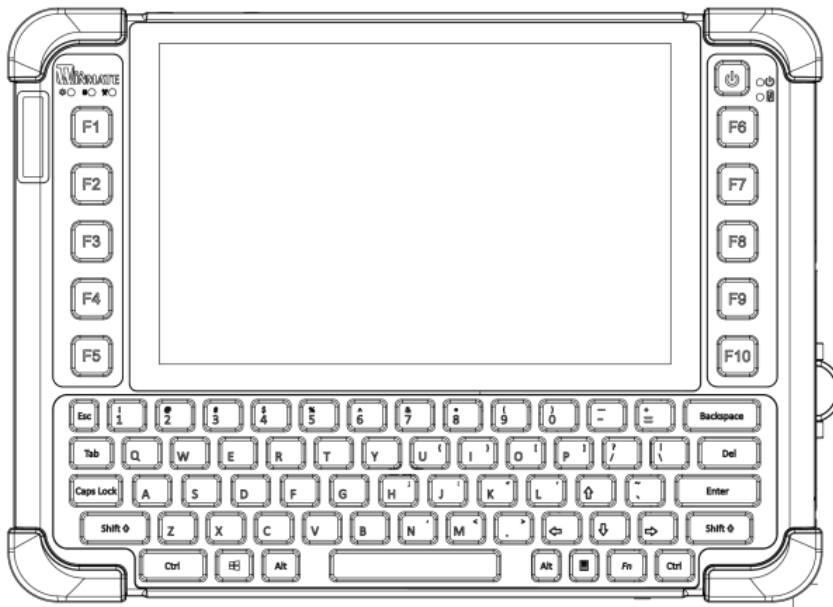


M101EKB

Rugged Windows Tablet

Intel® Celeron® N6211 @ 1.2 GHz (up to 3.00 GHz)

Intel® Pentium® N6415 @ 1.2GHz (up to 3.00 GHz) (Optional)



Quick Start Guide



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/ 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!**

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

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

1.2 Safety Information



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.



General Product Safety **Sécurité générale des produits**

This product should not be used near water such as bathtubs, sinks, swimming pools, wet basement, etc.

Ce produit ne doit pas être utilisé près de l'eau comme les baignoires, les évier, les piscines, les sous-sols humides, etc.

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.

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).

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.

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.

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.

Utiliser uniquement les accessoires spécifiés par le fabricant.

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.

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.

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.

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.

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 can generate a strong magnetic field such as TV, refrigerator, motor, or a large audio speaker.
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.
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.
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.
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.
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.

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 the display. Using sharp or metallic object may cause scratches and damage the display, thereby causing errors.

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.
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.
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.

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.

1.4 Declaration of Conformity

FCC Statement



This device complies with part FCC Part 2. 1092 rules.

Operation is subject to the following two conditions:

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

This equipment has been tested and found to comply with the limits for a class "B" digital device, pursuant FCC Part 2. 1092. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at him own expense.

CE Notice (European Union)

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



Electromagnetic Compatibility Directive (2014/30/EU)

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

Low Voltage Directive (2014/35/EU)

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

1.5 Copyright Notice

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1.6 Trademark Acknowledgement

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1.7 Disclaimer

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Chapter 2: Getting Started

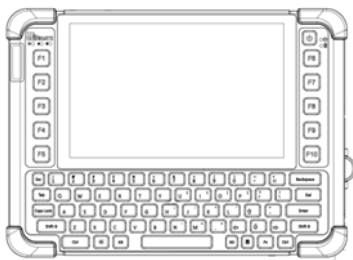
This chapter tells you step by step how to get the Tablet Computer up and running. You will find instructions for the following procedures:

- Unpacking
- Description of Parts
- First Time Operations
- Powering On/Off

2.1 Unpacking

Thank you for purchasing the M101EKB Rugged Windows Tablet Computer. The rugged design allows you to use it in harsh outdoor environments.

Check and identify the supplied accessories:



- **Tablet Computer**



- **Quick Start Guide**



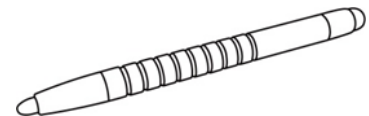
- **Standard Battery**



- **Power Adapter**



- **Power Cord and Plugs**



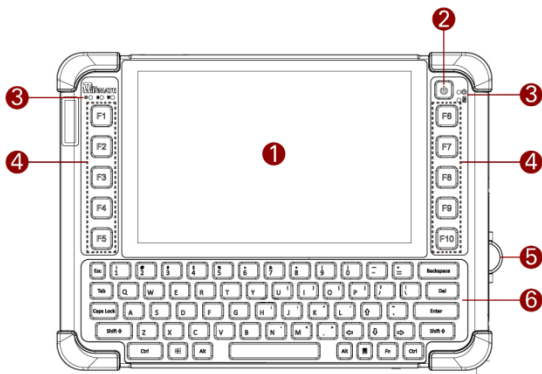
- **Stylus**

Your package may include other optional accessories based on your order.

- | | |
|-------------------------------------|-----------------------------|
| • Desk Dock | • Shoulder Strap |
| • Vehicle Dock (without VGA output) | • Carry Bag |
| • Vehicle Cradle | • Micro HDMI Cable |
| • Vehicle Charger | • USB-C to Ethernet Adapter |
| • Battery Charger | • USB-C to RS232 Adapter |
| • Hand Strap | • USB-C to USB-A Hub |

2.2 Description of Parts

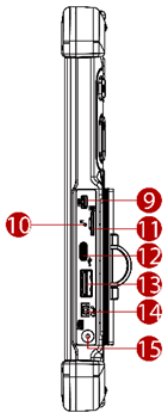
Front:



Left:



Right:



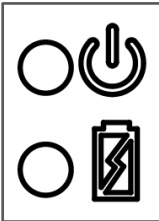
No	Item	Description
1	Touch Screen	Displays and acts as one of the inputs for the computer.
2	Power Button	Power on/off computer.
3	LED Indicators:	Shows the current status of the computer.
4	Function Buttons	Programmable function keys configured by Winset utility.
5	I/O Cover	Protects I/O ports.
6	QWERTY Keypad	Input characters using the QWERTY keypad.

Front LED Indicators Details:

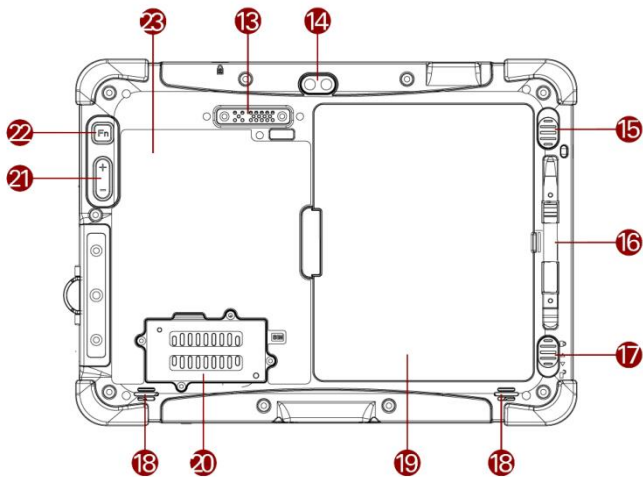
Left side



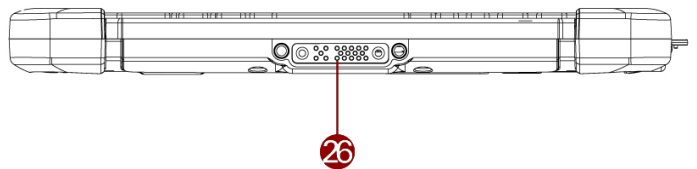
Right side



No	Item	Description
9	Micro HDMI	HDMI output to external display.
10	Clear CMOS	Hardware reset button.
11	MicroSD Card Reader	Memory card reader port for MicroSD Card
12	USB 3.0 Type-C support PD 20V In	A high-speed USB port connects to USB devices, such as a USB flash drive, mouse, keyboard, printer, etc. Note: The USB Type-C connector follows USB 3.0 standards, not supporting Alternate Mode (ALT)
13	USB 3.0 Type A	USB 3.0 port connects to USB devices, such as USB flash drive, mouse, keyboard, printer, etc.
14	Mic In/Line Out	Headset or headphone can be connected (Mic is only supported with 3.5mm 4-pin headset)
15	Power Jack	DC power input jack.

Rear:

No	Item	Description
13	Expansion Port	Provide optional connectivity to custom modules for special application (USB2.0 x 1, RS232 x 1).
14	Rear Camera	5MP Autofocus Camera. Captures photos and videos.
15	Battery Release Slider	Spring-loaded slider that latches the battery in.
16	Touch Pen Slot	Pen holder slot to store touch pen.
17	Battery Lock Latch	Latch to lock the battery in place once battery is inserted. Not spring-loaded.
18	Speakers	Emit sounds.
19	Battery	7.4V, typ. 5140 mAh Li-Polymer Battery (2S1P). 7.4V, typ. 10280 mAh Li-Polymer Battery (2S2P, optional).
20	LTE Module / SIM card slot	Service window to insert Micro SIM card. Also provide access to LTE Module.
21	Volume Buttons	Volume Control. (+) Raise volume, (-) Lower volume.
22	Fn2 Button	Toggles Barcode Scanner
23	Optional HF RFID Reader	Scans HF RFID tags.

Top:**Bottom:**

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

2.3 Hot Keys for Specific Functions

For the physical buttons on the tablet computer, in addition to its dedicated functions detailed in the previous section, it can also be used to emulate commonly used keyboard key strokes. Under different scenario, a single physical button or a combination of physical buttons provide different keyboard key strokes, which are specified below:






In POST (before Windows boots up):

Buttons	Keystroke
F7	Enters BIOS Setup Screen.
Fn2	ESC
Volume Up (+)	Up
Volume Down (-)	Down

In Windows:

Buttons	Keystroke
Fn + F1	Opens Winset application
Fn + F4	RF Power (Wifi/BT/WWAN/GPS Ant.)
Fn + F5	Camera(Call Winset Cam)
Fn + F7	Zoom +
Fn + F8	Zoom -
Fn + F10	Increase size of on-screen keyboard
Volume Up (+)	Brightness or Volume (Default Brightness)
Volume Down (-)	Brightness or Volume (Default Brightness)
Fn2	Default: Barcode Scan (Configurable)

2.4 Indicators

Item		Description
Power Indicator		Blue – Tablet is ON No light – Tablet is OFF
Battery Status		Orange –AC adapter is plugged in and charging Green –AC adapter is plugged in and battery is full charged Solid Red - Low battery (<10%) Blinking Red – Battery is being hot swapped. No light – Battery is in use and more than 10%
Light Sensor		Light sensor automatically adjusts the panel brightness based on the light settings.
Disk Activity Indicator		Green - Disk Activity No light - Disk Idling
RF Communications		Green - WLAN/BT/WWAN/GPS ON No light - WLAN/BT/WWAN/GPS are all OFF

2.5 First-Time Operation

2.5.1 Installing SIM card (For WWAN Equipped Devices) (Optional)

To install the SIM card:

Tools Needed:

Service Windows

Screw: M2x5, 4 pc

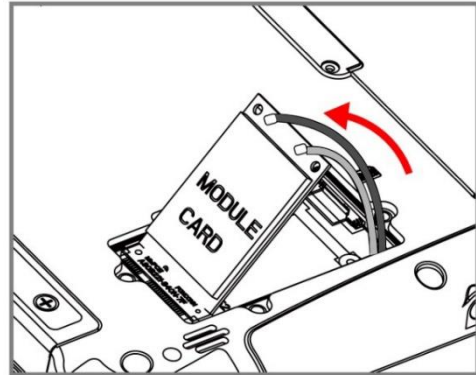
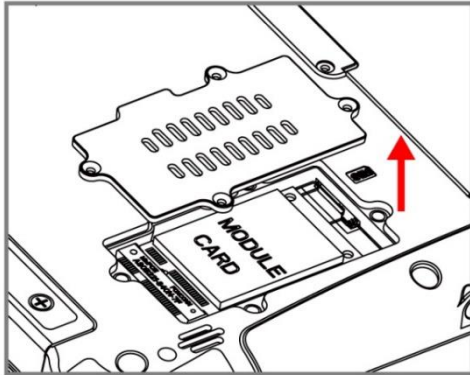
Screwdriver: Philips Type, Size #0, for M2 screws, torque: 2.0 ± 0.5 kgf.cm

WWAN Module

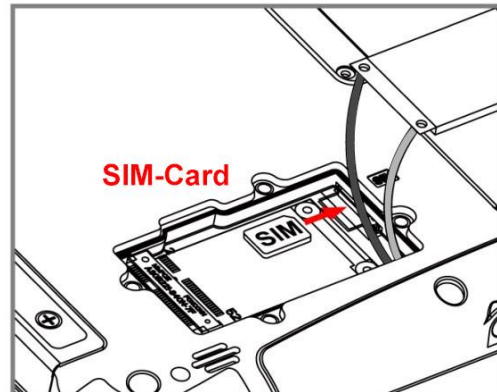
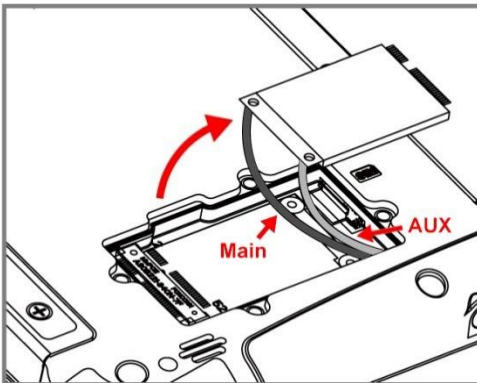
Screw: M2x3.5, 1 pc

Screwdriver: Philips Type, Size #0, for M2 screws, torque: 2.0 ± 0.5 kgf.cm

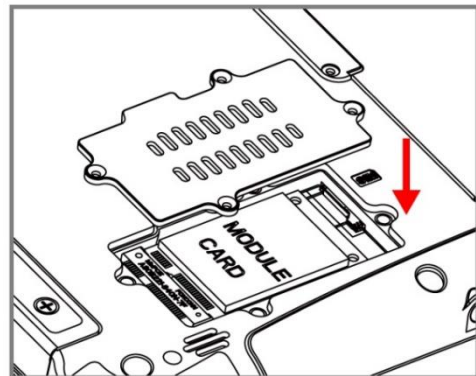
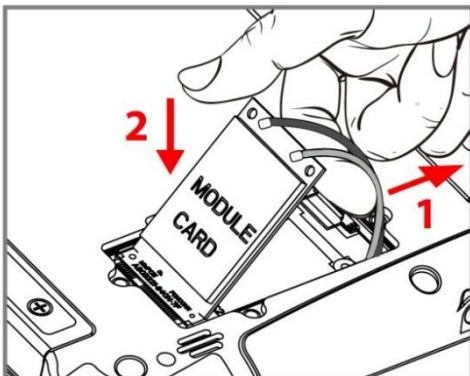
- ① Remove four screws and remove the service window.
- ② Remove the one screw that secures the WWAN module. Carefully lift the module. **Do not disconnect cables.**



- 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 WWAN module and fasten one screw. Accurately route the cables. **Do not bend, pinch, or 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 connects properly and does not get squeezed.

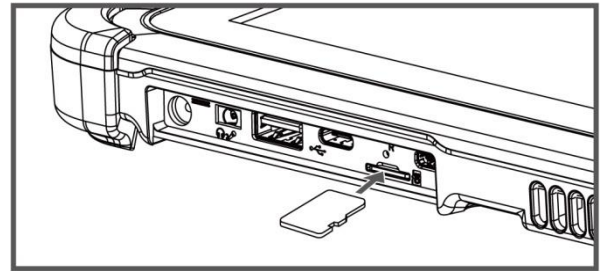
Attention Notez l'acheminement du câble lorsque vous réinstallez le module WWAN. Assurez - vous que les modules de câble sont correctement connectés et qu'ils ne sont pas pincés.

2.5.2 Installing a Micro SD Card

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

To install Micro SD Card:

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



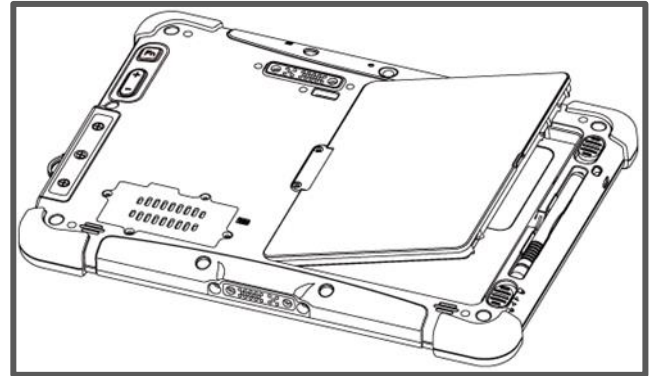
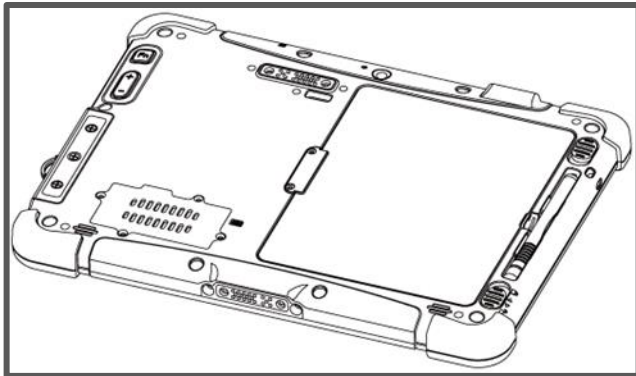
To remove Micro SD Card:

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

2.5.3 Installing Battery

To install the battery pack:

1. Disconnect any cords connected to the tablet computer.
2. Turn the tablet 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 with the connector-pins side first, and then lower the battery into the battery compartment. Continue to hold the Battery Release Slider until the battery is fully inserted.
6. Make sure the battery is completely lowered into the compartment before letting go of the Battery Release Slider. Battery will be flat against the housing once fully inserted.



To remove the battery pack:

1. Shut down the tablet (or put into sleep mode). 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 the side of battery compartment.

2.5.4 Charging Your Tablet

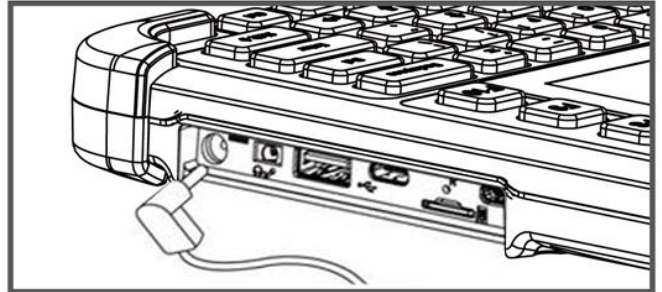
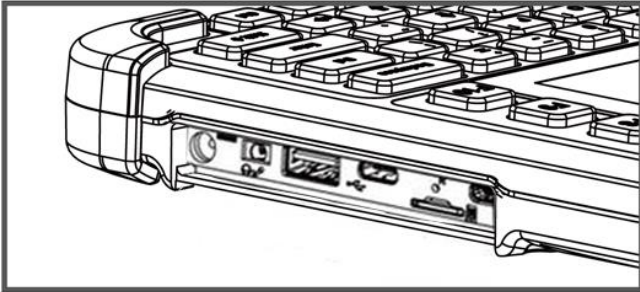
The Tablet operates either on external AC power or internal battery power. It is recommended to use AC power when you start up the Tablet for the first time.



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

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%).
- No light** - Battery is in use and charged (>10%).

2.5.5 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 **F6** button on the front bezel to initiate 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 Disk Activity Indicator off

- 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 the **Settings** charm.
3. Tap on **Power**.
4. Tap on **Shut Down**.
5. 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**.

Notes

