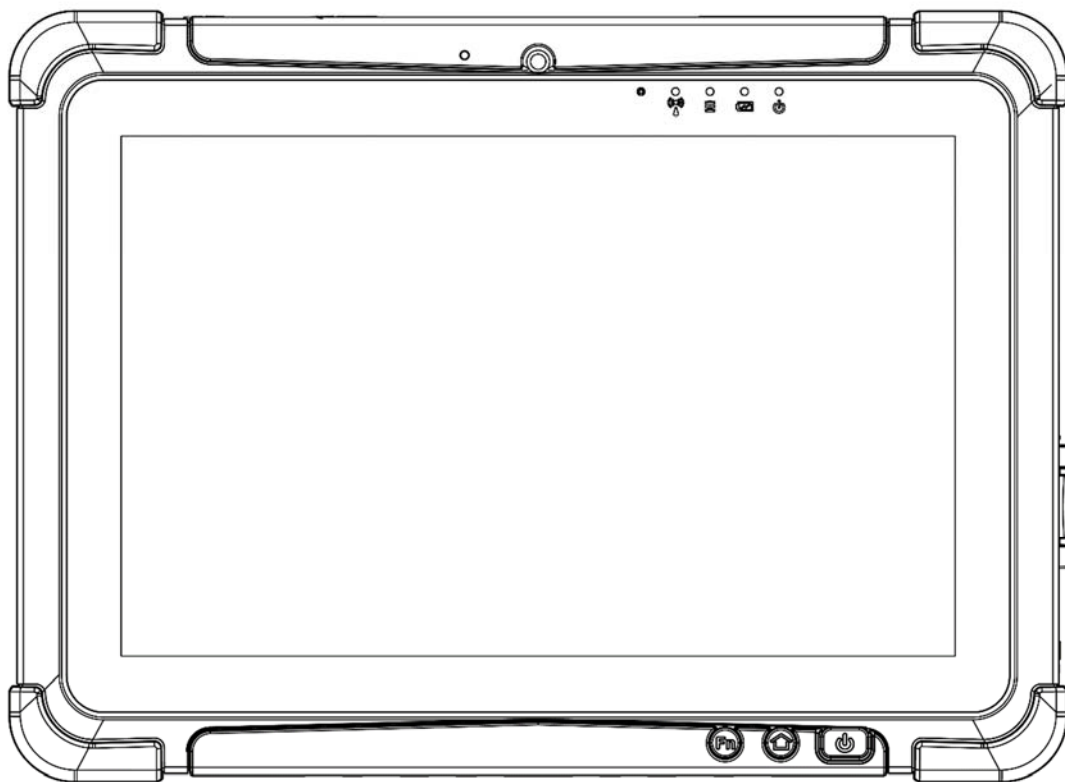


M101MDT-HUB / MD-M101

Healthcare Windows Tablet

Intel® Apollo Lake Pentium N4200

Windows® 10 IoT Enterprise



User Guide

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Chapter 1: Read Me First

This chapter provides safety information, handling and maintenance precautions and other important information about using the rugged tablet.

1.1 Advisory Conventions

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



Note: A note is used to emphasize helpful information



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



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

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



Warning!

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

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

1.2 Intention of Use

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 Tablet is hand held equipment for health care professionals and can be mounted in a cradle with VESA mount for fix equipment.



Important:

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.



1.3 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 Disassemble, Modify, or Insert Sharp Objects Into the Battery Pack. Electrolyte leakage, generation of heat, ignition or rupture may result.
[FR] Ne pas démonter, modifier, ou insérer des objets pointus à l'intérieur du bloc-pile. Une fuite d'électrolyte, la génération de chaleur, l'amorçage ou la rupture peuvent être occasionnés.

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

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

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

When the Battery Pack Has Deteriorated, Replace It with a New Battery. Continued use of a damaged battery pack may result in heat generation, ignition or battery rupture.

[FR] Lorsque la pile est détériorée, la remplacer par une nouvelle pile. L'utilisation continue d'une pile endommagée peut occasionner une génération de chaleur, l'amorçage ou la rupture de la pile.

Do Not Expose the Battery Pack to Excessive Heat, or Extreme Heat (Near Fire, in Direct Sunlight for example) Generation of heat, ignition or rupture may result

[FR] Ne pas exposer le bloc-pile à une Chaleur Excessive, ou une Chaleur Extrême (Près d'un feu, sous la lumière du soleil par exemple) Une production de chaleur, l'amorçage ou la rupture peuvent être occasionnés

Do Not Use the Battery Pack With Any Other Products. The battery pack is rechargeable and is only designed for this specific product. If it is used with a product other than the specified product, electrolyte leakage, generation of heat, ignition or rupture may result.

[FR] Ne pas utiliser avec un autre produit La batterie est rechargeable et a été conçue pour un produit spécifique. Si elle est utilisée sur un produit différent de celui pour lequel elle a été conçue, des pertes d'électrolytes et une production de chaleur sont possibles, elle risque également de prendre feu ou de casser.

Do Not Use This Product With Battery Other Than the One Specified.

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



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.

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.

[FR] Si vous remarquez une pile gonflée, élargie ou anormale, cesser l'utilisation de l'appareil immédiatement. N'essayez pas de recharger l'appareil ou de l'utiliser. Ne pas manipuler une pile qui fuit ou qui est endommagée. Ne laissez pas de liquide qui fuit entrer en contact avec vos yeux, votre peau ou vos vêtements.



WARNING: To avoid risk of electric shock, this equipment must only be connected to a supply main 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.

Use a soft cloth to clean the surface.

[FR] Utilisez un chiffon doux pour nettoyer la surface.

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

[FR] Veuillez 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.

[FR] 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 healthcare 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 healthcare 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.

[FR] 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.

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.

[FR] 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.



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.*



Warning! Tablet with cradle cannot be hand-held operated, and must be used with VESA mount as a fixed equipment.

Avertissement! La tablette avec socle ne peut pas être utilisée à la main et doit être utilisée avec un support VESA comme équipement fixe.

- 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 évier, 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.*

- Grounding reliability can only be achieved when the equipment is connected to an equivalent receptacle marked "Hospital Only" and "Hospital Grade". Use a power cord that matches the voltage of the power outlet, which has been approved and complies with the safety standard of your particular country.
[FR] La fiabilité de la mise à la terre ne peut être atteinte que lorsque l'équipement est connecté à un réceptacle équivalent portant la mention «Hospital Only» et «Hospital Grade». Utilisez un cordon d'alimentation correspondant à la tension de la prise de courant approuvée et conforme aux normes de sécurité de votre pays.

1.4 Handling and Maintenance



General Guideline Guide Général

Keep the product at least 13 cm (5 inches) away from electrical appliances that can generate a strong magnetic field such as TV, refrigerator, motor, or a large audio speaker.

[FR] Garder le produit au moins à 13 cm (5 pouces) de distance des appareils électriques qui peuvent générer un fort champ magnétique comme une télévision, un réfrigérateur, un moteur, ou un important haut-parleur.

Do not place heavy objects on top of the tablet computer as this may damage the display.

[FR] Ne pas placer d'objets lourds sur le dessus de l'ordinateur tablette cela peut endommager l'écran.

The screen surface can be easily scratched. Use with care. Do not use paper towels to clean the display but use the included cleaning cloth. Avoid touching it with a pen or pencil.

[FR] La surface de l'écran peut être facilement rayée. Utiliser avec précaution. Ne pas utiliser de serviette en papier pour nettoyer l'écran mais utiliser le chiffon de nettoyage inclus. Éviter de toucher avec un stylo ou un crayon.

To maximize the life of the backlight in the display, allow backlight to automatically turn off as a result of power management. Avoid using a screen saver or other software that prevents the power management from working.

[FR] Pour maximiser la durée de vie du rétroéclairage de l'écran, autoriser le rétroéclairage résultant de la gestion de l'alimentation. Éviter d'utiliser un économiseur d'écran ou un autre logiciel empêchant la gestion de l'alimentation de fonctionner.



Cleaning Guideline Guide de nettoyage

Use a soft cloth moistened with water or a non-alkaline detergent to wipe the exterior of the product.

[FR] Utiliser un chiffon doux humidifié avec de l'eau ou un détergeant non alcalin pour essuyer l'extérieur du produit.

Gently wipe the display with a soft, lint-free cloth. Do not use alcohol or detergent on the product.

[FR] Essuyer délicatement l'écran avec un chiffon doux non pelucheux. Ne pas utiliser d'alcool ou un détergent sur le produit.



Touchscreen Guideline Guide de l'écran tactile

Use your finger or the stylus on 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.

1.5 Declaration of Conformity (DoC)

FCC Statement



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

1.5.1 This device may not cause harmful interference.

1.5.2 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+A1:2021
- IEC 60601-1-2:2014+AMD:2020
- EN 55011:2016+A2:2021

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

- IEC 60601-1-6:2010+AMD1:2013+AMD2:2020

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

Canada, Industry Canada (IC) Notices

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

(1) This device may not cause interference.

(2) This device must accept any interference, including interference that may cause undesired operation of the device.

Canada, avis d'Industry Canada (IC)

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

1. *L'appareil ne doit pas produire de brouillage;*
2. *L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.*

RF Exposure Information (SAR)

This device meets the government's requirements for exposure to radio waves. This device is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government.

The exposure standard employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6 W/kg. Tests for SAR are conducted using standard operating positions accepted by the FCC with the EUT transmitting at the specified power level in different channels.

Radio Frequency (RF) Exposure Information

The radiated output power of the Wireless Device is below the Industry Canada (IC) radio frequency exposure limits. The Wireless Device should be used in such a manner such that the potential for human contact during normal operation is minimized.

This device has been evaluated for and shown compliant with the IC Specific Absorption Rate ("SAR") limits when operated in portable exposure conditions.

Informations concernant l'exposition aux fréquences radio (RF)

La puissance de sortie émise par l'appareil de sans fil est inférieure à la limite d'exposition aux fréquences radio d'Industry Canada (IC). Utilisez l'appareil de sans fil de façon à minimiser les contacts humains lors du fonctionnement normal.

Ce dispositif a été évalué pour et démontré conforme à la Taux IC d'absorption spécifique ("SAR") des limites lorsqu'il est utilisé dans des conditions d'exposition portatifs.

Chapter 2: Getting Started

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



2.1 Introduction

M101MDT-HUB is a 10.1-inch Windows-based tablet computer designed for healthcare applications with a housing enhanced with antimicrobial properties, weighting at just 1200 grams (2.7 pounds). This mobile and portable device is flexible enough to function as a standalone device and competent enough to be used for all sorts of data collection, patient care, information management and wireless communication in healthcare applications. With rugged features, a crystal clear 1920 x 1200 resolution display, projected capacitive touch screen, barcode scanner and superior processing power coming from Intel's Apollo Lake processor, this tablet can be used in hospital halls, waiting rooms or nurse stations for communicating and documenting patient information, allowing paramedics and nurses to instantly access and keep patient records.

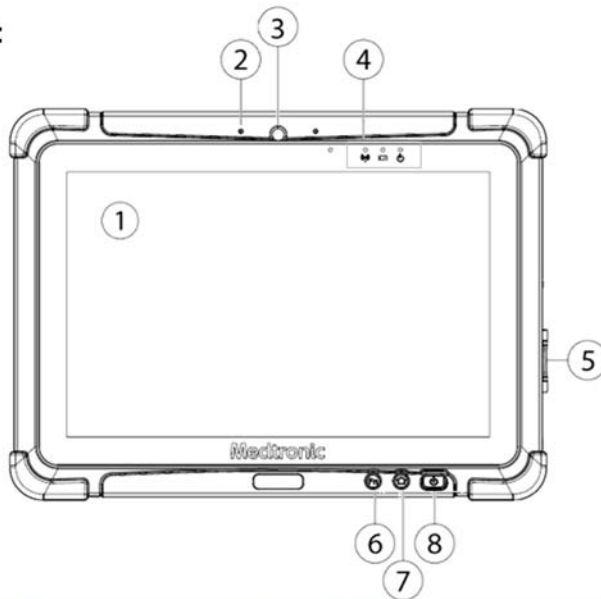
Highlights

- 10.1" 1920 x 1200 IPS LED Panel with direct optical bonding
- Intel® Apollo Lake Pentium N4200 processor
- Housing enhanced with antimicrobial properties
- 3 x Interface Port at rear side
- Lightweight, rugged, IP65 waterproof and dustproof
- IEC 60601-1, 60601-1-2 Certified for healthcare

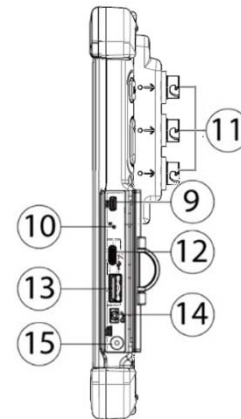
2.2 Description of Parts

Dimensions: 271.8 x 197.2 x 19 mm

Front:



Right:

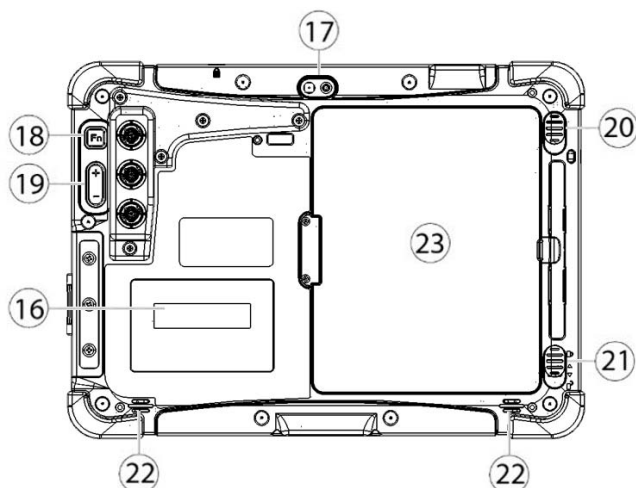
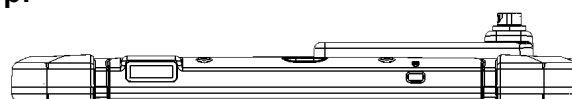
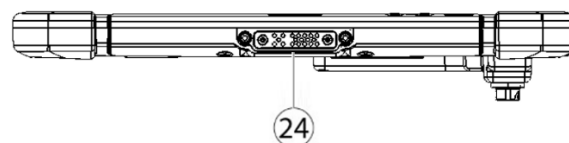


No	Item	Description
1	10.1" Touch Screen	Display and act as one of the inputs for the Tablet Computer
2	Digital Mic with noise cancellation	Use during video recordings and communications.
3	Front Camera	2 Megapixel Webcam
4	LED Indicators	Show the current status of the Tablet Computer. RF communications, battery status, power status.
5	I/O Cover	Protect I/O ports
6	Fn1 Button	Programmable function key configured by Hottab Utility
7	Menu Button	Hottab Quick Access
8	Power Button	Power on/off tablet

Front LED Indicator Details:



No	Item	Description
9	Micro HDMI	HDMI output to external display
10	Reset button	Hardware reset button.
11	Interface port	USB 2.0 thru 8-pin connector
12	USB 3.0 Type C	High speed USB port connects to USB devices, such as USB flash drive, mouse, keyboard, printer, etc. Note: The USB Type-C connector follows USB 3.0 standard, which does not support Alternate Mode (ALT) or USB Power Delivery (USB-PD).
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:**Top:****Bottom:**

No	Item	Description
16	UDI label recess	Recess reserved for UDI label.
17	Rear Camera with LED Flash	8MP Autofocus Camera. Captures photos and videos. The LED camera flash to provide flash lighting when use with camera.
18	Fn2 Button	Programmable function key configured by Hottab.
19	Brightness or Volume Buttons	Brightness/ Volume Control. (+) Up, (-) Down.
20	Battery Release Slider	Spring-loaded slider that latches the battery in.
21	Battery Lock Latch	Latch to lock the battery in place once battery is inserted. Not spring-loaded.
22	Speakers	Emit sounds.
23	Battery	7.4V, typ. 5140 mAh Li-Polymer Battery (2S1P)
24	Docking Connector	Port to docking solutions such as vehicle docking to provide power and external antenna

2.3 Hotkey 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):

In Windows:

Buttons	Keystroke	Buttons	Keystroke
Fn1	F6 to enter Recovery Menu	Menu	Hottab Quick Access
Fn2	Esc to enter BIOS setup screen	Fn1	Default: Web Browser
Up (+)	Up	Fn2	Default: Camera
Down (-)	Down	UP (+)	Up.
Menu + Fn1	Enter	Down (-)	Down.
Menu + Up (+)	Right	Power	Power ON/ OFF
Menu + Down (-)	Left	Up (+) + Down (-)	Ctrl + Alt + Del

LED Indicators:

Item	Icon	Description
Power Indicator		Blue – Tablet is ON No light – Tablet is OFF
Battery Status		Orange – P.S. is plugged in and charging Green – P.S. is plugged in and battery is full charged Blinking Orange – Low battery (<10%) No light – Battery is in use and more than 10%
Wireless Communication		Green – WiFi/Bluetooth is ON No light – WiFi/Bluetooth are all OFF

2.4 First-Time Operation

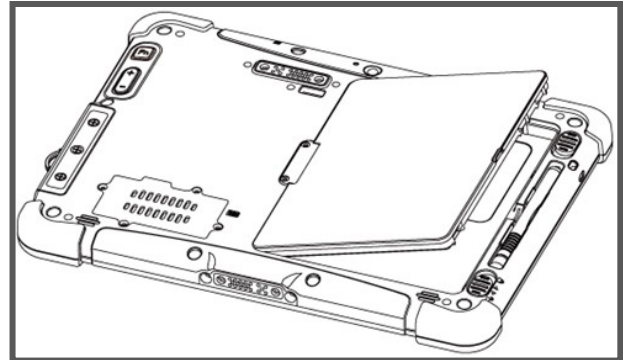
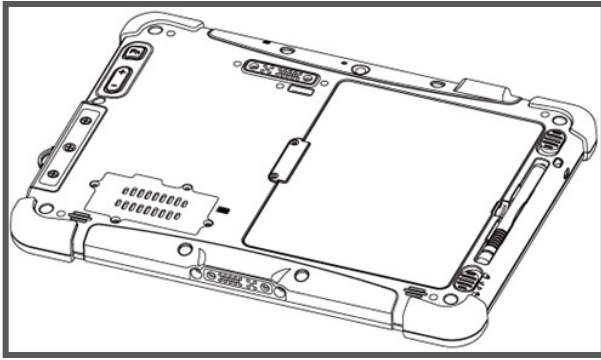
To get started:

1. Install the battery.
2. Charge your tablet.
3. Start the tablet.

2.5.1 Installing Battery

To install the standard 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.

2.5.2 Charging Your Tablet

The M101MDT-HUB Healthcare 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 for the first time.



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

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



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: Assurez-vous que la batterie est complètement chargée avant de commencer à utiliser la tablette PC pour la première fois.



Caution:

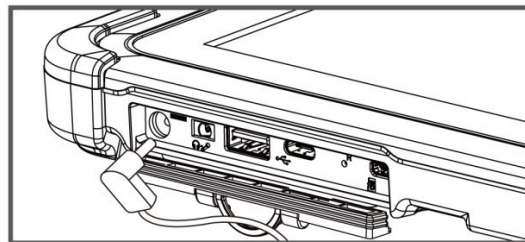
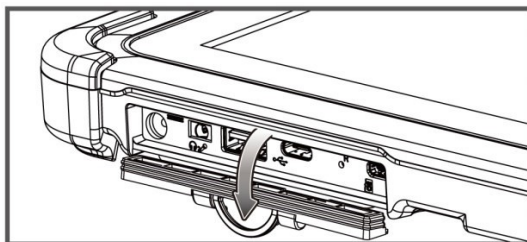
For use only Power Supply Globtek
(GTM96600-6019-T3)
Input : 100-240Vac, 50-60Hz, 1.5A,
Output : 19 VDC 3.15A Max.

Attention:

Pour utilisation uniquement Globtek
(GTM96600-6019-T3)
Entrée: 100-240Vac, 50-60Hz, 1.5A,
Sortie: 19 VDC 3.15A Max.

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 - P.S. is plugged in and charging

Green - P.S. is plugged in and battery is full charged

Blinking Orange - Low battery (<10%)

No light - Battery is in use and more than 10%

2.5.3 Starting the Tablet



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

Press and hold the power button for **1.5 to 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 the Tablet Computer to power off.



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

Chapter 3: Setting Up Windows

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



3.1 Introduction

The M101MDT-HUB Tablet Computer operates on Windows 10 IoT Enterprise operating system.



Caution: Make sure the battery is full charged before starting the tablet computer for the first time with internal battery power.

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

3.2 Setting up Windows 10 IoT Enterprise

Follow the steps below to complete the Windows 10 IoT Enterprise setup process.

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

Hi there

Let's get a few basic things out of the way.

What's your home country/region?

United States

What's your preferred app language?

English (United States)

What keyboard layout would you like to use?

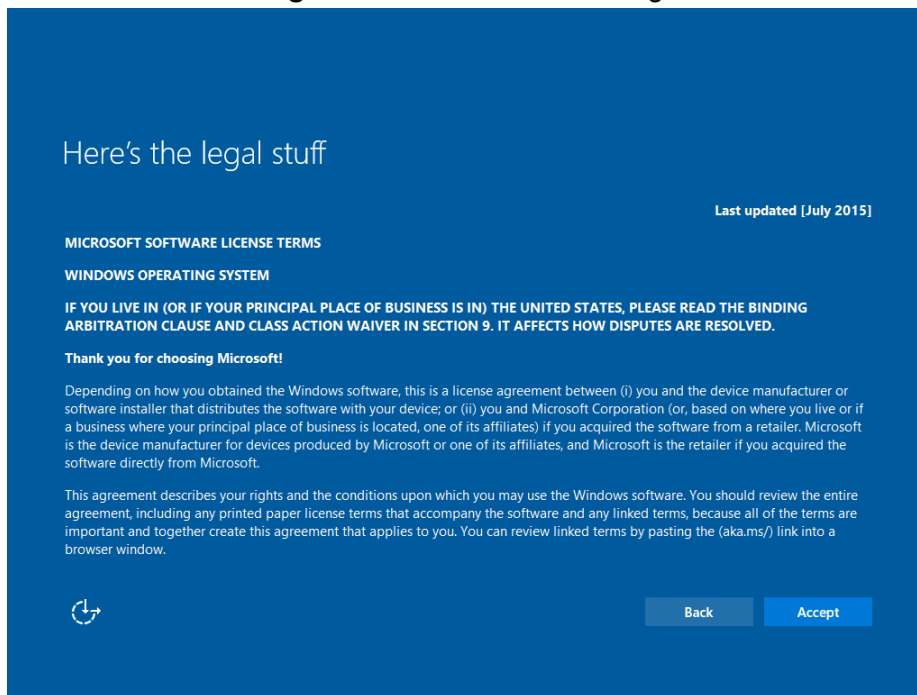
US

What time zone are you in?

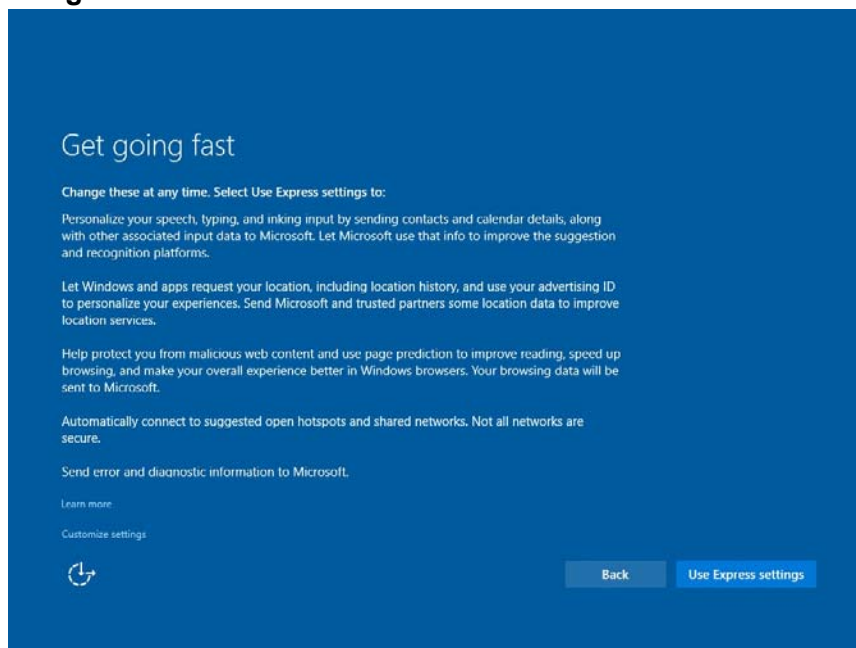
(UTC-08:00) Pacific Time (US & Canada)

Next

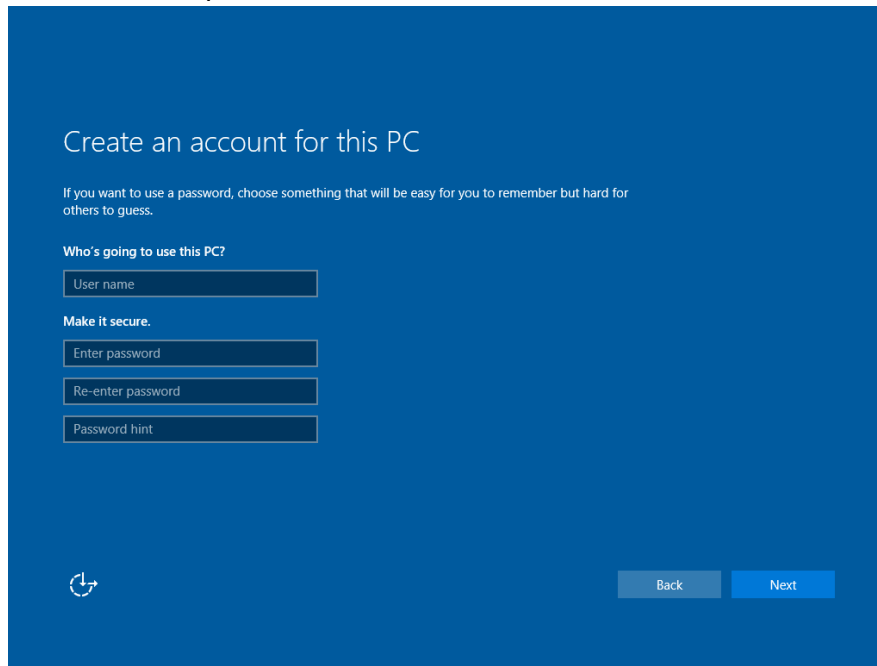
3. On the **Here's the legal stuff** screen, read through the disclosures, then tap **Accept**.



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



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



The screenshot shows the 'Create an account for this PC' window. At the top, it says 'Create an account for this PC'. Below that, a note states: 'If you want to use a password, choose something that will be easy for you to remember but hard for others to guess.' The form is divided into two sections. The first section, 'Who's going to use this PC?', contains a single text input field labeled 'User name'. The second section, 'Make it secure.', contains three text input fields: 'Enter password', 'Re-enter password', and 'Password hint'. At the bottom left is a circular arrow icon. At the bottom right are two buttons: 'Back' and 'Next'.

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

Chapter 4: Cleaning the Device

This chapter describes how to clean the M101MDT-HUB Tablet Computer properly.



4.1 Cleaning and Disinfection of the Device

Lightly dampen a section of a microfiber cloth with water and gently wipe the surface of tablet and docking station, then go over it again with a dry section of the cloth to wipe away any moisture. Avoid getting moisture in any openings like the battery connector, I/O ports, speaker, or microphone.

4.2 Cleaning Agent Allowed

- Ethanol 98.8%
- Ethanol 70%
- Isopropanol 70%
- Hydrogen Peroxide solution 0.5-1% concentration
- Sodium Hypochlorite solution 6500 ppm (household bleach diluted ~1:10)

Chapter 5: Frequently Used Settings

This chapter frequently used settings such as changing resolution and scaling, using recovery wizard, and docking connector description, also contain basic troubleshooting guide.



5.1 Screen Resolution Scaling and Setting

The M101's 1920 x 1200 high resolution display is perfect for viewing image, video, or other applications, however, Windows user interface (icons, buttons, and other user interface elements) may be too small to read and operate at the default Windows settings. By changing the display scaling or the display resolution setting of the device, you can adjust the size of the text and other items on the desktop for optimal viewing. Display scaling is the recommended method because it has the effect of adjusting user interface element without having to move away from the optimal resolution setting at 1920 x 1200. This section will explain how you can adjust the built-in windows display scaling setting and resolution setting.



Note:

- The M101MDT-HUB Healthcare Tablet computer is shipped with display scaling set at **Larger - 150%**. We recommend the users set the scaling to this setting for optimal text and image viewing.
- Before proceeding to change the scaling option, make sure any opened document is saved and close, and all running applications are closed before proceeding to change the display scaling, because this procedure requires users to log out of their account to apply display scaling change.

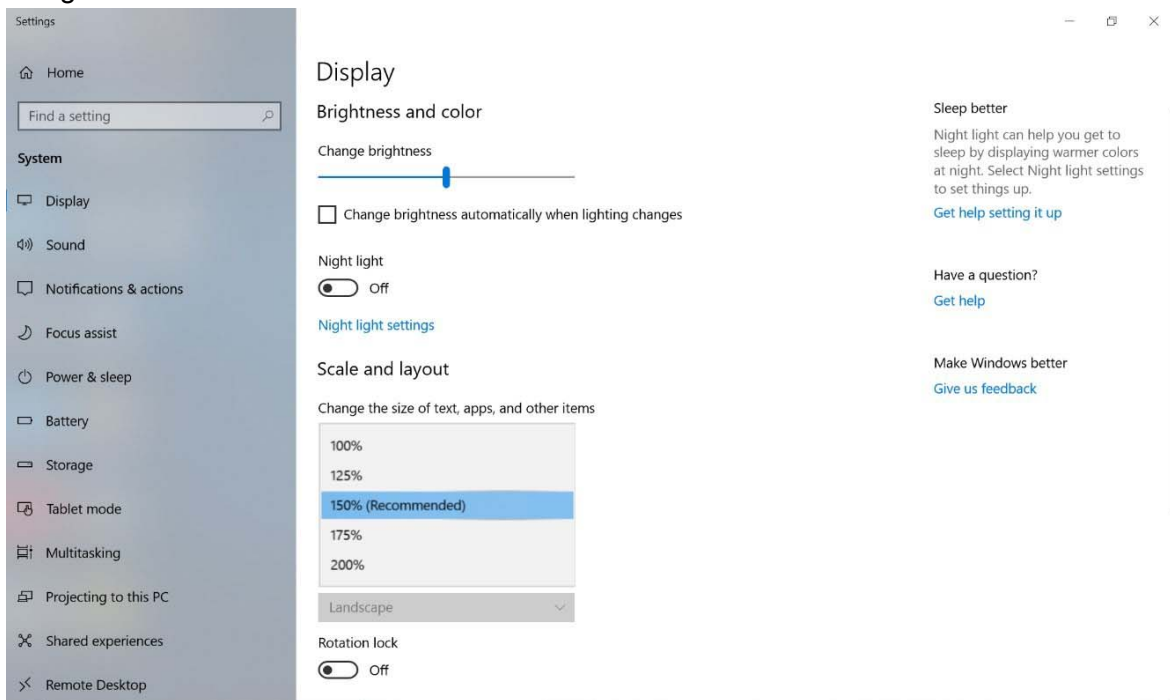
5.1.1 Changing Display Scaling (Recommended)

Perform the following to change display scaling setting:

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



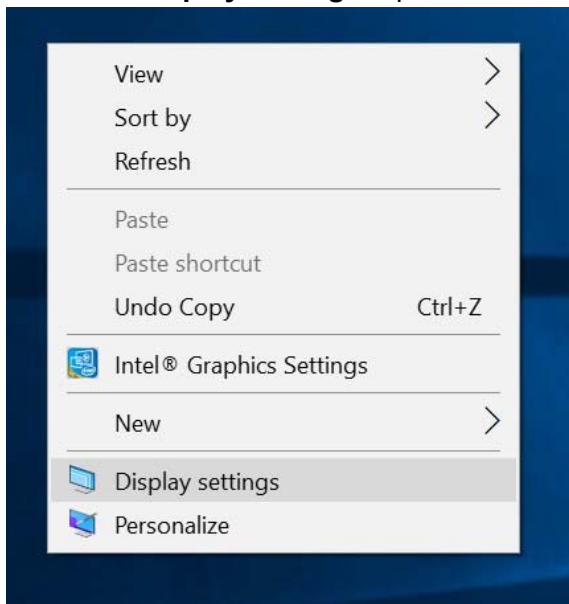
2. A “Display” Window will show up. Click on the dropdown option under the “**Scale and layout**” section and change the scaling option to “**150% (Recommended)**” or any other desired display scaling.



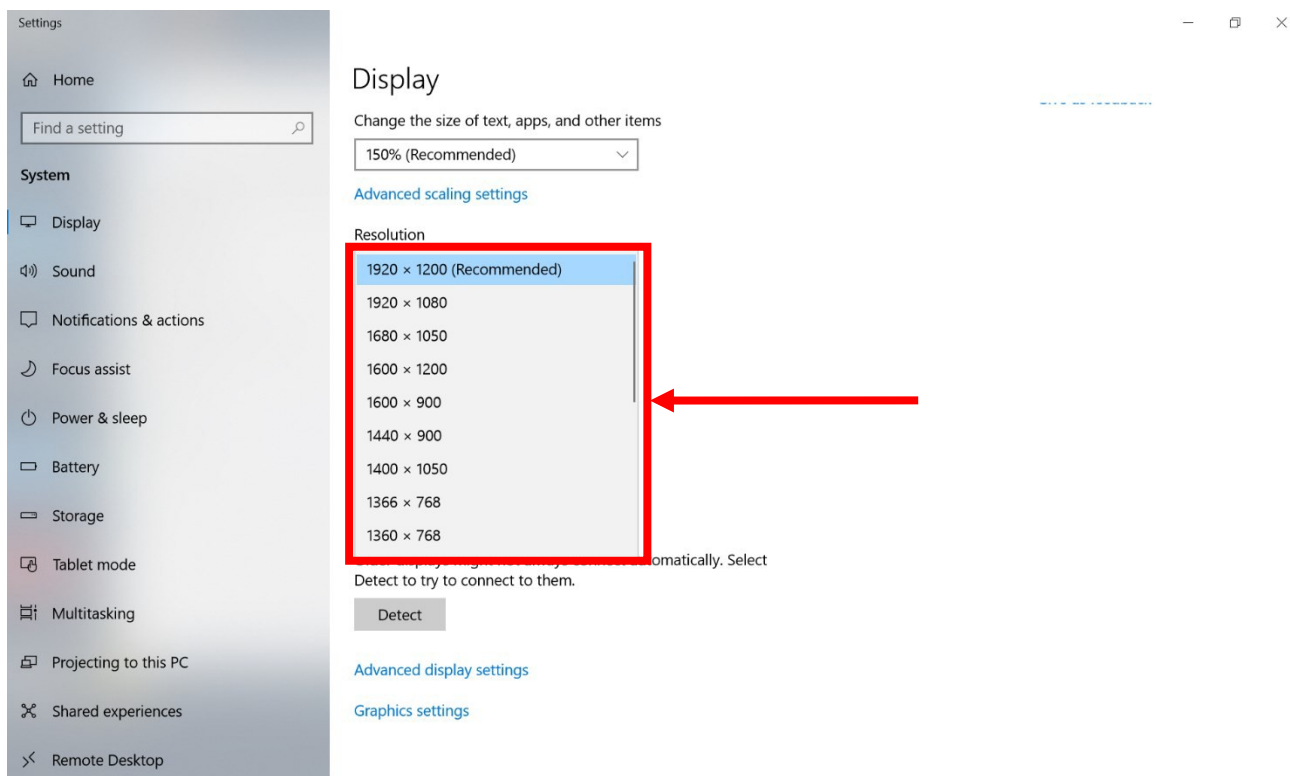
5.1.2 Changing Screen Resolution

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

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



- Click on the dropdown option next to “**Resolution**” and select the desired resolution by tapping on the scale:



- Hit “**Apply**”. A prompt “**Display Settings**” prompt will show up to ask the user if the applied resolution is usable.
- If the new resolution is the desired display setting hit “**Keep changes**” and continue to next step. If the new resolution is not desirable, hit “**Revert**” and select a different resolution to change to, and start again from step 2.
- The user may now use the device with the new resolution setting.

5.2 Replacing Battery

The M101MDT-HUB Tablet supports hot-swap, meaning the tablet doesn't need to be powered off to replace the main battery. To support hotswap, there is a backup battery inside the tablet that is charged together with the main battery. This battery cannot be removed, and requires adequate power for main battery hot swapping. When the backup battery is fully charged, the tablet can sustain up to 5 minutes of runtime for battery hot-swapping.

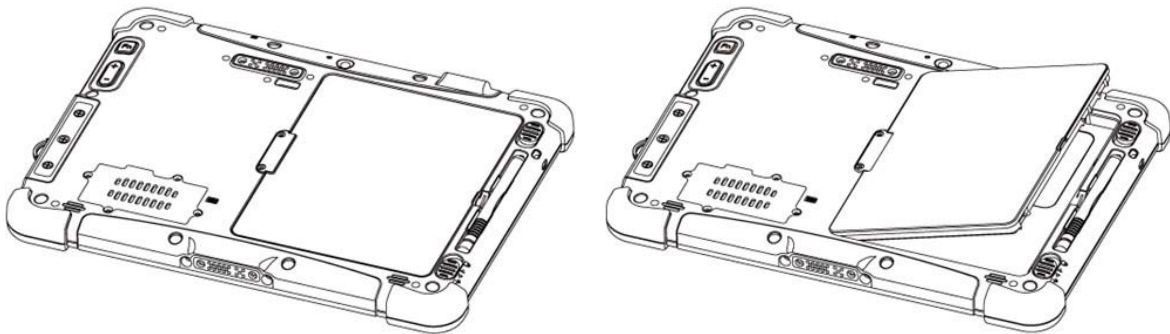
Perform the following to hot swap the batteries:

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



Caution: Charge the built-in back-up battery every two months to keep battery health and prevent possible issues from battery over-discharge.

Attention: chargez la batterie de secours intégrée tous les deux mois pour préserver son intégrité et éviter les problèmes de décharge excessive de la batterie.



5.3 Using Recovery Wizard to Restore Computer

The M101MDT-HUB Healthcare Tablet Computer has a dedicate recovery partition stored on the hard drive of the tablet to enable quick one-key recovery process. This partition occupies about 11GB of the storage space, and comes built-in to each M101MDT-HUB tablet computer.



Warning!

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

To enable quick one-key recovery procedure:

1. Plug-in the AC adapter to the tablet computer. Make sure the tablet computer stays plugged in to power source during the recovery process.

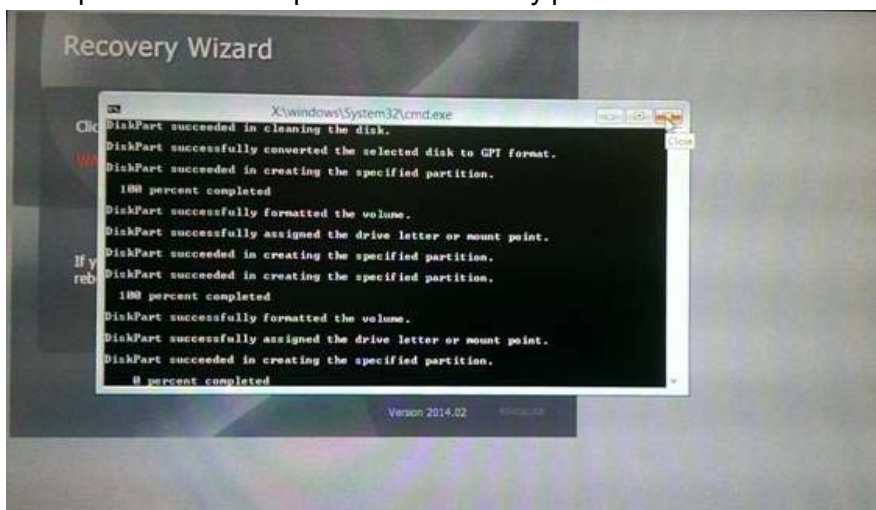
2. Power on the tablet computer, and when the boot screen shows up, press the **Fn1** button (Recovery Key) on the front bezel OR press **F6** when using an external USB keyboard to initiate the Recovery Wizard.
3. The following screen shows the Recovery Wizard. Click on "Recovery" button to continue.



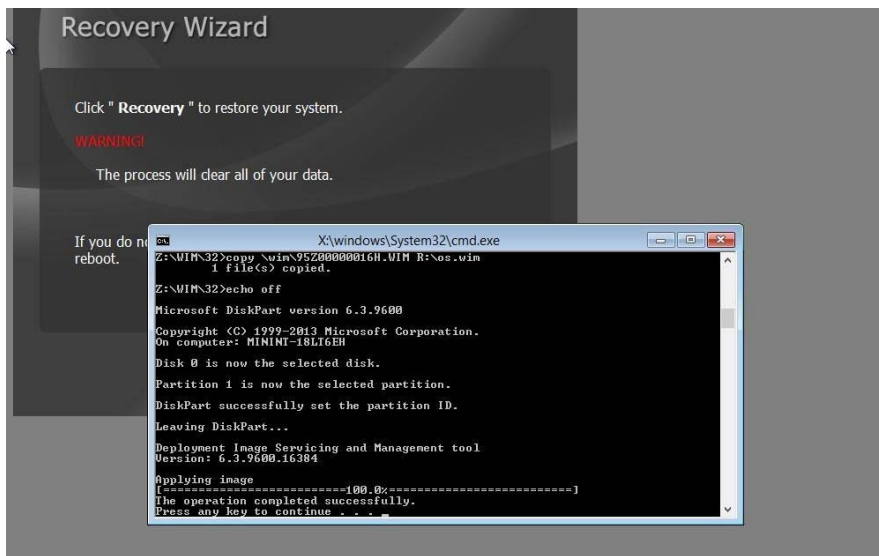
4. A warning message about data loss will show up. Make sure data is backed up before recovery, and click on "Yes" to continue.



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

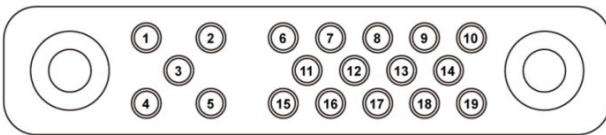


6. After recovery is completed, please press any key to continue, and the tablet computer will Shut down automatically.



5.4 Docking Connector Pin Definition

The M101MDT-HUB Healthcare Tablet Computer 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.	Pin Definition	Pin No.	Pin Definition
1	RF_GND	11	GPI
2	FAN_TACHO	12	GPO
3	NC	13	GND
4	RF_GND	14	Power
5	RF_GND	15	USB_D+
6	FAN_CONTROL	16	USB_D-
7	DOCK_DET (to EC)	17	GND
8	DET+ (for Docking)	18	GND
9	Power	19	DET- (for Docking)
10	Power		



Caution: Do not open when the expansion port is not used

Attention: Ne pas ouvrir lorsque le port d'extension n'est pas utilisé

5.5 Basic Troubleshooting

Problem	Solution
The removable battery is not charging.	Make sure the AC adapter is properly connected, and that the removable battery is properly inserted.
Nothing appears on the screen.	- The tablet computer may be in sleep mode. Press the power button to wake up the display. - The brightness level may be too low. Increase brightness.
The screen suddenly turns blank and the power indicator goes off.	- Make sure that LED indicator is not powered off in Hottab. - Make sure the AC adapter is properly connected. - If running on battery power, the battery may be depleted, charge the battery.
Wireless LAN signal quality is poor.	- The tablet computer may be out of range. Move the tablet computer closer to the access point or another wireless LAN device associated with it. - Check if your surroundings have interferences, such as microwave ovens, cordless phones. Move the tablet computer away from objects causing interference.
I cannot connect to another wireless LAN device.	- Make sure that wireless LAN feature is powered on. - Make sure that the SSID setting is the same for every wireless LAN device in the network. - Restart the tablet computer - Make sure the IP address or subnet mask setting is correct.
I cannot connect to another device with Bluetooth.	- Make sure that both devices have Bluetooth powered on (For the Tablet Computer, check Hottab to see if Bluetooth 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.
No sound is produced.	- 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.	- Make sure the VGA driver is installed. - Make sure the output setting selected is correct.
Battery leaking or swollen.	- The lithium battery used in this tablet may swell after being charged/ discharged many times, but there is no problem regarding safety. - Continued use in such a state may result in the battery getting jammed, so please stop using the battery, and - purchase a new one.

Chapter 6: Accessories

This chapter lists available accessories of M101MDT-HUB healthcare tablet computer, and introduces MD-M101 medical grade docking station.

6.1 Accessories Introduction

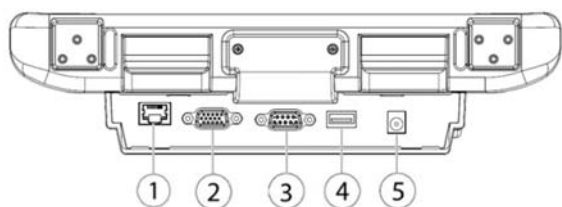
The M101MDT-HUB provides a variety of product support capabilities. Table below lists the accessories available.

Accessory	Part Number	Description
Power Supply	98K000A000MI	Provides power 100-240VAC to 19VDC@3.12A
Replaceable Battery	98K000A000EW	7.4V, typ. 5140 mAh Li-Ion Re-chargeable Battery (2S1P)
Grade Tablet Dock	98DT00A0003I	Docking station for charging and I/O expansion.

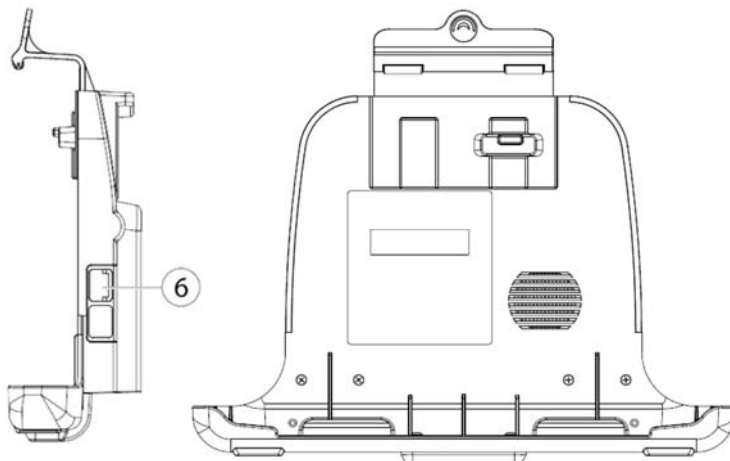
6.2 MD-M101 Medical Grade Docking Station

MD-M101 is a medical grade docking compatible with M101MDT-HUB healthcare tablet. Use the MD-M101 docking station to charge the tablet, to extend the I/O ports, and to mount a tablet on the IP pole or other fixtures.

Specifications



1. LAN (10/100)
2. VGA output
3. RS232
4. USB 2.0 (Type A)
5. DC Jack (19V in)
6. USB 2.0 (Type A)



Mounting

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

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