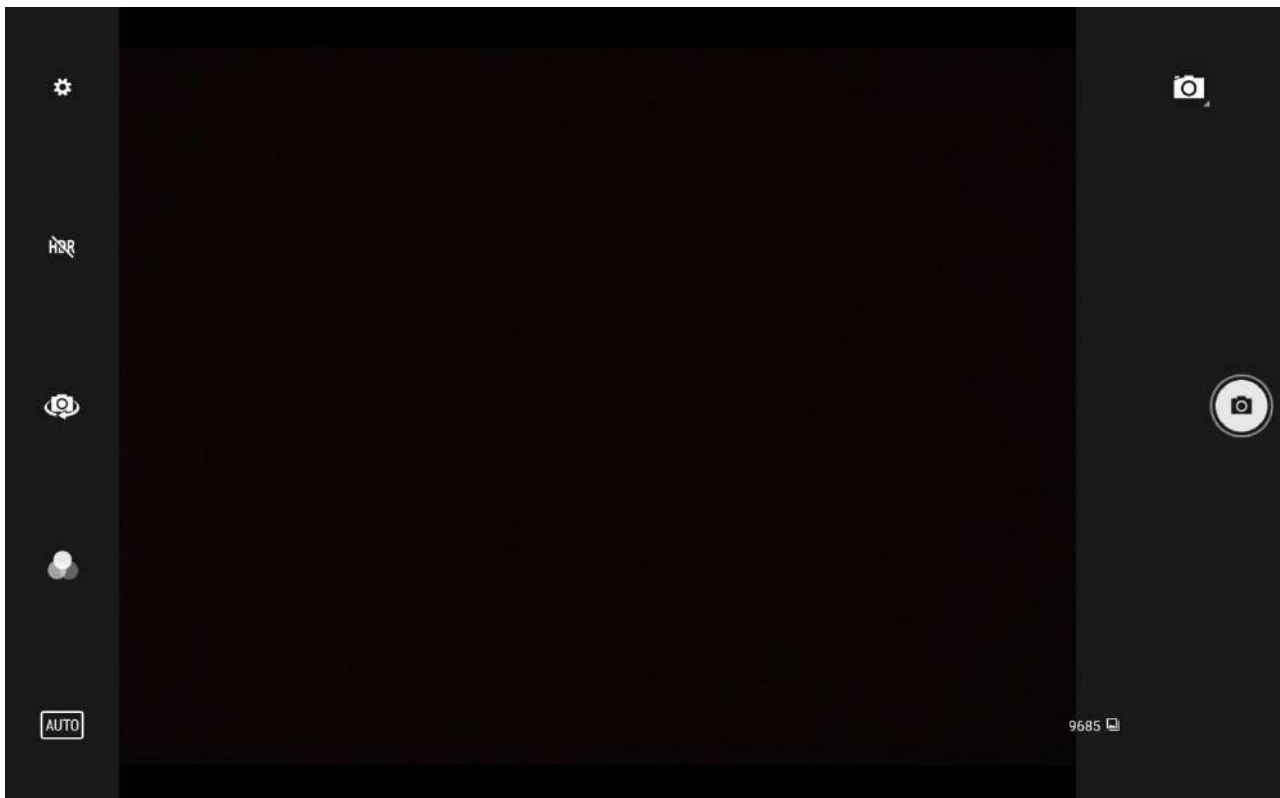
1. Tap the launcher and then tap **Camera** . Camera opens in Portrait mode, ready to take a picture or shoot a video.







Important: Make sure the protective lens cover is clean before taking pictures. A lens cover with smudges from fingers can cause blurry pictures.

5.1.2 Taking Pictures


1. Adjust the exposure, flash, and other necessary settings or leave it automatic.
2. Tap the On Screen Shutter icon .
3. The camera brings the image into focus, when the image is in focus, the focus indicators in each corner will turn green and ready to capture.
4. Tap  to change camera settings.




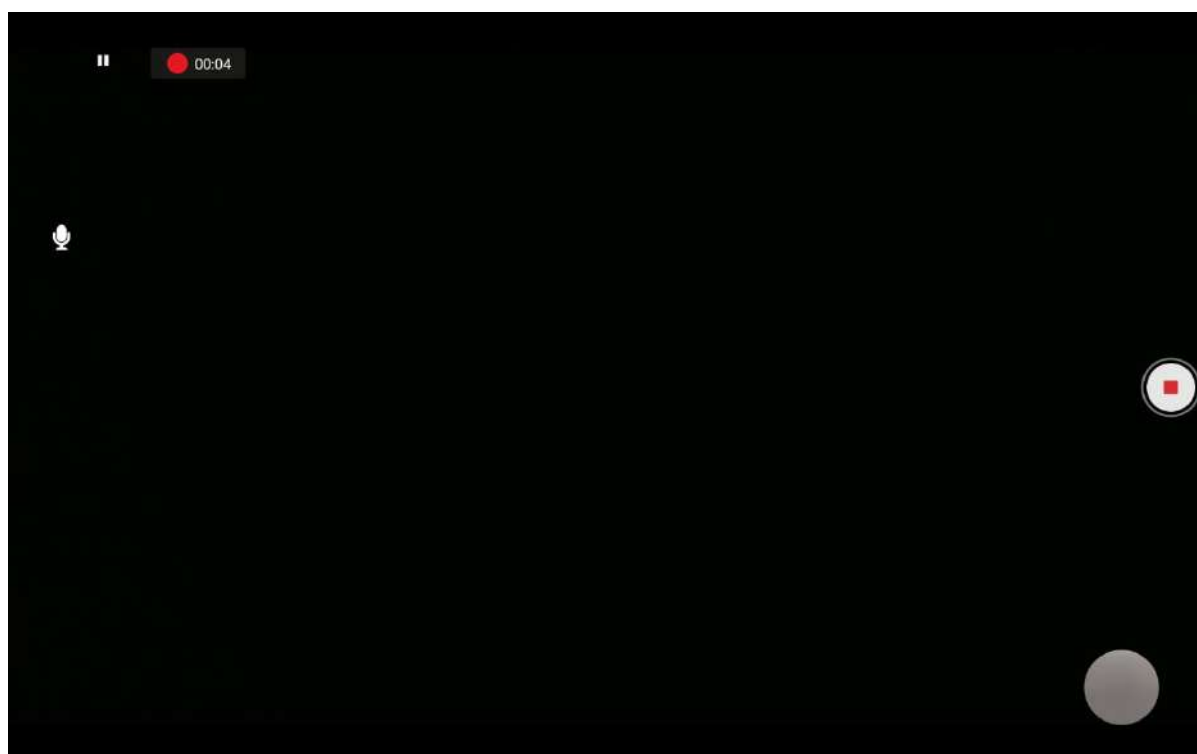
5.1.3 Viewing pictures

1. After taking a photo, a thumbnail of the picture is shown on the corner of the capture screen. Tap the thumbnail to view it.
2. Tap the onscreen button:
 -  to share a photo.
 -  to delete a photo.
 -  to edit the photo
 -  For more Camera options such as Details, Print.
3. Swipe right or left to view more photos.

5.1.4 Shooting Videos


1. Tap  to start recording video.
2. The countdown time remaining to shoot is located on the top; when the time left is less than a minute, the countdown turns red.
3. Point the lens to record the scene where you want to start.

Tap the  icon again to stop shooting.



The time remaining to shoot counts down at the left; when less than a minute is left, the countdown turns red.

5.2 The Gallery

1. Go to the launcher and then tap **Gallery** .
2. Tap a folder to view the pictures or video inside in full screen mode.
3. Flick the pictures left or right to view the previous or next picture.

Chapter 6: Using Barcode Reader

This chapter explains how to use Barcode Reader and Android Winmate® Data Collection application.

6.1 Using Barcode Reader

6.1.1 Barcode Reader Location


The 1D/2D Barcode Reader is an optional feature of Winmate® M101Q8-ME Series Rugged Tablet and may not be present in your device. Please check your device's specifications or contact our sales representative for more information.

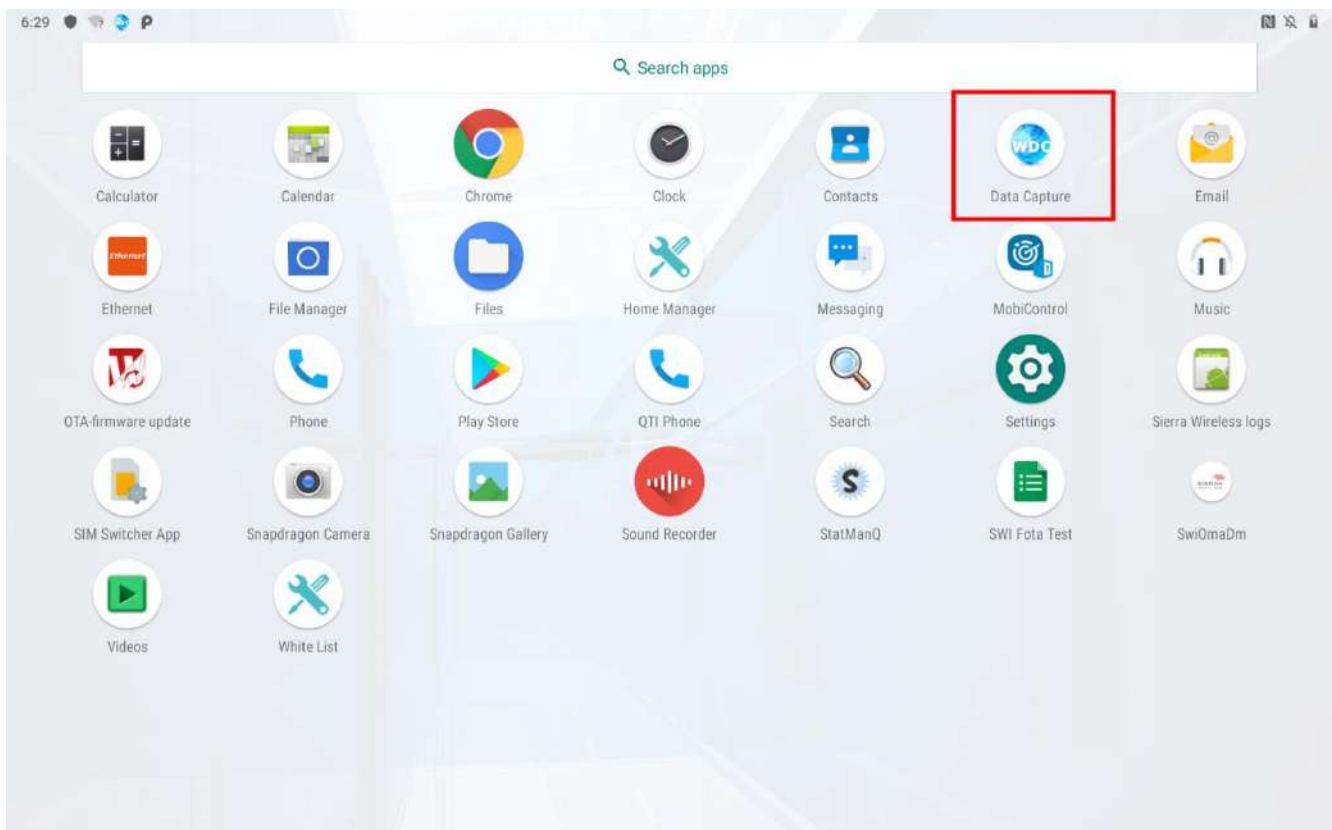
The 1D/2D Barcode Reader is located on the top side of the tablet.

6.1.2 Android Winmate® Data Collection (WDC)


The M101Q8-ME Series Rugged Tablet with Barcode Reader comes with pre-installed software made by Winmate® - Winmate Data Collection (WDC) that allows users to turn on the readers and set up the button to trigger the scan function.

6.1.3 Where to Find WDC

1. Slide from the bottom side and view all application.
2. User can find the application **Data Capture (WDC)** on the menu screen .
3. User can change the settings of the Barcode Reader through WDC application.



6.1.4 How to Turn On/Off the Power of Barcode Reader



1. Open the **WDC** application.
2. Tap **Barcode Setting**  .

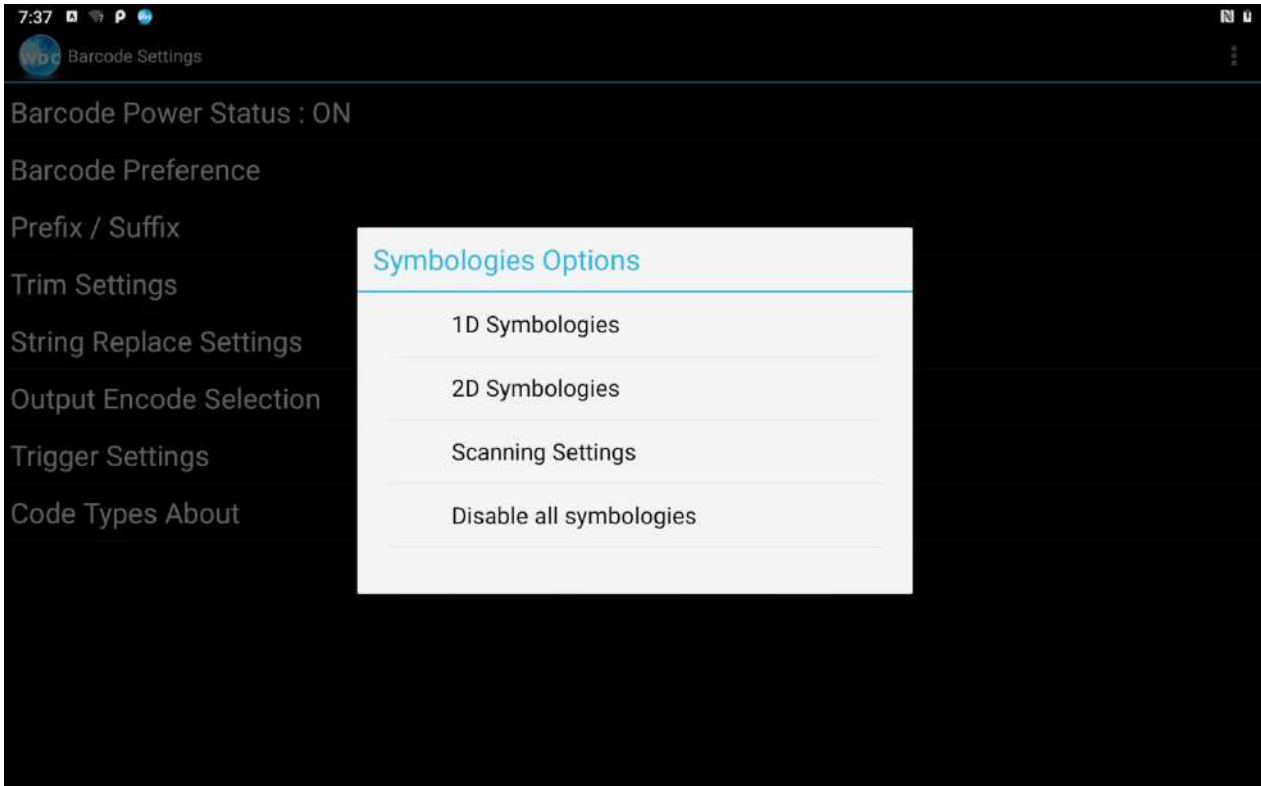


3. Once the user entered the WDC application, the device will automatically turn on the Barcode Reader. And the user can turn off the Barcode Reader by tapping **Barcode Power Status: ON**.




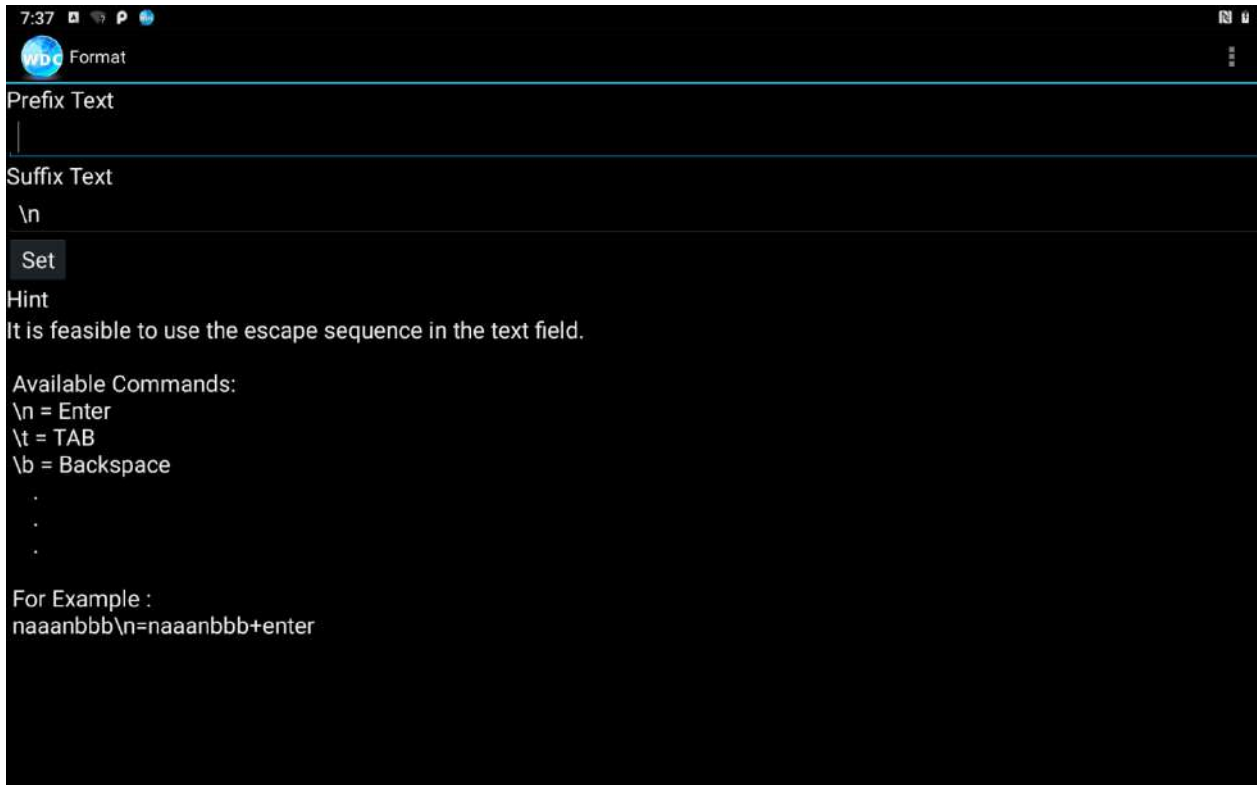
6.1.5 How to Change the Symbologies of Barcode

1. Open the **WDC application** .
2. Tap **Barcode Settings** .
3. Tap **Barcode Preference**.
4. Users can change the symbologies of the barcode:
 - 2D Symbologies
 - 1D Symbologies
 - Scanning Settings
 - Disable all symbologies



6.1.6 How to Add Command to the Barcode Output



1. Open the **WDC application** .
2. Tap **Prefix / Suffix**.
3. Enter special characters at the beginning (prefix) or end (suffix) of the scanned barcodes.
4. Tap **Set** to add into the data.



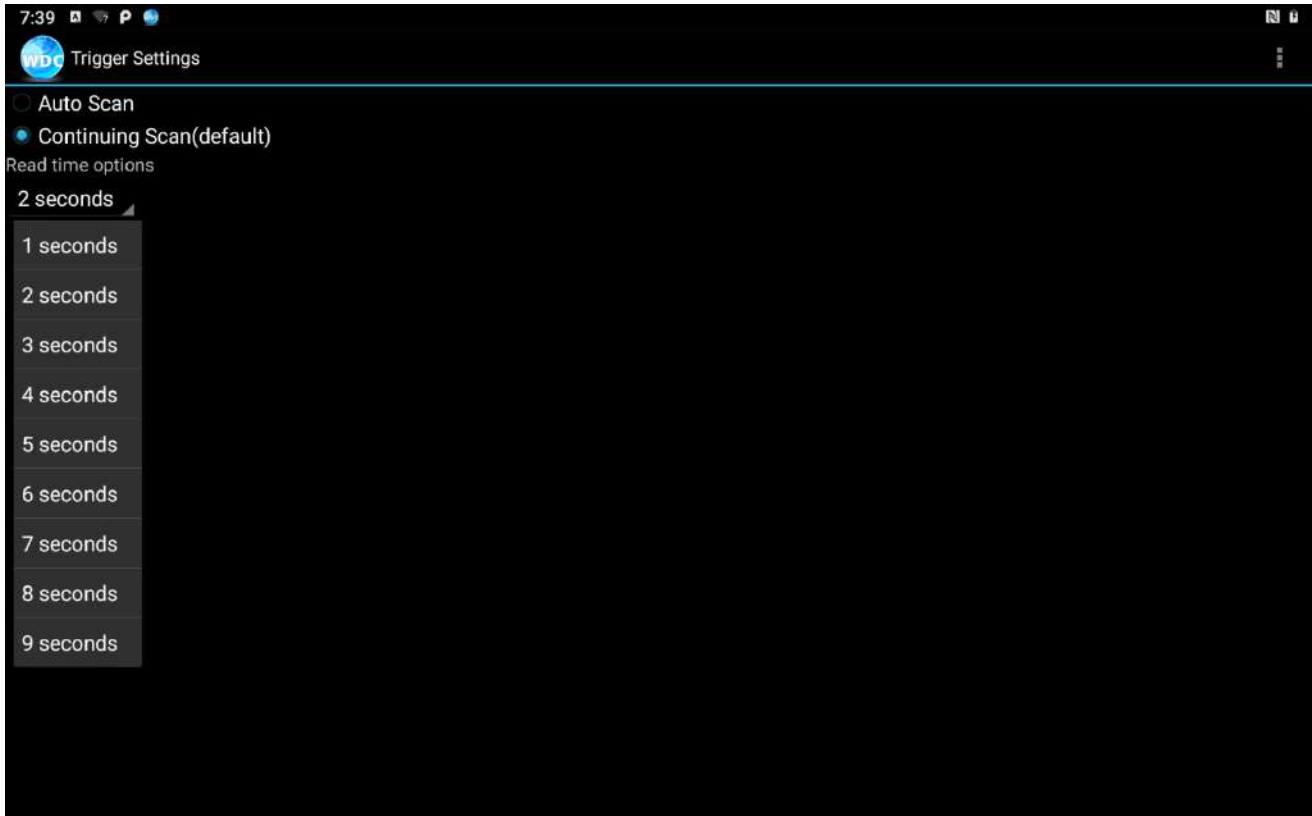
The output will show the command that you entered in the prefix or the suffix;

For example, if user enters “\n” in the **prefix text**, the output of the barcode reader will appear on the next line of the page. And if the user enters “\n” in the **suffix**, the **output of the barcode reader** will show the barcode and change to the start of the next line for the user. Same with the command “\t” and “\b”.

6.1.7 How to Change the Scan Type of the Barcode Reader

1. Open to the “WDC” application .
2. Go to **Barcode Settings** , tap **Trigger Settings**.
3. Select the **Scan Type** or select read time of the Barcode Reader.

To start scanning the barcode user has to leave the WDC application.




- **Auto Scan** – Barcode Reader starts auto-scanning once the user leaves the WDC application.
- **Multiple Scan** – After pressing the trigger button Barcode Reader starts continuously scanning and reading **multiple codes** within the time duration specified in **Read time option**.
- **Auto Detect Scan** – Barcode Reader keeps auto-scanning while the device is being moved.
- **Continuing Scan or Single Scan (default)** – After pressing the trigger button Barcode Reader can only read a single code within time duration selected in Read time option.



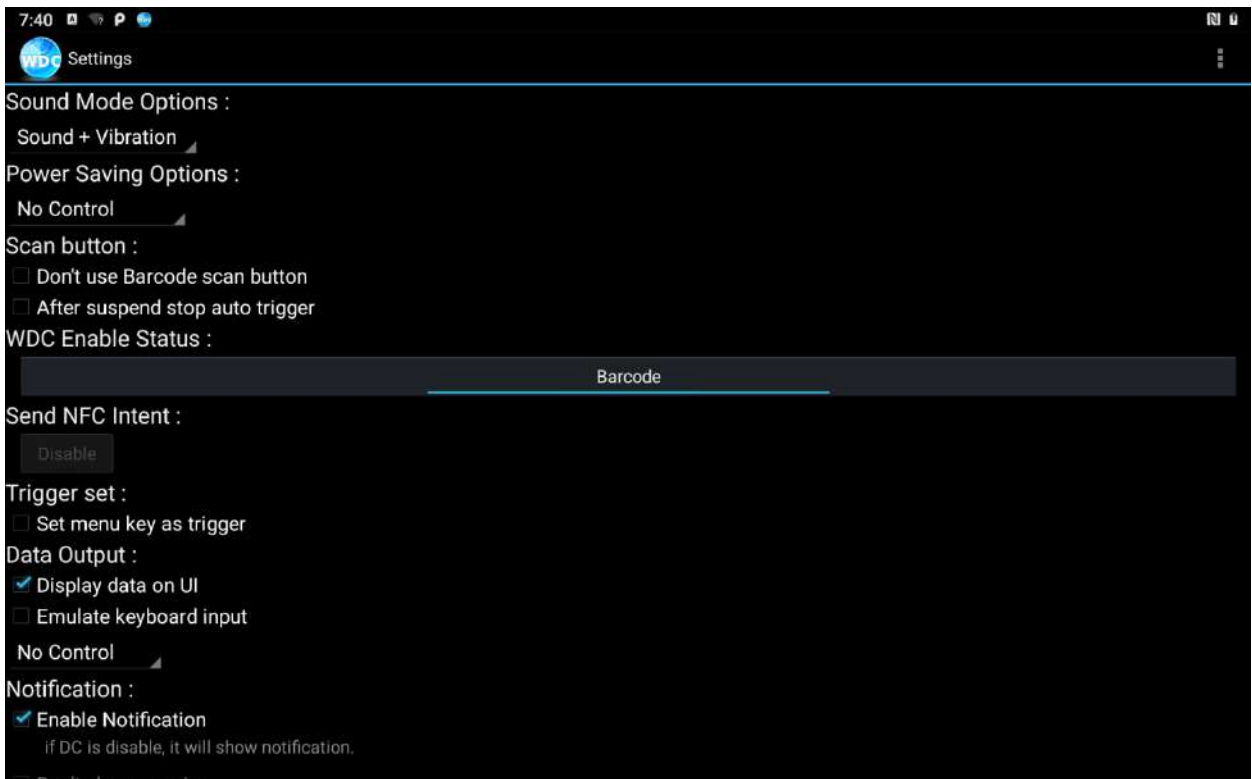
Note: The options showed will be different depending on the version of Barcode Reader or Android.

6.1.8 How to Change WDC Settings or Reset to Default

1. Open the **WDC** application .
2. Tap **Settings**.



3. Users can select the options to change the setting of the application.



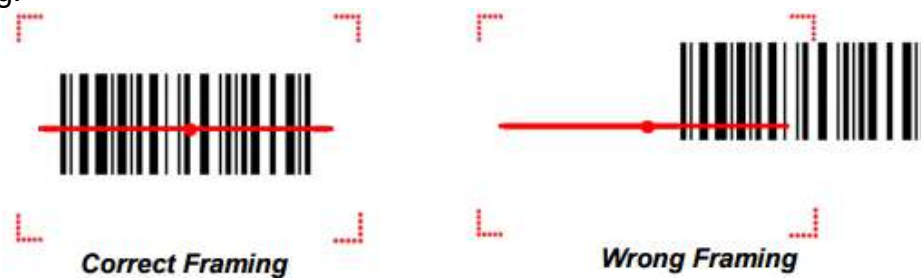
4. Users can reset to the default setting by tapping **Reset setting**.



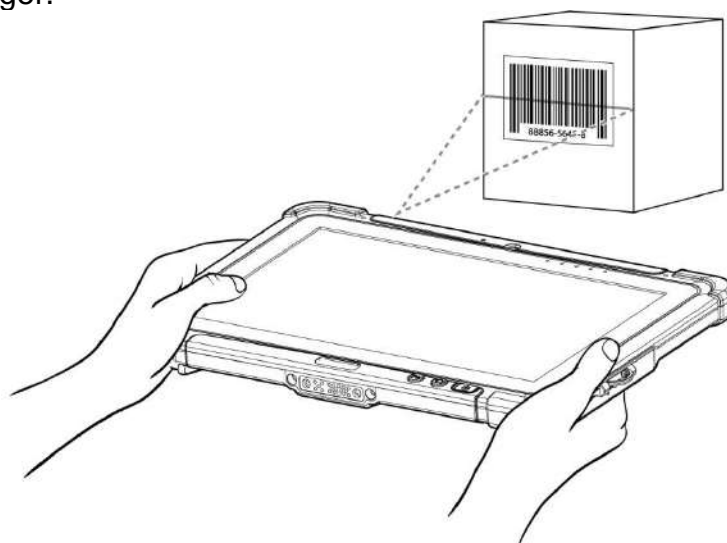
6.1.9 Scanning a Barcode

How to scan a barcode:

1. Press the function button to trigger the barcode.
2. Aim the barcode.
3. Ensure the entire barcode is within the rectangular area formed by the brackets in the laser framing.



4. Release the trigger.



6.1.10 Scanning Tips and Considerations

Distance

Scanning device will decode perfectly over a certain working range, there are minimum and maximum distance from the barcode. To specify the appropriate working range per barcode type is through a table as follows.

Symbology	Density	Min Distance	Max Distance
Code 39	0.100 mm	9.5 cm	11.5 cm
	0.125 mm	8.0 cm	14.5 cm
	0.500 mm	6.5 cm	50 cm
	1.000 mm	9.5 cm	75 cm
EAN / UPS 100%	0.33 mm	6 cm	34 cm
DataMatrix	0.18 mm	7.5 cm	16.5 cm
	0.25 mm	6.0 cm	23.0 cm
	0.38 mm	5.5 cm	34.5 cm
PDF417	0.25 mm	5.5 cm	26 cm
	0.38 mm	6.5 cm	37 cm

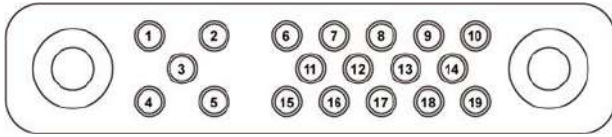
Angle

Scanning angle is important for promoting quick decodes.

Scanning Angle	Horizontal 34.4°	34.4°
	Vertical	22.2°
Framing Angle	Horizontal	30°
	Vertical	20°

6.2 Docking Connector Pin Definition

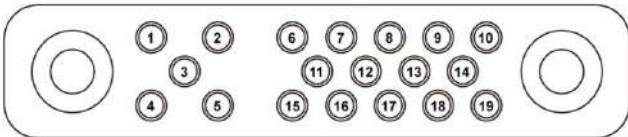
The M101Q8-ME Series Rugged Tablet supports one 19-pin docking connector at the bottom side. The pin definition is listed as the following table.



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		

6.3 Expansion Port Pin Definition

The M101Q8-ME Series Rugged Tablet supports one optional 19-pin expansion port at the rear side. The pin definition is listed as the following table



19 Pin Expansion Port			
Pin No.	Description	Pin No.	Description
1	NC	11	RI
2	NC	12	RTS
3	NC	13	DTR
4	NC	14	RXD
5	NC	15	USB-
6	CTS	16	USB+
7	DSR	17	Power
8	TXD	18	GND
9	DCD	19	GND
10	GND		




















Caution This expansion port can not be used.

Attention Ce port d'extension ne peut pas être utilisé.

Appendix

Appendix includes additional product information, including technical specifications; order information, OS image and OTA update procedures.

Appendix A: Meaning of symbols on the unit

Symbol	Description	Symbol	Description	Symbol	Description
	This device complies with the Medical Device Directive 93/42/EEC		Indicates this device is compliance with Part 15 of FCC rules (Class A)		Serial number
	This way up		Stacking limit by number		Direct current
	Fragile		Weight		Keep away from rain
	Temperature limits		Recycling symbol for corrugated cardboard used for packaging		Consult operating instruction for use.
	TUV SUD Mark		Indicates device is approved according To The UL DEMKO Regulation		General warning sign
	Indicates device is approved according To The VCCI Regulation		MEDICAL - GENERAL MEDICAL EQUIPMENT AS TO ELECTRICAL SHOCK, FIRE AND MECHANICAL HAZARDS ONLY IN ACCORDANCE ANSI/AAMI ES60601-1 (2005) + AMD 1 (2012) CAN/CSA-C22.2 No. 60601-1:14	UL MED mark	

Appendix B: Basic Troubleshooting

Problem	Solution
The removable battery is not charging.	<ul style="list-style-type: none"> • Make sure the AC adapter is properly connected, and that the removable battery is properly inserted.
Nothing appears on the screen.	<ul style="list-style-type: none"> • 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.	<ul style="list-style-type: none"> • Make sure the AC adapter is properly connected. • If running on battery power, the battery may be depleted, charge the battery. • Make sure that LED Indicator shows Orange.
Wireless LAN signal quality is poor.	<ul style="list-style-type: none"> • 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.	<ul style="list-style-type: none"> • Make sure that 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 BT.	<ul style="list-style-type: none"> • Make sure that both devices have BT powered on (For the Tablet Computer, check Settings to check if BT is powered on). • 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 the both devices are powered on and configured to be discoverable. • Make sure that both devices are compatible.
The GPS application cannot find my location.	<ul style="list-style-type: none"> • Make sure that GPS is turned on in Settings. • Make sure that 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.	<ul style="list-style-type: none"> Adjust 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.	<ul style="list-style-type: none"> Make sure the VGA driver is installed. Make sure the output setting selected is correct.
Barcode scanner does not emit laser beam and does not seem to work.	<ul style="list-style-type: none"> Make sure the Barcode scanner device is detected, please open WDC application and check Data Capture "About". If the device is not detected in WDC application under Data Capture "About", please press Reset Setting in Data Capture.
Barcode Scanner emits laser beam but does not read barcode presented to it.	<ul style="list-style-type: none"> Adjust the distance between 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.
Battery leaking or swollen	<ul style="list-style-type: none"> 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 C: Software Development Kit

Winmate® provides the following drivers for M101Q8-ME Series Rugged Tablet.

Item	File Type	Description
1	M101Q8-ME Drivers	Android Debug Bridge(ADB) Driver / USB Driver
2	M101Q8-ME Flash Tool	Flash Tool

Winmate® provides Software Development Kit (SDK) for M101Q8-ME Series Rugged Tablet.

Item	File Type	Description
1	General SDK (WDC)	Development kit for WDC, including Barcode Reader

Download SDK from Winmate Download Center.

Winmate Download Center:

<https://www.winmate.com> > Support > Download Center > Rugged Tablet > M101Q8-ME

Appendix D: Product Specifications

	Model Name
	M101Q8-ME
Display	
Size	10.1 inches
Resolution	1920x1200
Panel Brightness	800 nits
Contrast Ratio	800:1
Viewing Angles	85,85,85,85
Touch Type	Projected Capacitive Multi Touch
Touch Mode	Support Hand / Gloves and Water Resistant Mode
Bonding	Optical Bonding for Sunlight Viewability
System Specifications	
Processor	Qualcomm® Snapdragon™ 660 (Octa-Core 2.2 GHz)
Memory	3GB
Storage	32GB
OS	Android 9.0
BT	BT Support
GNSS	GPS/AGPS
WLAN	802.11 a/b/g/n/ac mode
RFID	Default RFID (Read / Write, Peer to Peer mode)
Sensors	Ambient Light Sensor, E-Compass, Gyro, Acceleration Sensors, Automatic Screen Rotation
Camera	
Front Camera	8MP Camera
Rear Camera	13MP Camera with LED Auxiliary Light (Auto Focus)
Mechanical	
Dimension	271.9 x 197.3 x 19.5 mm
Weight	1.2 kg (2.65 lbs)
Cooling System	Fanless Design
IO Ports	
USB Port	1 x USB 3.0 Type C OTG, 1 x USB 2.0 Type A
Audio	1 x Audio Combo connector (Mic in or Line Out) 1 x Built-in Mic, 2 x Speaker
Video	1 x Micro HDMI(Optional)
SIM Card Slot	1 x SIM Card Slot
SD Card Slot	1 x Micro SD Card Slot
Indicator	1 x LED Indicators (Power, Battery)
Control	
Button	1 x Volume +/-, 1 x Home, 1 x ,Return, 1 x Power, 1 x Function Button
Power	
Battery	7.4V, typ. 5140 mAh LiPolymer Battery (2S1P)(BS101), Hot-swap Function (Optional)
Battery Operating Time	8Hr
Power Rating	19V / 3.78 A
Power Adapter	MFR / model: EDAC / EM10683V & EM10681V Input: 100-240Vac, 2.0-1.0A, 50-60Hz Output: 19Vdc, 3.78A

	Model Name
	M101Q8-ME
Environment	
Operating Storage and Transportation Atmospheric pressure	700hPa ~ 1013hPa
Operating Temperature	0°C to 35°C
Transportation & Storage Temperature	-40°C to 70°C
Operating Humidity	10%~90% (non-condensing)
Transportation & Storage Humidity	5%~95%
LCD Panel Lifetime	30, 000 hours
ESD	Contact 8KV/ Air 15KV (Criteria A)
IP Rating	IP65(Only For Panel; Not included in UL certification)
Certification	CE, FCC, IC IEC 60601-1, IEC 60601-1-2, EN 60601-1, ANSI/AAMI ES 60601-1
Security Function	
SOTI MobiControl	SOTI MobiControl Compliance
Kensington Lock	Kensington Lock
Barcode Scanner	
Barcode Scanner	1D/2D Barcode Reader(Optional)

Appendix E: Accessories

	Model Name
	M101Q8-ME
Accessory	
Standard Accessory	Adapter and Power Cord Standard Battery(BS101) Capacitive Stylus Power Cable (Standard US, Optional EU, UK)
Optional Accessory	Cradle Hand Strap VESA Mount Kit Shoulder Strap Carry Bag Micro SD Card

Appendix F: Order Information

The M101Q8-ME Series Rugged tablet is available in the following configurations:

Model Name	1D/2D Barcode Reader	Battery Hot Swap
M101Q8-ME	N/A	N/A
M101Q8-ME-H	N/A	Default
M101Q8-ME-BH	Default	N/A
M101Q8-ME-BHH	Default	Default

Appendix G: OS Image Update

Winmate provide OS Image update tool. Refer to “OS Image Update Tool Guide” for a detailed instruction on how to update OS image.

Download OS Image update tool and OS Image Update Tool Guide from Winmate Download Center.

Winmate Download Center:

<https://www.winmate.com> > Support > Download Center > Industrial tablet > M101Q8-ME > OS Image

Appendix H: OTA Update Guide

You can use online OTA Update tool to update firmware version.

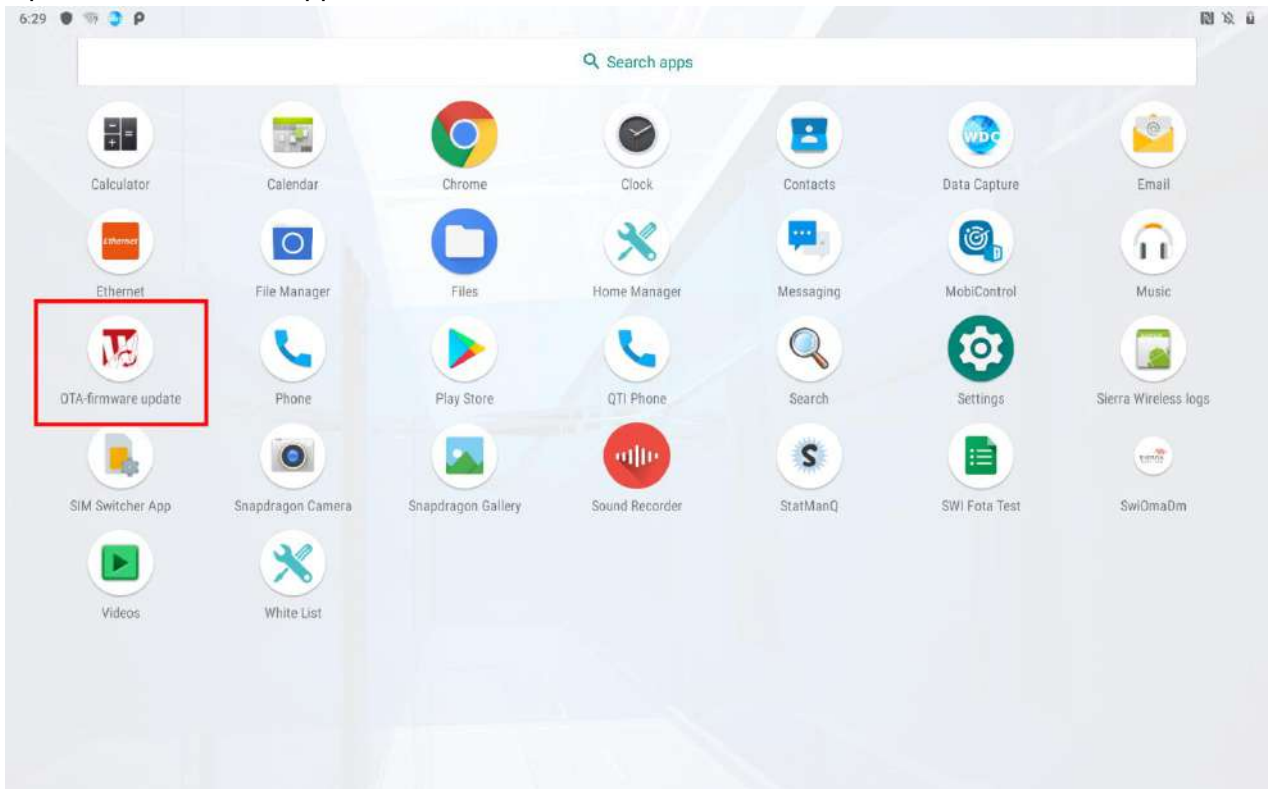


Important:

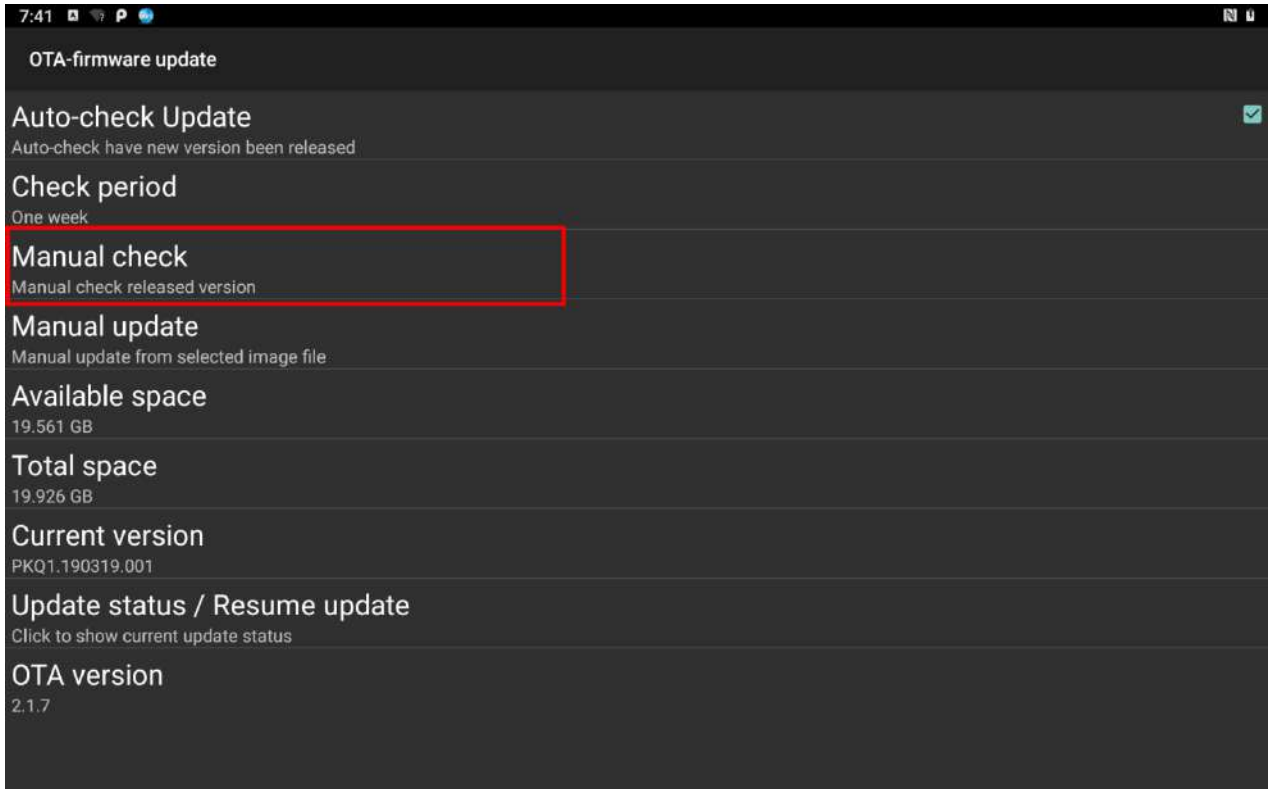
Battery capacity must not be lower than 30% during update.

To update OTA:

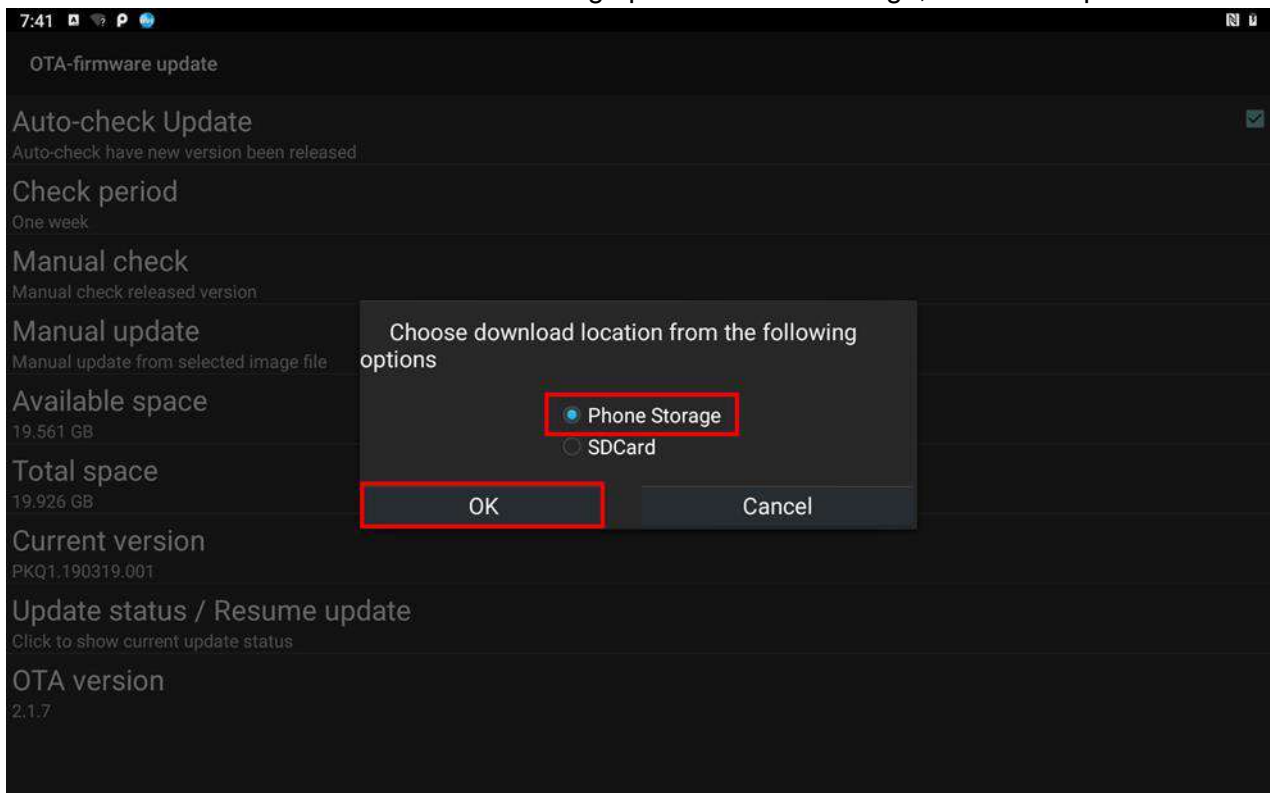
1. Open **OTA-firmware** application.



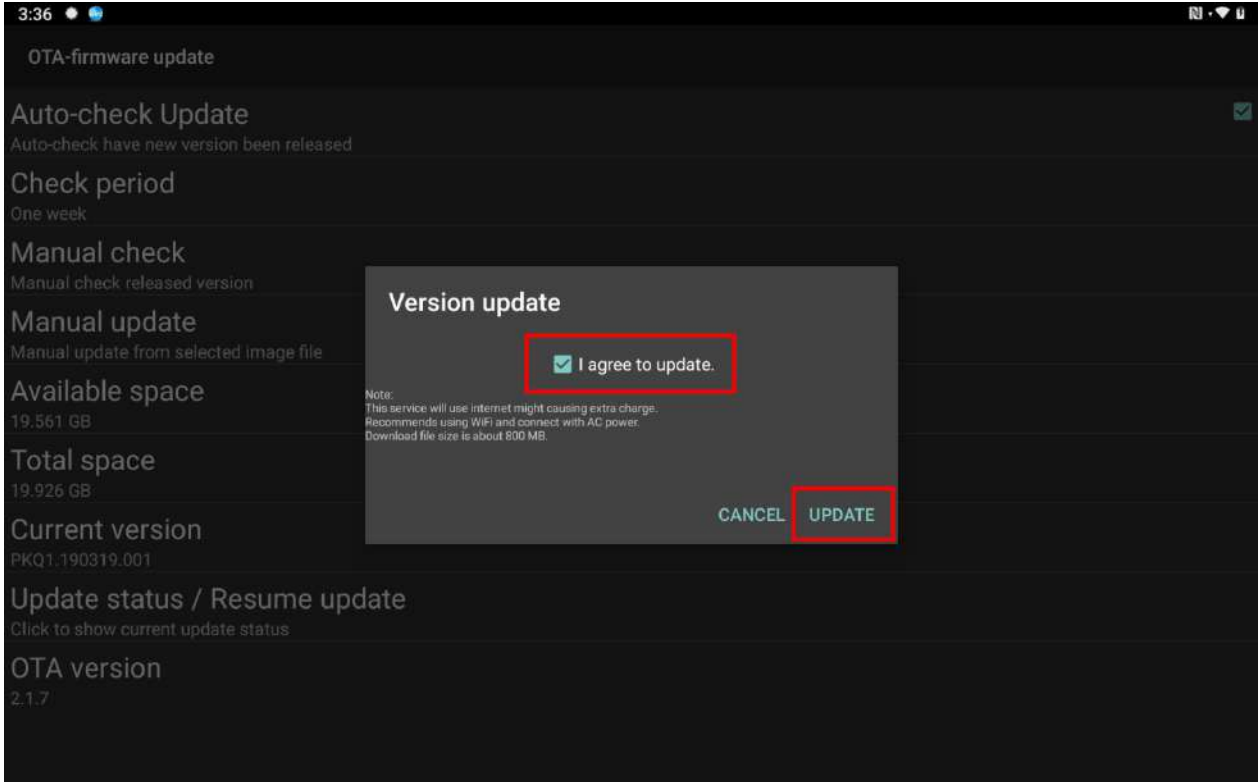
2. Select **Manual check**.



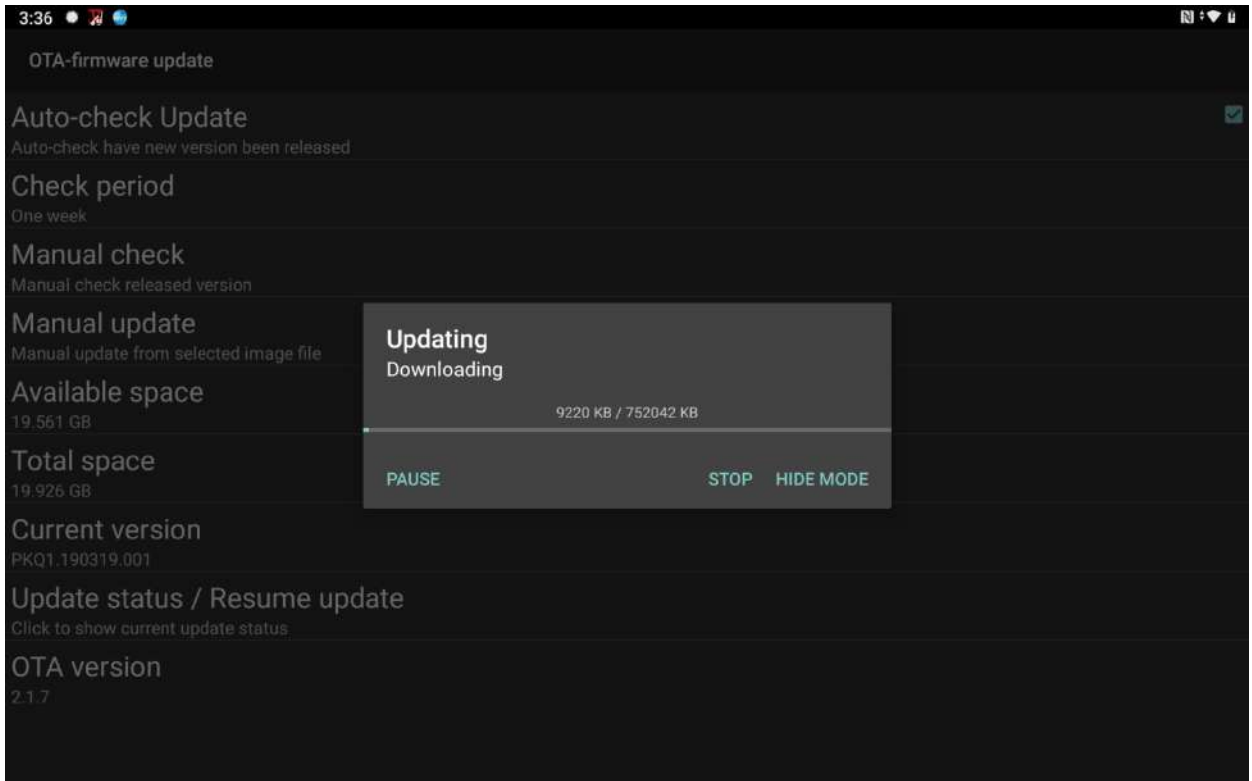
3. Choose download location from the following options: Phone Storage, SDCard. Tap **Ok**.



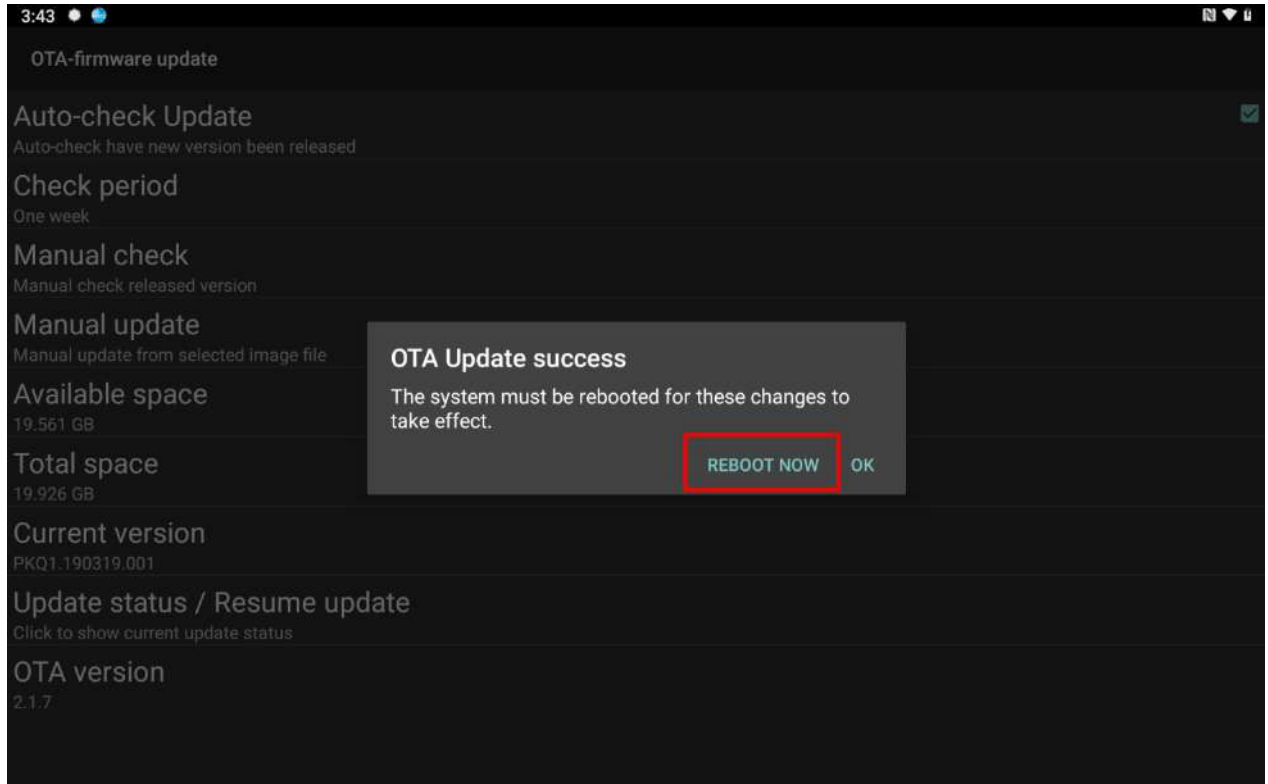
4. Check "I agree to update" and click "UPDATE".



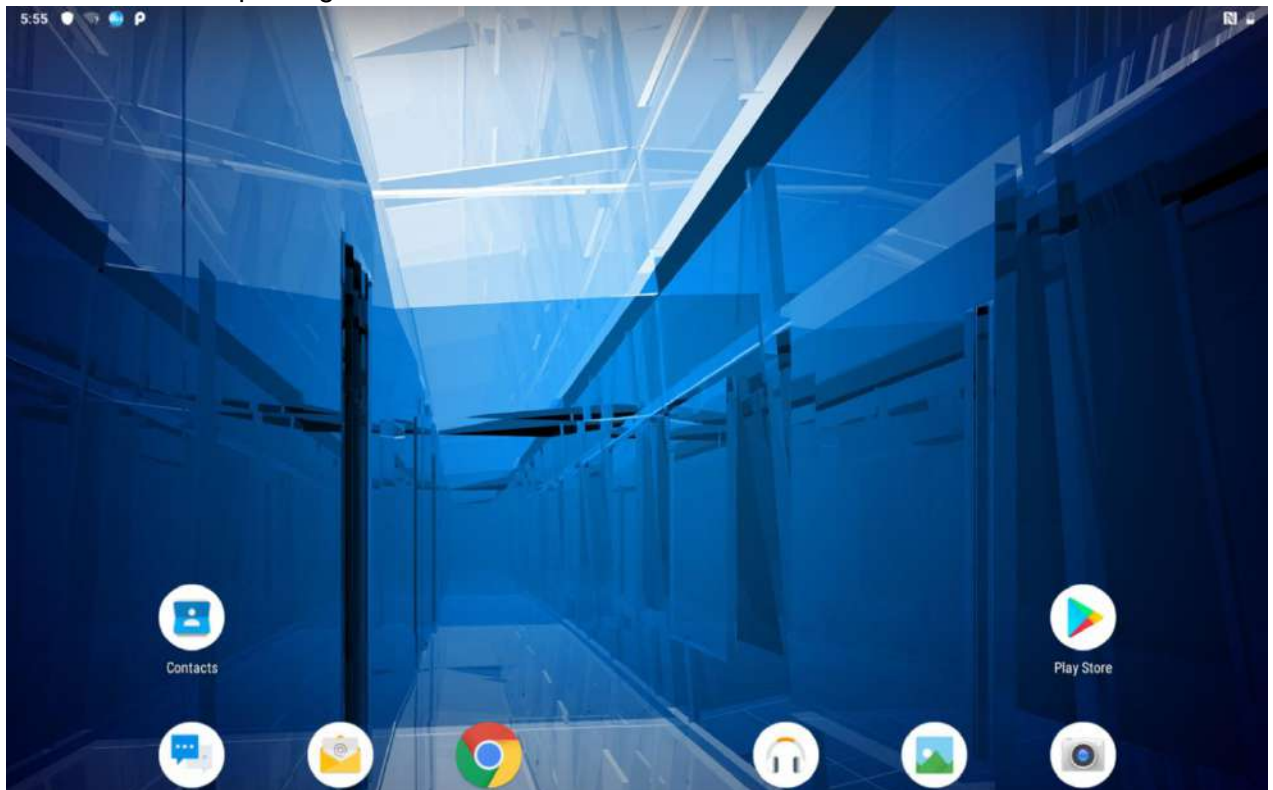
5. Wait for download finish it will take some time.



6. Click "REBOOT NOW".



7. Wait while Ota is updating.

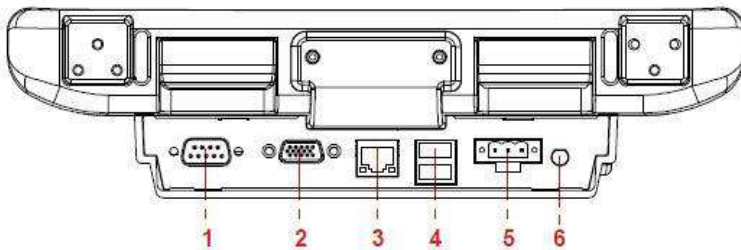


Appendix I: Cradle Quick Start Guide

Content

- Cradle x 1
- Quick Start Guide x 1
- Cradle Driver CD x 1
- Screws(M4-6mm) for VESA mount x 4
- Terminal Block Plug x 1
- Power Cable(Cigarette Receptacle to Terminal Block) x 1

Specification



1. RS232 (with 12V / 0.5A)
2. VGA output (optional)
3. LAN (10/100)
4. USB 2.0 x 2 (with 5V / 0.5A)
5. DC in (Terminal Block)
6. SMA for External GPS Antenna



First Time Operation

Driver installation

For the tablet to work with the Cradle, the driver of the Cradle has to be installed first. The Cradle driver is not pre-installed on the tablet. For a detailed installation guide, please refer to the CD that is included with the package. OR visit winmate official site's download center to download the latest driver: <http://www.winmate.com.tw/>

Mounting

The Cradle is designed to work with a standard 75mm x 75mm VESA wide range power input mounting arm or base. Please mount the VESA plate on the back of the wide range power input mount first before using it with the tablet.

