Rugged Windows Tablet M101B-series



Model No: M101B M101BL

User Guide

Version 1.3 Manual Part Number : 9171111K101E

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

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Chapter 1: Read Me First

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.

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

WARNING!/AVERTISSEMENT!

An Electrical Shock Warning indicates the potential harm from

electrical hazards and how to avoid the potential problem.

Un Avertissement de Choc Électriqueindique le potentiel de chocssur des emplacements électriques et comment évitercesproblèmes.

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 occurs.

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



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 dois pas être utilisé près de l'eau comme les baignoires, les éviers, 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.)

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.

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.

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.



Handling and Maintenance

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



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.

WINMATE

Declaration of Conformity (DoC)

Winmate.com.tw	WinMate Communication INC. 9F, No. 111-6, Shing-De Rd., San-chung Dist. New Taipei City 24158, Taiwan, R.O.C. TEL : 2-8511-0288 FAX : 2-8511-1108
CE EC-	Declaration of Conformity
The following equipment:	
Rugged Tablet PC	
(Product Name)	
M101B	L
(Model Designation / Trade Name)	
Winmate Communication INC.	
(Manufacturer Name)	
9F, No. 111-6, Shing-De Rd., San-Chung Dist, Ne	w Taipei 24158, Taiwan, R.O.C.
(Manufacturer Address)	
is hereby confirmed to comply with the requireme the Member States relating to	nts set out in the Council Directive on the Approximation of the Laws of
Electromagnetic Compatibility Directive (2004/10 Low Voltage Directive (2006/95/EC) Radio and Telecommunications Terminal Equipm	
 For the evaluation regarding the following standar EN 55022: 2010 Class B EN61000-3-2: 2006+A1: 2009+A2: 2009 EN61000-3-3: 2008 EN55024: 2010 IEC61000-4-3: 2006+A1: 2007+A2: 2010 IEC61000-4-4: 2012 IEC61000-4-4: 2012 IEC61000-4-5: 2005 IEC61000-4-6: 2008 IEC61000-4-8: 2009 IEC61000-4-11: 2004 	$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$
	zed representative established within the EUT is responsible for this
Winmate Communication INC.	L
(Company Name)	
9F, No. 111-6, Shing-De Rd., San-Chung City,	Taipei 241, Taiwan, R.O.C.
(Company Address)	
Person responsible for making this declaration	a:
Sam Liao	
(Name, Surname)	
R&D Center/ Manager	
RecD Center/ Wanager	
(Position / Title)	
	San.

[English]

The object of the declaration described above [A] is in conformity with the requirement of the following EU legislations [B]and harmonized standards [C]. Product also complies with the Council directions [D].

[German]

Das obenbeschriebeneObjekt [A] entsprichtden Anforderungen der nachfolgend aufgeführtenEU-Vorgben [B]und denharmonisierten Normen [C].

Das Produkt entspricht außerdem den EU-Direktiven [D].

[Franch]

L'objetde la déclarationdécrit ci-dessus[A] esten conformité avecl'exigencede la législationde l'UEsuivantes[B]et des normes harmonisées[C].

Produitégalement conforme auxorientations du Conseil[D].

Chapter 2: Getting Started

Thank you for purchasing this rugged Tablet Computer. The rugged design allows you to use it in harsh outdoor environments.

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

<u>Unpacking</u>

Check and identify the standard supplied accessories.

Standard factory shipment list:

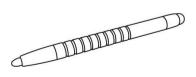
Tablet Computer



Power Adapter



• Capacitive Touch Stylus



• Standard Battery



Power Cord and Plugs



Driver CD



Optional Accessories

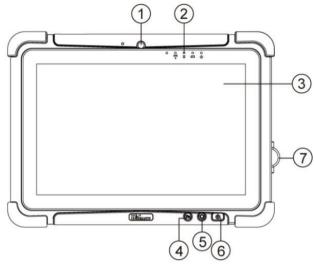
Your package may include optional accessories based on your order.

M101B offers the following optional accessories that can be purchased:

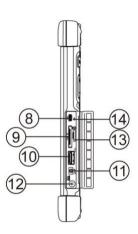
 Gigabit Ethernet Adapter For LAN from 30-pin extension port Length; 10 cm Connector: RJ45, female Gigabit LAN, 10/100/1000 Mbps 	 RS232 Ethernet Adapter For RS232 from 30-pin extension port Length:10 cm Connector: DB9 Serial RS232 Cable, female
 High Capacity Battery Capacity: 7.4V min. 10280 mAh, typ. 10600 mAh (2S2P) Li-Polymer Battery 	 Hand Strap Ergonomic hand-strap can help you handle the Rugged Tablet PC much more easily and comfortably.
 Battery Charger Dual charging bays supporting both BS101 and BL101. LED indicators to show current battery charging status. 	 Vehicle Charger Rapidly charges your M101B Tablet PC in your car while you drive Length: 3m
 Desk Docking 4 x USB 2.0 (2 x Rear, 2 x Side) 1 x LAN (10/100) 1 x VGA 1 x RS232 	 Vehicle Docking VESA Mounting support 4 x USB 2.0 (2 x Rear, 2 x Bottom) 1 x LAN (10/100) 1 x RS232 1 x GPS ANT SMA 9-36V DC IN with 3-pin terminal block Easy insert and release with Key-Lock
 Active stylus 2 x Side Buttons (Eraser, Barrel) Support Win7, Win8, Win10, Linux Replaceable Battery 0.9V~1.8V, AAAA*1 Pen tip Diameter : 2.0 +/- 0.2mm 	

Description Of Parts

Front:

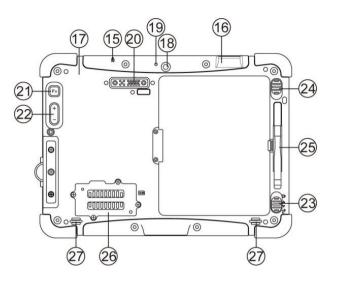


Right:



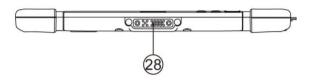
No	Item	Description	No	ltem	Description
1	Front Camera	2 Megapixel Webcam	8	Micro HDMI	HDMI output to
	LED	Show the current status			external display
	Indicators:	of the Tablet Computer	9	LAN/RS232	Adapter port for
					LAN/RS232 connector
2	Front LED Indi	cators Detail:	10	USB 3.0	High speed USB port
	0 0	0 0			connects to USB
		0 0			devices, such as USB
		回 ()			flash drive, mouse,
					keyboard, printer, etc.
	TILO	Display and act as one	11	Mic In/Line	Headset or headphone
3	Touch Screen	of the inputs for the		Out	can be connected (Mic
		Tablet Computer			is only supported with
		Programmable function			3.5mm 4-pin headset)
4	Fn1 Button	key configured by	12	Power Jack	DC-IN power input jack
		Hottab Utility	13	MicroSD	Memory card reader
5	Menu Button	Hottab Quick Access		Card Reader	port for MicroSD Card
6	Power Button	Power on/off tablet	14	Reset Button	Hardware reset button
7	I/O Cover	Protect I/O ports			

Rear:



No	ltem	Description
15	Kensington	Provide lock access
	Lock Port	for Kensington Lock.
16	Optional	Barcode Scanner for
	Barcode	reading of 1D/2D
		barcode.
17	Optional RFID	RFID reader for
		reading of RFID tags.
18	Rear Camera	5MP Autofocus
		Camera. Captures
		photos and videos.
19	Camera Flash	LED camera flash to
		provide flash lighting
		when use with
		camera.
20	Expansion	Provide optional
	Port	connectivity to custom
		modules for special
		application (USB2.0 x
		1 , RS232 x 1).
21	Fn2 Button	Programmable
		function key
		configured by Hottab
22	Valuesa	Utility Volume Control.
22	Volume	
	Buttons	(+) Raise volume,
23	Potton Look	(-) Lower volume. Latch to lock the
23	Battery Lock Latch	
	Laton	battery in place once battery is inserted. Not
		spring-loaded.
24	Battery	Spring-loaded slider
24	Release Slider	that latches the battery
	IVEIEASE OIIUEI	in.

Bottom:



No	ltem	Description
25	Touch Pen	Pen holder slot to
	Slot	store touch pen
26	3G / LTE	Service window to
	Module / SIM	insert Micro SIM card.
	card slot	Also provide access to
		3G / LTE Module.
27	Speakers	Emit sounds.
28	Docking	Port to docking
	Connector	solutions such as
		vehicle docking to
		provide power and
		external antenna



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:

Under Windows:

Buttons	Keystroke
Menu	F7 to enter
	BIOS setup
	screen
Fn1	F6 to enter
	Recovery Menu
Fn2	ESC
Volume Up (+)	Up
Volume Down (-)	Down
Menu + Fn1	Enter
Menu + Volume Up (+)	Right
Menu + Volume Down (-)	Left

Buttons	Keystroke
Menu	Hottab Quick Access
Fn1	Default: Web Browser
Fn2	Default: Camera
Volume UP (+)	Raise volume
Volume Down (-)	Lower volume.
Power	Power ON/ OFF
Volume Up (+) +	Ctrl + Alt + Del
Volume Down (-)	

LED Indicators:

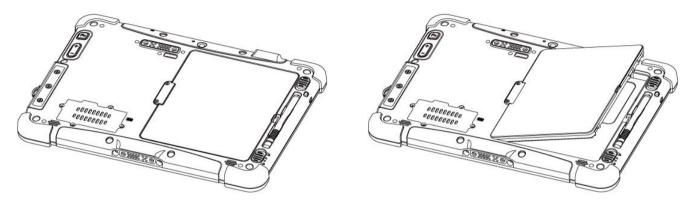
Item		Description
Power Indicator		Blue– Tablet is ON
	0	No light– Tablet is OFF
Battery Status		Orange–AC adapter is plugged in and charging
	_	Green–AC adapter is plugged in and battery is full charged
		Solid Red - Low battery (<10%)
		Blinking Red – Battery is being hot swapped.
		No light – Battery is in use and more than 10%
Disk Activity	ll	Green - Disk Activity
Indicator	-	No light - Disk Idling
RF Communication	((•))	Green - WiFi/BT/WWAN/GPS ON
		No light - WiFi/BT/WWAN/GPS are all OFF

First-time Operation

Inserting Battery Pack

To insert the standard battery pack into the Tablet Computer:

- 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.
- 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

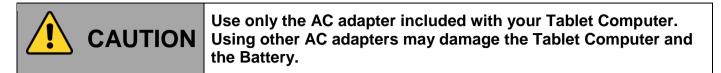
- 1. Power off the tablet computer (or put it to sleep). Disconnect any cords connected to the computer.
- 2. Turn the tablet computer over, back facing up.
- 3. Locate the Battery Lock Latch and push it to the "Unlocked" position.
- 4. Locate the Battery Release Slider that is spring-loaded. Pull back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

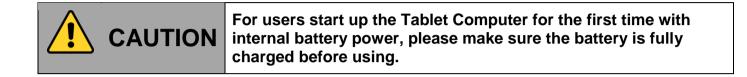


Connecting to Power Supply

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.

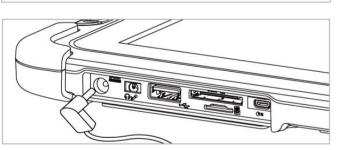




Perform the following to connect the Tablet computer to AC Power:

- 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.

Item	Hours
Battery Life	
Standard Battery (BS101)	8 Hours
High Capacity Battery (BL101)	16 Hours
Item	Hours
Item Battery Charging hours	Hours
	Hours 2.5 Hours

Powering On / Off

Powering On

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

ſ	

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
 - \circ $\;$ Touching the tablet buttons, screen, or external keyboard/mouse $\;$

Powering Off

Perform the following procedure to power off the Tablet Computer:

- 1. Make sure you have closed any programs that are open on the Desktop. Start Screen apps don't need to be closed.
- 2. Under Windows 8.1 OS, open the Charms Bar by swiping your finger from the far right of the screen towards the middle of the screen.
- 3. Tap on the **Settings** charm.
- 4. Tap on **Power**.
- 5. Tap on Shut Down.
- 6. Wait for Tablet Computer to power off.



Note:

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



Chapter 3: Setting Up Windows for the First Time



Note:

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

This section details how to setup different version of the Windows that may be installed on the tablet for the first time.



Please notice that BIOS will vary with different Windows OS; for users going to change OS, please contact our sales contact window for details.

Setting Up Windows Embedded Standard 7 (WS7P)

During the setup process, you create a user name and password, verify the correct time and date, and then choose your Internet network.

Creating a user name and password

- 1. Create a User name. (This user name is for the administrator of the computer.)
- 2. Type the selected user name in the text box, and then click Next.
- 3. On the next screen, type the password in the text box, retype the password in the next box, and then click **Next**.

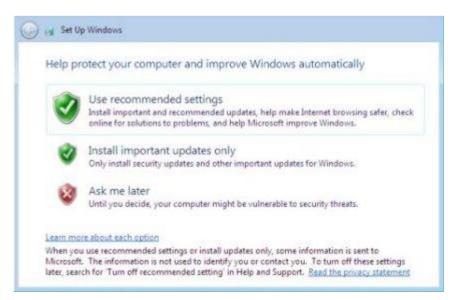
License Agreement

The next screen requests confirmation that you accept the Software License Terms and the End User License Agreement.

Click both check boxes and then click Next.

Protecting your computer

The next screen displays options for protecting the security of your computer and for receiving Windows updates.



You have three choices:

- 1. Use recommended settings (automatically downloads and installs all updates provided by Microsoft)
- 2. Install important updates only (only downloads and installs critical updates)
- 3. Ask me later.

Click the option you wish to use.

Reviewing your time and date settings

The next screen contains options for changing the date and time settings.

Time zo	w your t	inc an	u uute	secong	2			
	8:00) Pacif	ic Time (US & Car	nada)			•	
V Auto	matically a	adjust clo	ck for Da	ylight Sa	ving Tim	ne		
Date:				Tim	ne:			
•	March,	2009			R	17		
Su M 22 23	7u We	Th Fr 26 27	Sa 28	1	-			
1 2	3 4	5 6	7	10		T		
8 9	10 11	12 13 19 20		1	-	1.	/	
22 23	24 25	26 27	28		ture	I. A.		
29 30		2 3	4		3.36.3	9 PM		

Verify your time zone, time, and date. Make any necessary changes. Then click Next to continue.

Choosing your computer's network

If you have a home network, connect with an Ethernet cable or activate the Wireless feature before continuing.

Use the following steps to setup your computer network:

- 1. Choose a wireless network from the list.
- If you do not see your network, click Connect to a hidden wireless network, enter the network name, and select the security type and encryption type. Or, click Skip to continue without a wireless connection and set it up later.
- 3. From the next screen, select one of the following locations for your computer:
- **Home network:** Select this location if all the computers on this network are at your home and you recognize them. This is a trusted home network.
- Work network: Select this location if all the computers on this network are at your workplace and you recognize them. This is a trusted work network.

M101B-Series User Guide



 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.



4. Click the location where you will most often use the computer.

Completing Windows 7 Setup

After completing Windows 7 setup, a Preparing your desktop screen displays. Please allow several minutes for Windows to save your settings.

Setting Up Windows 7 Ultimate/Professional

Follow the steps below to complete the setup process.

- 1. Press the power button to power on the computer.
- 2. First select your region and language information, and then tap Next

	Set Up Windows
	aria windows [:] 7 Ultimate
-	Country or region: United States Time and currency: English (United States) Keyboard layout: US
¢	
	Copyright © 2009 Microsoft Corporation. All rights reserved.

3. Type in a user name for your account to be used on this PC and tap Next

🚱 🧃 Set Up Windows		
Choose a user name for y	Windows 7 Ultimate your account and name your computer to distinguish it on the network. Type a user name (for example, John): Test Type a computer name: Test-PC	**
¢	Copyright © 2009 Microsoft Corporation. All rights reserved.	



4. Type in a password for your account and tap Next

😡 🥪 Set Up Windows
Set a password for your account Creating a password is a smart security precaution that helps protect your user account from
unwanted users. Be sure to remember your password or keep it in a safe place. Type a password (recommended):
Type a password hint:
Choose a word or phrase that helps you remember your password. If you forget your password, Windows will show you your hint.
Nex

5. Now enter the product key that came with the computer and tap **Next**. For this version of the Windows, a product key entry is required when setting up the computer for the first time.

🚱 🧃 Set Up Windows
Type your Windows product key
You can find your Windows product key on a label included with the package that came with your copy of Windows. The label might also be on your computer case. Activation pairs your product key with your computer.
The product key looks similar to this:
PRODUCT KEY: XXXXX-XXXXX-XXXXX-XXXXX-XXXXXX-XXXXXX-XXXX
(dashes will be added automatically)
✓ Automatically activate Windows when I'm online
*
What is activation?
Read our privacy statement
Skip Next
Ship Her

6. On the license terms screen, click on the license terms and tap Next

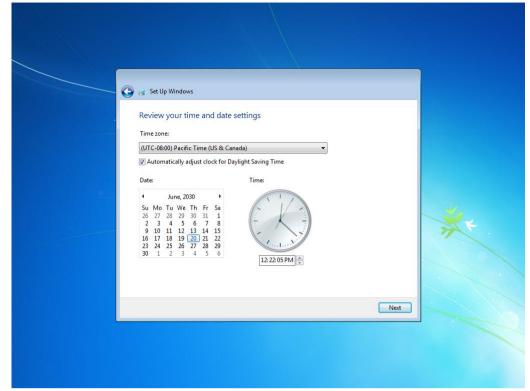
🕞 👩 Set Up Windows			
Please read the license terms MICROSOFT SOFTWARE LICENSE TERMS WINDOWS 7 ULTIMATE SERVICE PACK 1 These license terms are an agreement between Microsoft Corporation (or based on where you live, one of its affiliates) and you. Please read them. They apply to the software named above, which includes the media on which you received it, if any. Printed-paper license terms, which may come with the software, may replace or modify any on-screen license terms. The terms also apply to any Microsoft	•	**	
I accept the license terms Ne	xt		

7. For the update option, choose Use recommended settings for Windows to install updates. If you do not wish Windows to do so, choose the other options accordingly.

G	eji Set Up Windows
	Help protect your computer and improve Windows automatically
	Use recommended settings Install important and recommended updates, help make Internet browsing safer, check online for solutions to problems, and help Microsoft improve Windows.
	Install important updates only Only install security updates and other important updates for Windows.
	So Ask me later Until you decide, your computer might be vulnerable to security threats.
	Learn more about each option When you use recommended settings or install updates only, some information is sent to Microsoft. The information is not used to identify you or contact you. To turn off these settings later, search for 'Turn off recommended setting' in Help and Support. <u>Read the privacy statement</u>



8. Next, review the date and time settings on the computer



9. Select the computer current location for network privacy setting. Choose the location below to your actual usage accordingly.

G	👩 Set Up Windows	
	Select your computer's current location	
	This computer is connected to a network. Windows will automatically apply the correct network settings based on the network's location.	
	Home network If all the computers on this network are at your home, and you recognize them, this is a trusted home network. Don't choose this for public places such as coffee shops or airports.	
	Work network If all the computers on this network are at your workplace, and you recognize them, thi is a trusted work network. Don't choose this for public places such as coffee shops or airports.	s
	Public network If you don't recognize all the computers on the network (for example, you're in a coffee shop or airport, or you have mobile broadband), this is a public network and is not trusted.	
	If you aren't sure, select Public network.	

10. Allow time for windows to setup your desktop for the first time.



11. Now the computer is ready to be used.



Setting Up Windows Embedded 8 Standard

Follow the steps below to complete the setup process.

- 1. Press the power button to power on the computer.
- 2. Check I accept the license terms for using Windows to accept the terms, and then click or tap Accept.

Please read this so you know what you're agreeing to.	
MICROSOFT SOFTWARE LICENSE TERMS	
WINDOWS EMBEDDED 8 STANDARD	
These license terms are an agreement between Microsoft Corporation (or based on where you live, one of its read them. They apply to the software named above, which includes the media on which you received it, if an any Microsoft	
• updates,	
• supplements,	
Internet-based services, and	
support services	
for this software, unless other terms accompany those items. If so, those terms apply.	
By using the software, you accept these terms. If you do not accept them, do not use the softwa	are.
As described below, using some features also operates as your consent to the transmission of co computer information for Internet-based services.	ertain standard
If you comply with these license terms, you have the perpetual rights below.	
✓ I accept the license terms for using Windows	
	Accept

3. On the **Personalize** screen, choose a color you like – you can always change this later from the Start screen.

Pick a color you like ar	nd give your PC a name-an <u>y</u>	y name you want. You'll	be able to personalize	more later.
PC name Example: livingroom-	pc			

4. In the **PC name** field, type a name for your computer, and then click or tap **Next**.

Persona	alize	
Pick a color you like and	give your PC a name–any name you want. You'll be able	to personalize more later.
Enter a name for this PC.		
PC name Winmate	×	
Winnate	<u>^</u>	
7		Next

5. On the **Settings page** screen, choose **Use express settings** for the fastest setup.

Express settings
You can customize the following settings or choose express settings. If you choose express settings, your PC will occasionally send info to Microsoft and will:
Automatically install important and recommended updates.
Help protect your PC from unsafe files and websites.
Turn on Do Not Track in Internet Explorer.
 Help improve Microsoft software, services, and location services by sending us info.
Check online for solutions to problems.
 Let apps give you personalized content based on your PC's location, name, and account picture.
Turn on sharing and connect to devices on this network.
Country or region: United States; Keyboard layout: US.
Learn more about express settings
Privacy statement



6. On the Sign in to your PC screen, choose to create a Local account.

There are two options for signing in:
Microsoft account
Signing in to PCs with your email address lets you:
Download apps from Windows Store.
 Get your online content in Microsoft apps automatically. Make your PCs look and feel the same by syncing settings online, like your browser favorites and history,
 Make your PCs hook and reet the same by syncing settings unline, like your browser ravortes and instury, languages, and sign-in info for the services you care about. (Some info will be sent to Microsoft, but you can change this later.)
Local account
Signing in with a local account means:
You have to create a user name and account for each PC you use.
You'll need a Microsoft account to download apps, but you can set it up later.
Your settings won't be synced across the PCs that you use.
Microsoft account

7. Windows will then try to connect to network. Ignore attempt to connect to internet as you do not need internet connection to finish setup your pc.

*		
	: Checking your Internet connection	
	. Checking your internet connection	

8. Type your username and password to create a local account, and then click or tap **Finish**.

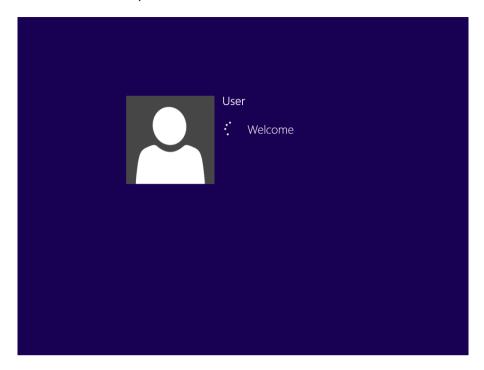
¢	Sign in to	your PC		
	If you want a password, choose	something that will be easy for you	to remember but hard for others to	guess.
	User name User	×		
	Password			
	Reenter password			
	Password <u>h</u> int			
¢				<u>F</u> inish

9. Windows may take some time to finalize your settings.

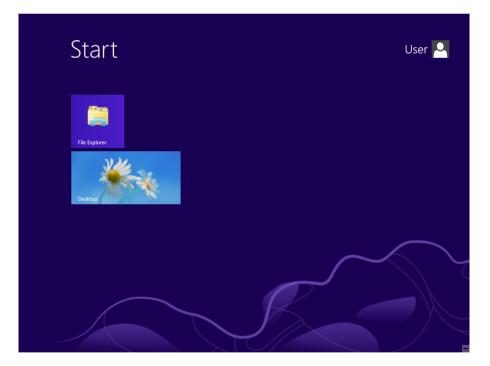
∵ Finalizing your settings	



10. On the **Windows Sign-in** screen, enter the user name and password that you set up earlier, and then press **Enter**.



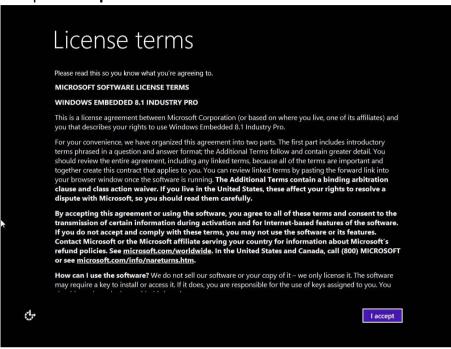
11. Once Windows finishes login, you are now ready to use the PC



Setting Up Windows Embedded 8.1 Industry Pro

Follow the steps below to complete the setup process.

- 1. Press the power button to power on the computer.
- Check I accept the license terms for using Windows to accept the terms, and then click or tap" I Accept".



3. On the **Personalize** screen, choose a color you like – you can always change this later from the Start screen.

	h	
	Personalize	
	Pick a color you like and give your PC a name. You'll be able to personalize more later.	
	PC name	
	Example: livingroom-pc	
Ŷ	Next	



4. In the **PC name** field, type a name for your computer, and then click or tap **Next**.

	Dersenelize
	Personalize
	Pick a color you like and give your PC a name. You'll be able to personalize more later.
	PC name Winmate X
¢	Next

5. On the Settings page screen, choose Use express settings for the fastest setup.

¢	Settings
	 Express settings We recommend these settings, which include occasionally sending info to Microsoft. You can customize these settings now or later. Automatically find and connect to devices and content on this network. Automatically install Windows updates, app updates, and device software. Turn on Do Not Track in Internet Explorer. Help protect your PC from unsafe files, apps, and websites, and check online for solutions to problems. Help improve Microsoft software, services, and location services by sending us info. Use Bing to get search suggestions and web results in Windows Search, and let Microsoft use your location and other info to personalize your experiences. In Internet Explorer, use page prediction to preload pages, which sends your browsing history to Microsoft. Let Windows and apps use your name, account picture, and advertising ID, and request your location from the Windows Location Platform.
¢	Learn more about express settings Privacy statement Use express settings Customize

6. Windows will then try to connect to network. Ignore attempt to connect to internet as you do not need internet connection to finish setup your pc.

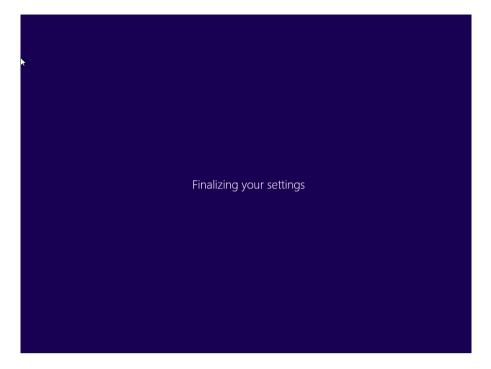


7. On **Your account** screen, type your username and password to create a local account, and then click or tap **Finish**.

*				
	€	Your ad	count	
		If you want a password,	choose something that will be easy for you to remember but hard for others to guess.	
		User name	Example: John	
		Password		
		Reenter password		
		Password hint		
	÷		Finish	



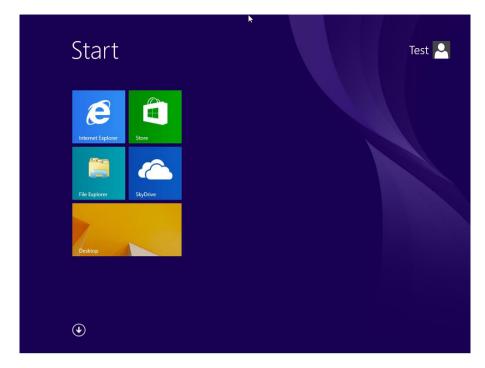
8. Windows may take some time to finalize your settings.



9. On the **Windows Sign-in** screen, enter the user name and password that you set up earlier, and then press **Enter**.

	ēst •• Please wait	

10. Once Windows finishes login, you are now ready to use the PC





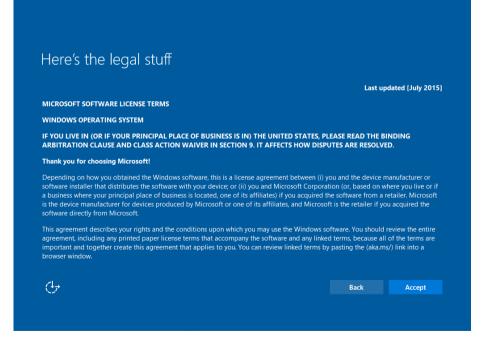
Setting Up Windows 10 IoT Enterprise

Follow the steps below to complete the 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)	~		
<u> </u>			
What keyboard layout would you like to use?			
	~		
What keyboard layout would you like to use? US	~		
What keyboard layout would you like to use? US What time zone are you in?			
What keyboard layout would you like to use? US	~		
What keyboard layout would you like to use? US What time zone are you in?			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**.

Get going fast				
Change these at any time. Select Use Exp	ress settings to:			
Personalize your speech, typing, and inking with other associated input data to Micros and recognition platforms.				
Let Windows and apps request your locati to personalize your experiences. Send Mici location services.				
Help protect you from malicious web cont browsing, and make your overall experience sent to Microsoft.				
Automatically connect to suggested open secure.	hotspots and shared networks	s. Not all networks a	re	
Send error and diagnostic information to N	Microsoft.			

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

If you want to use a password, choos others to guess.	se something that w	ill be easy for you to	remember but hard fo	r	
Who's going to use this PC?					
Make it secure.					
Enter password					
Re-enter password					
Password hint					

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

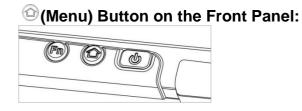


Chapter 4: Operating The Device

Hottab Introduction

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

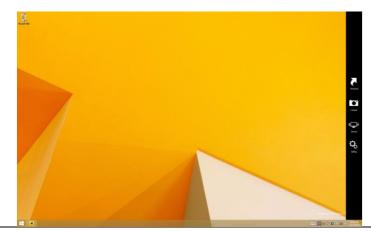
As Windows starts up, Hottab starts and runs in the background. To display the Hottab control utility, press the (Menu) Button located on the front panel, OR launching the Hottab Utility application.

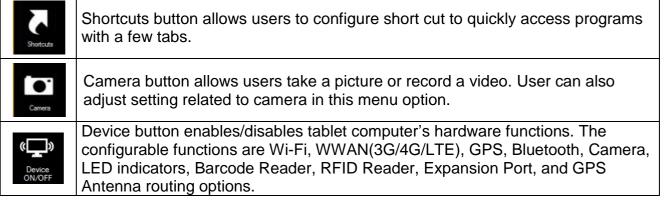


Hottab Utility Icon:



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







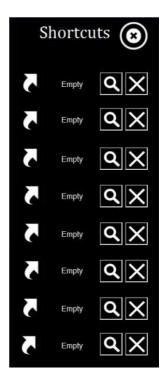
Setting button provides users information such as PC Information, Battery status, and also device settings such as power management setting, and function key mappings.

Shortcuts

Set up On-screen Software Shortcuts

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

Short Cut Menu:



To store a new shortcut:

- Open the Hottab utility by press the ^(D) (Menu) Button located on the front panel, OR launching the Hottab Utility application.
- 2. Tap on the **Shortcuts** button.
- 3. Tap on **Q** button of any empty slot.
- 4. An on screen file browser will appear.
- 5. Browse to find the desired application to have shortcut.
- 6. Click "Open" to save the shortcut.

To remove an saved shortcut:

- Open the Hottab utility by press the ^(D) (Menu) Button located on the front panel, OR launching the Hottab Utility application.
- 8. Tap on the **Shortcuts** button.
- 9. Tap on the **X** button of any saved slot to remove
- 10. Shortcut will be removed, and once again show "Empty" to indicate slot is empty.

Tap on the Soutton will hide the Hottab Utility Menu.

Using the Hottab shortcuts:

- 1. Open the Hottab utility by press the ^(D) (Menu) Button located on the front panel, OR launching the Hottab Utility application.
- 2. Tap on the **Shortcuts** button.
- 3. Tap on the saved shortcut items to access the saved programs.



Camera

Using Camera Features

This Hottab menu option allows users take a picture or record a video. Before use, make sure the Camera is powered on under Devices ON/OFF menu with the following scenarios:

- 1. Open the Hottab utility by press the ^(C) (Menu) Button located on the front panel, OR launching the Hottab Utility application.
- 2. Tap on "Device ON/OFF" button to check the built-in devices status.
- 3. Check the status color of the **Camera** icon:

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

- 4. If the Camera feature is disabled (white), tap on the Camera icon to enable it (orange).
- 5. Go back to the Hottab main menu by pressing the ⁽¹⁾ (Menu) Button located on the front panel OR click on the back arrow on top.
- 6. Tap on the **Camera** icon to go into the Camera menu. The Camera user interface will take up the entire screen as shown below:



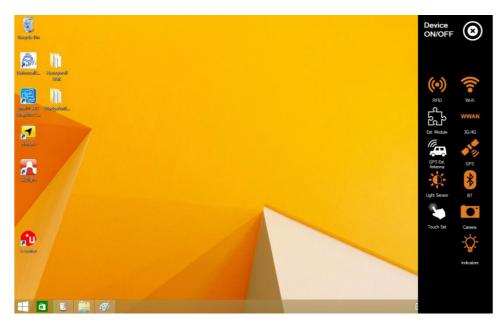
Description of Camera User Interface Buttons:

No	Item		Description
1	Camera Switch	¢ ©	Switch between front camera or rear camera.
2	Settings	[عر	 Brings up Camera settings page. Available Settings: Picture Save: modify/inspect saved location for pictures. Video Save Folder: modify/inspect saved location for video recordings. Picture Quality: Picture compression quality.
3	Flash Control	3	Disables LED Flash when taking picture.
		_\$ ^{0ℕ'}	pictures. LED Flash fires automatically in low light condition
		L \$ `	when taking pictures.
4	Resolution	640 480	Pictures will be saved at resolution of 640 x 480.
		1024 768	Pictures will be saved at resolution of 1024 x 768.
		1600 1200	Pictures will be saved at resolution of 1600 x 1200.
		2592 1944	Pictures will be saved at resolution of 2592 x 1944.
5	Exit	$[\mathbf{X}]$	Exits the Camera and hide Hottab Utility.
6	Picture/Video Mode Switch	ظ، م	Switches between picture taking or video recording.
7	Shutter/Record (automatically switch base on		Camera Shutter Button. Tap to take picture.
	mode)	0	Video Record Button. Tap to Start, and press again to stop recording.
8	Open Saved Location		Opens the location where pictures and videos are saved in a window.



Device ON/OFF

This section provides an quick access to set-up built-in devices, including turning on/off RF modules, setting up barcode reader, RFID reader, and expansion modules.



Using the Wireless LAN (Wi-Fi) feature

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

- 1. Open the Hottab utility by press the ^(D) (Menu) Button located on the front panel, OR launching the Hottab Utility application.
- 2. Tap on the **Device ON/OFF** button.
- 3. Check the status color of the Wi-Fi icon:

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

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

8. Now wireless LAN connection is setup, try connection to the network with a internet browser such as Internet Explorer.

Using the Wireless WAN (3G/LTE) feature

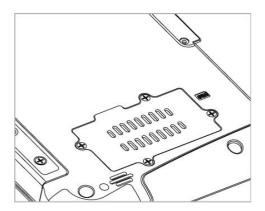
Insert SIM card (For Optional 3G/LTE equipped device)

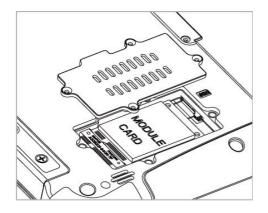


Please power off the tablet before installing the 3G/LTE module and Micro SIM card, or the tablet computer might be damaged by the incorrect installation behaviors.

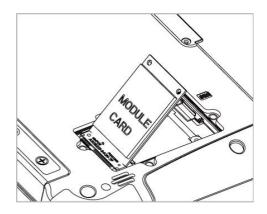
The Tablet Computer supports data connection with 3G/LTE modules and fits Micro-SIM card. (Note: 3G/LTE feature is optional). Before using the data connection program, please perform the following procedures to insert the Micro-SIM card to your Tablet Computer:

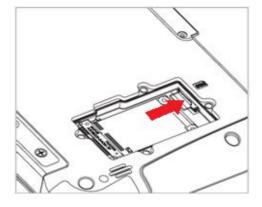
- 1. Power off the Tablet Computer.
- 2. Remove the service window in the rear by unscrewing four screws.
- 3. Remove the screw that is securing the 3G/LTE module.
- 4. Carefully lift the 3G wireless module up, and be cautious not to damage the connected cable.
- 5. Make sure the SIM card IC contact patch is faced down, notch is in the direction of insertion (towards right).
- 6. Insert the SIM card into the slot located near the right side of the service window.
- 7. Reposition the removed 3G/LTE module screw to secure the 3G/LTE module.
- 8. Reposition the removed service window screw to secure the service window.











Use Wireless WAN Feature

For tablets equipped with wireless WAN (3G or 4G/LTE) card, to use the wireless WAN feature to connect to the network, perform the following procedure:

- 1. Open the Hottab utility by press the ⁽²⁾ (Menu) Button located on the front panel, OR launching the Hottab Utility application.
- 2. Tap on the **Device ON/OFF** button.
- 3. Check the status color of the **WWAN** icon:

Item	Status Color	Description
	Orange	WWAN (3G/4G) is enabled.
WWAN	White	WWAN (3G/4G) is disabled.
3G/4G		

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

Note: For the Windows 7 operating system, you also can check the Access Connections gauge, the Access Connections status icon, or the Access Connections wireless status icon in the Windows notification area.

Using the GPS feature

To enable the wireless GPS feature, perform the following procedure:

- 1. Open the Hottab utility by press the ^(D) (Menu) Button located on the front panel, OR launching the Hottab Utility application.
- 2. Tap on the **Device ON/OFF** button.
- 3. Check the status color of the **GPS** icon:

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

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

Using the Bluetooth feature

To enable the wireless Bluetooth feature, perform the following procedure:

- 1. Open the Hottab utility by press the ⁽¹⁾ (Menu) Button located on the front panel, OR launching the Hottab Utility application.
- 2. Tap on the **Device ON/OFF** button.
- 3. Check the status color of the **Bluetooth** icon:

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

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



Turn on/off the LED Indicators

The LED Indicators for Power Status, Battery Status, and RF Communication can be turned on/off from Hottab menu. To enable/disable the LED indicators, perform the following procedure:

- 1. Open the Hottab utility by press the ⁽¹⁾ (Menu) Button located on the front panel, OR launching the Hottab Utility application.
- 2. Tap on the **Device ON/OFF** button.
- 3. Check the status color of the **Indicator** icon:

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

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

Using the Barcode Reader feature

IMPORTANT

The 2D/1D Barcode Reader is optional for M101B Tablet PC and is not reworkable by the end user. To use this feature, please make sure the tablet PC is built-in barcode reader before use, or contact our sales contact window for more details.

To enable the Barcode Reader feature, perform the following procedure:

- 1. Open Hottab utility by pressing (Menu) Button located on the front panel, OR launching Hottab Utility application.
- 2. Choose "**Device ON/OFF**" and click on "**Barcode**", and the setting utility will show up as below:

	EA30Scan(ED40/EA30 BF4_220_)	×
Trigger Setting Trigger mode options Pulse v Read time options 3 seconds v	Settings ☑ Sound □ Identifier Code Output to Keyboard Wedge ✓ Settings	Barcode Power OFF ON
Disconnect	Clear	Send

- 3. Tap on the **ON** button.
- 4. Check the status color of the **ON** button is green, and the status color of the Barcode icon on the Hottab menu is orange at the same time.

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

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

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Trigger Setting

ltem	Description		
Trigger	User can define the barc	code scanner trigger mode from Trigger mode optic	ons
mode	drop-down menu shown	AS DEIOW. EA30Scan(ED40/EA30 BF4_220_)	
options	The second		
	Trigger Setting	Settings Barcode Power	
	Trigger mode optio	Ins Sound	
	Pulse	OFF	
	Level		
	Pulse Flashing	Output to Keyboard Wedge ~ Settings	
	Disconnect	Clear Send	
	continuously. The scann	e, the barcode scanner processes auto-scan ing light and pattern will be always on.	
	Under Level mode, the b scanning light will be on barcode is successfully r <u>Pulse</u> Under Pulse mode, user scanning light will be on	barcode scanner follows trigger button behavior. The when the Fn2 button is triggered, and off when the read or the Fn2 button is released. r can define the scanning time after each trigger. Th when the Fn2 button is triggered, and off when the read or the defined read time ends. To set up the	
		e Read time options drop-down menu and choose	а
		tions from 1 second to 9 seconds).	
		EA30Scan(ED40/EA30 BF4_220_)	
	Trigger Setting	Settings Barcode Power	
	Trigger mode optio	ons 🗹 Sound	
	Pulse Read time options	OFF OFF	
	3 seconds		
	1 seconds	Output to Keyboard Wedge v Settings	
	2 seconds		
	4 seconds	Clear Send	
	5 seconds		
	6 seconds 7 seconds		
	8 seconds		
	9 seconds		

Flashing
Under Flashing mode, the scanning light is flashing, and the barcode scanner
processes auto-scan with the same frequency.

<u>Settings</u>

ltem	Description	
Sound	The Sound check box defines whether a beep sound will come with scanning.	the data
Identifier Code	The Identifier Code check box defines whether to filter Application I from the scanned data. Some barcode types, such as EAN-128, use Identifiers to include additional data. User can disable Identifier Cod box to ignore specific characters.	e Application
Output to	This setting defines the output type of the scanned data. Here are the available:	e options
	EA30Scan(ED40/EA30 BF4_220_)	×
	Trigger Setting Settings Barcode Trigger mode options ✓ Sound Options	
	Pulse Identifier Code	
	3 seconds Output to Keyboard Wedge Settings ON Keyboard Wedge	
	Disconnect SDK Virtual COM Clear Sene	d
	Keyboard Wedge Under this setting, the data scanned is sent like keyboard data. The data can be output directly to the demo area below this window, or u open other utility, such as Office Word or Notepad files, for data input	iser can also



Trigger Setting Settings Barcode I Trigger mode options ☑ Sound OFF Pulse ☑ Identifier Code OFF	Power
Pulse Read time options Identifier Code OFF	
Read time options	
	F
3 seconds V ON ON	
Output to Keyboard Wedge ~ Settings	
Disconnect Clear Send	d
Demo Area	
Note: notice that the input method should support the scanned chai	racte
Licer can also tap on the Settings button for further details settings	
User can also tap on the Settings button for further details settings.	•
Keyboard Wedge Configuration	1
Prefix Append Enter	
Suffix Append TAB	
Regex Filter	
Presets	
Replace	
Regex Substitution	
?	
Replace With	
Reset to default OK Cancel	
Item Description	
Prefix User can type in this field to define the characters BEFORE the data scanned.	S
BEFORE the data scanned.	s AF
	571
Suffix User can type in this field to define the characters the data scanned.	inter
SuffixUser can type in this field to define the characters the data scanned.Append EnterThe check box user can defines to append an "E	
SuffixUser can type in this field to define the characters the data scanned.Append EnterThe check box user can defines to append an "E which is followed by the characters.	
SuffixUser can type in this field to define the characters the data scanned.Append EnterThe check box user can defines to append an "E which is followed by the characters.Append TABThe check box user can defines to append an "T	
SuffixUser can type in this field to define the characters the data scanned.Append EnterThe check box user can defines to append an "E which is followed by the characters.	AB"
SuffixUser can type in this field to define the characters the data scanned.Append EnterThe check box user can defines to append an "E which is followed by the characters.Append TABThe check box user can defines to append an "T is followed by the characters.	AB

		Regular Expression Presets	×
		All characters Use this rule]
		Keep first Characters Use this rule	
		Keep last characters Use this rule]
		Close	
	Replace	User can define specific characters to be replaced wit preferred characters automatically. When the character defined in <u>Regex Substitution</u> is scanned, the data with replaced with the one filled in <u>Replace with.</u>	ers
	Reset to default	User can remove all the set up and back to default mo	ode.
	output with the fo	ng SDK for software porting, the scanned data can also rmat needed. Dose Virtual COM to transfer scanned data to the defin	
Disconnect		e Disconnect button to stop the connection with Barcode Rennection, please tap on the button again to re-connect with E	

Setting the 1D/2D Barcode Scanner Symbologies

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



Symbologies Default Settings:

	Symbologies	Default setting
	UPC-A	Enable
	UPC-E	Enable
	EAN-8	Enable
	EAN-13	Enable
	UPC-E1	Disable
	GS1 DataBar Omni-Directinal	Disable
	GS1 DataBar Limited	Disable
	GS1 DataBar Expanded	Disable
	Code 39	Enable
	Code 128	Enable
	ISBT 128	Disable
	GS1-128	Enable
	Interleaved 2 of 5	Disable
1D	Matrix 2 of 5	Disable
	Standard 2 of 5	Disable
	Codabar	Disable
	Code 93	Disable
	Code 11	Disable
	MSI	Disable
	Plessey	Disable
	Telepen	Disable
	Australian Post	Disable
	BPO	Disable
	Canada Post	Disable
	Dutch Post	Disable
	Japan Post	Disable
	PostNet	Disable
	Sweden Post	Disable
	Data Matrix	Enable
	PDF 417	Enable
	Micro PDF 417	Disable
	Codablock A	Disable
2D	Codablock F	Disable
20	Maxicode	Disable
	QR Code	Enable
	Aztec	Disable
	GS1 Composite A/B	Disable
	GS1 Composite C	Disable

If user wants to change the default setting of symbologies or other advanced setting, please

- (1) Refer to Page 49 to **disconnect** the Barcode Reader from Hottab.
- (2) Execute the "Easyset" barcode scanner configuration application by tapping on its icon :



(3) When "**Easyset**" application launches, a "**Select product**" on-screen prompt will show up. Select "**Scan engines**" and pick "**ED40**". Make sure the "**Online setup**" option is checked, and select "**OK**" as shown in the screen capture below:

AND AND A		Ea	sySet			-	
	nunication Video Tools Op) 🤑 🚉 18 cm 🔻 🎇 🗰	1					
🕒 🖻 🛱 🎒 👿 💊 🤇		14		N ⊻] ©]			
ED40 Send to		Selec	t product				
 1. Using EasySet 2. Reset all parameters 	Decoders	i	٠	5			
 3. Interface 4. Data transmission setting 	Handheld scanners	E1022	ED30	ED40	EV12		
 5. Symbologies 6. Operating settings 	Scan engines						
 7. Imager settings 8. Configuration modes and 	Handheld computers	EV15	EX25				
		Selected produ	ct: Scan engin	es - ED40			
- Offline setup:				√ Online	setup		
 Select your Intermec product in Ea choose Select). Double-click the setup commands setup sheet. Print out the setup sheet and read your scanner. 	✓ Show this window at startu	p	(Cancel	OK		
	~	<					>
C:\Program Files (x86)\Intermec\E	asyset\	2:	30: Pa	age: 1/1 🔶	Get latest version of	<u>EasySet</u>	

(4) Another "Device Selection" on-screen prompt will show up. Select "Communications Port (COM15)" and select "OK" as shown in the screen capture below:

	EasySet	- 🗆 ×
File Edit View Product Comm	unication Video Tools Options Help	
📙 🖰 🎬 🖺 👿 🛛 🍫	98 🖳 18 cm 🔽 🏙 🔛 📅 🐯 🏭 🖽 🛛 🖉 🕺 🗸 🗸 🖉 🖓 🖵 🖄 🕪 👷	
ED40 Send to	Select product	^
1. Using EasySet 2. Reset all parameters	Decoders 🏘 🦠 🐟	
 3. Interface 4. Data transmission setting 5. Symbologies 	He Device Selection	
6. Operating settings 7. Imager settings 8. Configuration modes and	Ha u-blox Virtual COM Port (COM5)	
	Communications Port (COM2)	
	Communications Port (COM1)	
	Communications Port (CCM3)	
- Offline setup:	Refresh OK Cancel	
Select your Intermec product in Eachoose Select). Zouble-cick the setup commands setup sheet. Print out the setup sheet and read your scanner.	✓ Show this window at startup Cancel OK	
		× >
C:\Program Files (x86)\Intermec\Ea	isyseti 2:30: Page: 1/1 🔶 Get latest version of EasySet	

(5) User can select Barcode code type of interest by pressing "**5. Symbologies**". in the navigation pane, and it will show its configuration options.





Note:

•

For more information on how to use the "**EasySet**" application, please refer to the complete EasySet User Manual from Intermec: <u>http://intermec.custhelp.com/app/answers/detail/a_id/5760</u>

Using the HF RFID Reader feature



IMPORTANT

The HF RFID Reader is optional for M101B Tablet PC and is not reworkable by the end user. To use this feature, please make sure the tablet PC is built-in HF RFID reader before use, or contact our sales contact window for more details.

To enable the HF RFID Reader feature, perform the following procedure:

- 1. Open the Hottab utility by press the ⁽¹⁾ (Menu) Button located on the front panel, OR launching the Hottab Utility application.
- 2. Tap on the **Device ON/OFF** button.
- 3. Tap on **RFID**, and the setting utility will show up as below:

	RF52	1Scan(V1.00 RF-521)		×
 Trigger Setting Auto Scan Single Scan Read time options 1 seconds 	Settings ☑ Sound Output to	Keyboard Wedge v	Settings	RFID Power OFF
RFID Output Setting Select RFID OutPut Typ Read UID	e ~	Disconnect	Clear	Send

- 1. Tap on the **ON** button.
- 2. Check the status color of the ON icon is green, and the status color of the RFID icon on the Hottab menu is orange at the same time.

ltem	Status Color	Description
4.0	Orange	HF RFID Reader is enabled.
RFID	White	HF RFID Reader is disabled.



Trigger Setting

ltem	Description
Auto Scan	 The default setting for RFID trigger is Auto Scan. Under this setting, the RFID Reader will always be ready to scan tags. 1. When the RFID tag is detected from RFID antenna, the data will be read automatically. 2. User can define the RFID scanning frequency from the drop-down menu shown as below. The frequency can be from 1 second to 9 seconds.
	RF521Scan(V1.00 RF-521)
	Trigger Setting Settings RFID Power • Auto Scan • Sound • OFF
	 Single Scan Read time options 1 seconds Utput to Keyboard Wedge - Settings ON
	2 seconds 3 seconds 4 seconds 5 seconds 6 seconds 7 seconds 8 seconds 9 seconds 9 seconds
Single Scan	User can also define the RFID Reader scanning as Single Scan . Under this setting, the RFID Reader will be triggered only when user click on "Send".
	RF521Scan(V1.00 RF-521) ×
	Trigger Setting
	 Auto Scan Single Scan Read time options 1 seconds ✓
	RFID Output Setting Select RFID OutPut Type Read UID
	Disconnect Clear Send

<u>Settings</u>

Item	Description
Sound	The Sound check box defines whether a beep sound will come with the data
	scanning.
	The Sound check box defines whether a beep sound will come with the data
	Read UID v
	Disconnect Clear Send
	Disconnect Clear Sena
	<u>Keyboard Wedge</u> Under this setting, the data scanned is sent like keyboard data. The scanned data can be output directly to the demo area below this window, or user can also open other utility, such as Office Word or Notepad files, for data input.
	RF521Scan(V1.00 RF-521)
	Trigger Setting Settings RFID Power • Auto Scan • Sound OFF • Single Scan Output to Keyboard Wedge • Settings ON 1 seconds • • 1 seconds • • RFID Output Setting • • Select RFID OutPut Type • • Read UID • • Disconnect Clear Send

	Keyboard Wedge Configuration			
	Prefix Append Enter			
	Suffix Append TAB			
	Regex Filter			
	Presets			
	Replace			
	Regex Substitution ?			
	Replace With			
	Reset to default OK Cancel			
Prefix Suffix	DescriptionUser can type in this field to define the charactersBEFORE the data scanned.User can type in this field to define the characters AFT			
Sumx	the data scanned.			
Append Enter	The check box user can defines to append an "Enter" which is followed by the characters.			
Append TAB	The check box user can defines to append an "TAB" v is followed by the characters.			
Regex Filter	Press on "Presets" button, user can define how mar characters to show after the data scanned.			
	Regular Expression Presets			
	All characters Use this rule			
	Keep first characters Use this rule			
	Keep last characters Use this rule			

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	replaced with the one filled in Replace with.
Reset to default	User can remove all the set up and back to default mode.
SDK For users follow output with the f	ing SDK for software porting, the scanned data can also be ormat needed.

RFID Output Setting

ltem	Description
Select RFID Output Type	The default setting for built-in HF RFID Reader is to Read UID . For some applications, user might need to read or write further block data; the drop-down menu under this section can do this change.
	RF521Scan(V1.00 RF-521)
	Trigger Setting Settings • Auto Scan Sound • Single Scan Output to Keyboard Wedge • Settings • Or Or Read time options 1 seconds • RFID Output Setting Select RFID OutPut Type Read UID Read UID Read block data - ISO14443 Read block data - ISO14443 Write block data - ISO15693 Write block data - ISO15693
Disconnect	User can tap on the Disconnect button to stop the connection with built-in HF RFID reader. *To recover the connection, please turn off the module from setting UI and then turn on the module again.



Turn on/off the GPS Ext. Antenna



IMPORTANT

The vehicle dock of M101B Tablet PC supports external GPS antenna through standard SMA connector. To work with external GPS antenna, please make sure the tablet PC is well installed to vehicle dock, and the vehicle dock has connected with external GPS antenna.

When working with vehicle dock connecting to external antenna, user can switch GPS antenna from the internal one to the external one from Hottab menu. To enable/disable the GPS Ext. Antenna, perform the following procedure:

- 1. Open the Hottab utility by press the ^(O) (Menu) Button located on the front panel, OR launching the Hottab Utility application.
- 2. Tap on the **Device ON/OFF** button.
- 3. Check the status color of the **GPS Ext. Antenna** icon:

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

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

Turn on/off the Light Sensor

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

- 1. Open the Hottab utility by press the ^(O) (Menu) Button located on the front panel, OR launching the Hottab Utility application.
- 2. Tap on the **Device ON/OFF** button.
- 3. Check the status color of the **Light Sensor** icon:

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

Change Touchscreen Modes

The tablet's advanced capacitive touchscreen has 3 built-in operating modes, for users to choose under different usage scenarios:

Mada	
Mode	 Usage Scenario The Hand/Rain mode is the default operating mode of the touchscreen. Under this mode, the touchscreen is set to have the ability to reject false touch inputs while liquid is present on the touchscreen. Once the liquid is removed from the touchscreen, touch inputs from bare fingertips will continue to operate. Support the following input solutions: Active stylus w/ palm rejection Rubber Tip passive stylus Finger
Stylus Mode	 Under the Stylus mode, the touchscreen is set to have the ability to pick up touch inputs from the fine-tip passive capacitive stylus that is shipped with the tablet. Touch inputs from bare fingertips will also continue to operate. Support the following input solutions: Fine-tip passive stylus w/ palm rejection Active stylus w/ palm rejection Rubber Tip passive stylus
Glove Mode	 Under the Glove mode, the touchscreen is set to have the ability to pick up touch inputs while the user is operating the touchscreen with gloves on. Touch inputs from bare fingertips will also continue to operate. Support the following input solutions: Glove Rubber Tip passive stylus Finger

There are 2 ways to switch between the different touchscreen operating modes:

- (1) Via the built-in HotTab utility
- (2) Via the programmable function buttons

Switch via Built-in HotTab Utility

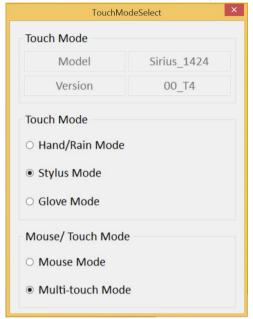
To switch between the different touchscreen modes via the HotTab utility, perform the following procedure:

- 1. Open HotTab utility by pressing (Menu) Button located on the front panel, OR launching HotTab Utility application.
- 2. Choose "Device ON/OFF" and then click on "Touch Set" icon





3. The Touch Mode Select utility will be shown as below:



4. Under the **"Touch Mode"**, select the desired touch modes by tapping on the radio button.



5. Now the touchscreen mode would behave as configured.

Here's also additional Touch related setting to switch the touchscreen input between mouse mode with cursor, or with multi-touch mode:

TouchM	1odeSelect
Touch Mode	
Model	Sirius_1424
Version	00_T4
Touch Mode	
O Hand/Rain Mode	e
Stylus Mode	
 Glove Mode 	
O Glove Mode	le
	le

Item	Description
Mouse Mode	Single touch point supported, with mouse cursor shown
Multi-touch Mode	The default setting of the touch screen supports multi-touch mode (up to 10 points)

Switch via Programmable Function Buttons:

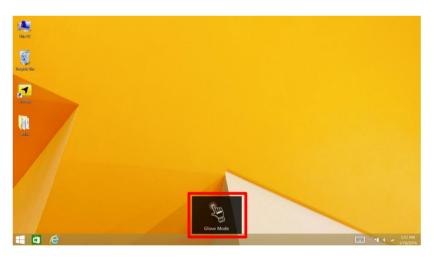
To switch between the different touchscreen modes via the programmable function buttons, make sure the touchscreen mode switching is set to the programmable function buttons first.

- 1. Open HotTab utility by pressing (Menu) Button located on the front panel, OR launching HotTab Utility application.
- 2. Tap on the **Setting** button.
- 3. Tap on F1 icon.
- 4. Tap on the **Long Press** icon.
- 5. Change the Long Press function to "**Touch Mode**" as shown below:





Once the touchscreen mode switching is set to the programmable function button, **Long Press** on **"F1"** function button to cycle through the different touchscreen modes. When touchscreen mode is switched, an icon will temporarily overlay on the lower center of the screen to indicate current touchscreen mode:

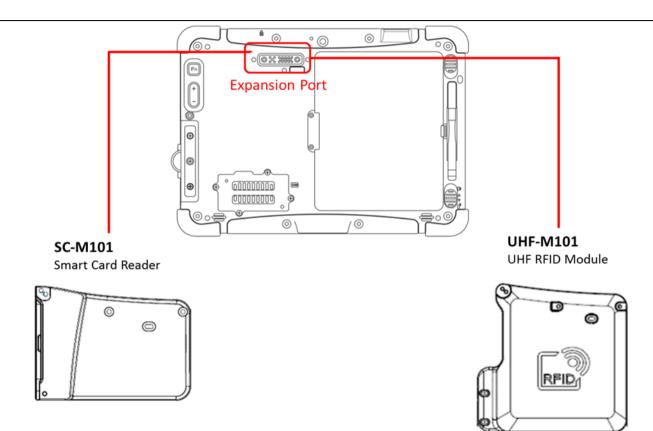


Using the Expansion Module feature



IMPORTANT

The Expansion Port is optional for M101B Tablet PC and is not re-workable by the end user. To work with Add-on module, please make sure the tablet PC is built-in expansion port before use, or contact our sales contact window for more details.



To enable the add-on module from expansion port, perform the following procedure:

- 1. Open the Hottab utility by press the ⁽¹⁾ (Menu) Button located on the front panel, OR launching the Hottab Utility application.
- 2. Tap on the **Device ON/OFF** button.
- 3. Check the status color of the Ext. Module icon:

Item	Status Color	Description
لحكا	Orange	Expansion Module is enabled.
کرے Ext. Module	White	Ext. Module is disabled.



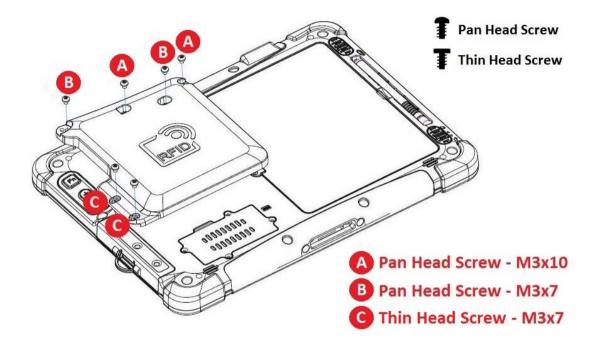
NOTE:

The Ext. Module function allows users to choose either UHF RFID Reader or Smart Card Reader.



How to Install

- 1. Remove expansion port cover from the rear side of Tablet PC.
- 2. Remove the top two screws of the I/O cover.
- 3. Align the pogo pin on UHF RFID module to the expansion port of Tablet PC; screw to fix the module on tablet.



How to Use

- 1. Open Hottab utility by pressing ⁽¹⁾ (Menu) Button located on the front panel, OR launching Hottab Utility application.
- 2. Choose "**Device ON/OFF**" and click on "**Ext. Module**", and the setting utility will show up as below:

	UHF_RFID(01.03.00.18)	×
Trigger Setting Auto Scan	Settings ☑ Sound	UHF Power
 Single Scan Read time options 	Region NA v	OFF
2 seconds v RFID Output Setting	Output to Keyboard Wedge v Settings	UN
I EPC	Disconnect Clear	Send

- 3. Tap on the **ON** button.
- 4. Check the status color of the ON icon is green.

Trigger Setting

Item	Description
Auto Scan	 The default setting for UHF RFID trigger is Auto Scan. Under this setting, the UHF RFID Reader will always be ready to scan tags. 1. When the UHF RFID tag is detected, the data will be read automatically. 2. User can define the UHF RFID scanning frequency from the drop-down menu shown as below. The frequency can be from 1 second to 9 seconds.
	UHF_RFID(01.03.00.18)
	Trigger Setting Settings UHF Power Auto Scan Sound OFF Constrained by the seconds Region 2 seconds NA 2 seconds Output to 3 seconds Ng 4 seconds Disconnect 5 seconds Disconnect 7 seconds Send
Single Scan	User can also define the UHF RFID Reader scanning as SINGLE SCAN. Under this setting, the UHF RFID Reader will be triggered only when user click on "Send".
	UHF_RFID(01.03.00.18)
	Trigger Setting Settings UHF Power ○ Auto Scan ☑ Sound OFF
	Read time options Region NA ON 2 seconds Output to Keyboard Wedge Settings
	RFID Output Setting Image: Clear Send



<u>Settings</u>

Item	Description
Sound	The Sound check box defines whether a beep sound will come with the data
	scanning.
Region	Basing on different regional regulations about UHF RFID frequencies, user can
	switch frequency to NA (North America, 902-928 MHz) or EU3 (Europe, 865-868
	MHz)from the drop-down menu shown as below.
	Trigger Setting Settings UHF Power
	Auto Scan ✓ Sound
	O Single Scan OFF
	Region NA
	NA NA
	2 seconds v EU3 ON
	Output to Keyboard Wedge Settings
	RFID Output Setting
	☑ EPC Disconnect Clear Send
Output to	This setting defines the output type of the scanned data. Two options are
	available:
	UHF_RFID(01.03.00.18)
	Trigger Setting Settings UHF Power
	Auto Scan Sound Soun
	O Single Scan OFF
	Region NA
	Read time options
	2 seconds v ON
	Output to Keyboard Wedge v Settings
	Keyboard Wedge
	RFID Output Setting SDK
	☑ EPC Disconnect Clear Send

nput.					
		UH	F_RFID(01.03.00.18)		×
Trig	ger Setting	Settings			UHF Power
• A	uto Scan	✓ Sound			
• s	ingle Scan				OFF
	ad time options	Region NA		~	
2 50	econds ~	Output to	Keyboard Wedge	 Settings 	ON
		Output to	keyboard wedge	* Settings	
RFIE	Output Setting				
	PC		Disconnect	Clear	Send
Varning: Please notice					nned charact settings.
Narning: Please notice	e that the inp	Settings b		her details	
Narning: Please notice	e that the inp o tap on the	Settings b	utton for furt	her details	settings.
Narning: Please notice	e that the inp o tap on the Prefix	Settings b	utton for furt	her details	settings.
Narning:	e that the inp o tap on the	Settings b	utton for furt	her details	settings.
Narning: Please notice	e that the inp o tap on the Prefix	Settings b	utton for furt	her details	settings.
Narning: Please notice	e that the inp o tap on the Prefix	Settings b	utton for furt	her details	settings.
Narning: Please notice	e that the inp o tap on the Prefix	Settings b	utton for furt	her details	settings.
Narning: Please notice	e that the inp o tap on the Prefix Suffix Regex Filter Replace	Settings b	utton for furt	her details	settings.
Narning: Please notice	e that the inp o tap on the Prefix	Settings b	utton for furt	her details	settings.
Narning: Please notice	e that the inp o tap on the Prefix Suffix Regex Filter Replace	Settings b Keyboar	utton for furt	her details	settings.

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	User can type in this field to define BEFORE the data scanned.			
Suffix				
Sullix	User can type in this field to define the characters AFTE the data scanned.			
Append Enter	The check box user can defines to append an "Enter"			
	which is followed by the characters.			
Append TAB	The check box user can defines to append an"TAB" with			
	is followed by the characters.			
Regex Filter	Press on "Presets" button, user can define how ma characters to show after the data scanned.			
	Regular Expression Presets			
	All characters	Use this rule		
	Keep first characters	Use this rule		
	Keep last characters	Use this rule		
	Close			
Replace	Liser can define specific character	s to be replaced w		
Replace	User can define specific characters to be replaced with preferred characters automatically. When the characters defined in Regex Substitution is scanned, the data we replaced with the one filled in Replace with .			
Reset to default	User can remove all the set up and back to default mod			

RFID Output Setting

ltem	Description			
EPC	The EPC check box defines whether to show the complete information of EPC			
	(Electronic Product Code), including			
	1. The identifiers of the object(s) or other entities that are the subject of the			
	event.			

	effect 3. The id	dentifier of the loc	en the event took place, and the cation at which the event occurre the business context.	
			UHF_RFID(01.03.00.18)	×
		Trigger Setting Auto Scan	Settings ☑ Sound	UHF Power
		 Single Scan Read time options 2 seconds 	Region NA ~	OFF
			Output to Keyboard Wedge Settings	
		RFID Output Setting	Disconnect Clear	Send
Disconnect / Connect	Reader. *To recove		nnect button to stop the connec	



<u>Settings</u>

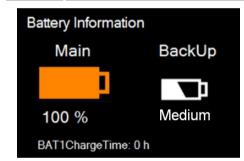
This Hottab menu option provides users information such as PC Information, Battery status, and also device settings such as power management setting, and function key mappings. Perform the following procedure to access the Hottab Setting menu:

- 1. Open the Hottab utility by press the ^(C) (Menu) Button located on the front panel, OR launching the Hottab Utility application.
- 2. Tap on the **Settings** button.
- 3. Below shows the items listed in Settings Menu.

PC Information

PC Information BIOS Ver.: V124 EC Ver.:124 HotTab Ver.: M101B_A40.1.46 OS Ver.: 95Z00000013Y Units SN: To be filled by O.E.M. This section provides user device information in regards to BIOS Version, EC Versions, Hottab Versions, OS Versions, as well as Unit Serial Number, shown in the picture sample.

Battery Information



This section provides user battery Information.

Main Battery:

The main battery icon displays the battery level in percentages (0 to 100%).

Backup Battery: (For M101B)

The backup battery used for battery hot swapping displays its state in text with the following meanings.

Status	Description				
High	Backup battery is fully charged, and can be				
	used for hot swapping				
Medium	Backup battery level is intermediate, but can be				
	used for hot swapping				
Low	Backup battery level is low, and hot swapping is				
	not recommended.				

Battery Charge Time:

The Battery Information also displays estimated time needed to fully charge the main battery when AC adapter is plugged in. Meanwhile, the backup battery is charged by the main battery.

Using thePhysical Function Keys (Hotkeys)



Function 1

Media Player

Volume Mute

Calculator

Notepad

BarCode

QX

Camera

Short Press

Preset Selections

The function key mapping menu option allows user to change the physical function buttons, Fn1 and Fn2. Users can change what application will be launched with short press or long press of keys.

To configure function key mapping, perform the following:

- 1. Open the Hottab utility by press the ^(D) (Menu) Button located on the front panel, OR launching the Hottab Utility application.
- 2. Tap on the **Setting** button.
- 3. Tap on function key icon for the corresponding key that you want to change.
- 4. At top of utility, it will say "Short Press" or "Long Press" to indicate what type of press is being configured
- 5. You can switch what type of press you want to configure by tapping on the "Short Press" or "Long Press" icon at the bottom of the utility window.
- 6. Pick from list of preset applications by tapping on the application icons OR customize which application to execute using the picker.

Using the Custom picker:

- 1. Tap the **Q** icon to reveal browser window
- 2. Navigate to the desired executable to map to function key
- 3. Tap on "Done" to save selection.

To map the function key to another application:

1. Tap on the kicon to remove connection to the original application, and pick again tapping on con.

Using the physical function keys:

1. While operating the tablet, click on the physical function keys to activate functions mapped via the setup in this section.



Chapter 5: Frequently Used Settings

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.

	_
1	

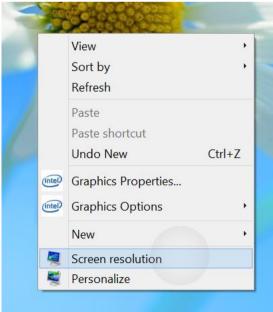
NOTE:

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

Changing display scaling setting (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 "Screen resolution" option as shown below:



2. A "Screen Resolution" Window will show up. Select the "**Make text and other items larger or smaller**" option in the window, as shown below:

4		Screen Resolution	_ 🗆 🗙
\bigcirc	🕤 🕇 💐 « All Co	ntrol Panel Items > Display > Screen Resolution	✓ C Search Control P
	Change the a	opearance of your display	
			Detect Identify
	Display:	1. Mobile PC Display 💙	
	Resolution:	1920 × 1200 (Recommended)	
	Orientation:	Landscape V	
	Allow the screer	n to auto-rotate	Advanced settings
	Project to a second	screen (or press the Windows logo key 💶 + P)	
	Make text and othe	er items larger or smaller	
	What display settir	gs should I choose?	
		ОК	Cancel Apply

 A "Display" window will show up. Under "Change the size of all items" section, change the scaling option to "Larger – 150%" or any other desired display scaling and hit "Apply" to save changes, as shown below:

4	Display 🗕 🗆 🗙
	→ All Control Panel Items → Display ✓ C Search Control P P
Control Panel Home	Change the size of all items
Adjust resolution	You can make text and other items on the desktop bigger by choosing one of these options. To temporarily enlarge just part of the screen, use the <u>Magnifier</u> tool.
Adjust brightness	Smaller - 100% (default)
Change display settings	Medium - 125%
Project to a second screen Adjust ClearType text	Larger - 150%
	Custom sizing options
	Change only the text size Instead of changing the size of everything on the desktop, change only the text size for a specific item.
	Title bars V 12 V Bold
	Apply
See also	1.446.3
Personalization	
Devices and Printers	



4. A prompt may show up to ask if you want to sign out to apply the scaling change. Hit "Sign out Now" to apply changes, as shown below:



5. The user may now login again to Windows to see the changed display scaling already being applied.

Changing screen resolution setting

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 "**Screen resolution**" option as shown below:

	View	•
	Sort by	•
	Refresh	
	Paste	
	Paste shortcut	
	Undo New	Ctrl+Z
(intel)	Graphics Properties	
(intel)	Graphics Options	,
	New	•
	Screen resolution	
	Personalize	

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

4		Screen Resolution	_ 🗆 🗙
$ \bigcirc $	🔹 🕇 🚪 « All Cor	ntrol Panel Items > Display > Screen Resolution	Search Control P P
	Change the ap	pearance of your display	
			Detect Identify
	Display:	1. Mobile PC Display 💙	
	Resolution:	1920 × 1200 (Recommended) ✓	
	Orientation:	High	
	Allow the screer	1920 × 1200 (Recommended)	Advanced settings
	Project to a second	– 1680 × 1050 –	
	Make text and othe What display settin	— — 1440 × 900	
		ОК	Cancel Apply
		1280 × 800	
		— 1024 × 768	
		Low	

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



Replacing Hot Swappable Battery (For M101B)

The tablet computer supports hot-swapping of batteries, meaning the tablet doesn't need to be powered off in order to replace the main battery. To support such mechanism, there is a backup battery inside the tablet that is charged up with the main battery. This backup battery cannot be removed, and needs to have adequate power for hot swapping of main battery to be done without issue. When the backup battery is fully charged, it can sustain up to 5 minutes of runtime to allow for battery hot-swapping.

Perform the following to hot swap the batteries:

- 1. While the tablet is powered on, go to Hottab utility to check on the power level of the Backup battery.
- 2. If the Backup battery level is at "Low", please charge the tablet with AC Power until the Backup battery level is at "Medium" or "High", and do not remove the main battery.
- 3. If the Backup battery level is at "Medium" or "High", continue to remove the main battery.
- 4. Insert a new charged up removable battery into the battery compartment.
- 5. Go to Hottab utility to check if Main battery level can be correctly read. If not, check if the new removable battery is inserted properly.
- 6. If Main battery level can be read, continue to use the tablet computer.



To keep battery health and prevent possible issues from battery over-discharged, please charge the tablet built-in back-up battery once for every 2 months.

Using Recovery Wizard to Restore Computer

M101B 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 M101B 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.

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

- 1. Plug-in the AC adapter to M101B tablet computer. Make sure the M101B tablet computer stays plugged in to power source during the recovery process.
- 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.

Recovery Wizard	
Click " Recovery " to restore your s WARNING! The process will clear all of your	
If you do not want to restore your sy reboot.	ystem please press " Quit " to Recovery Quit

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

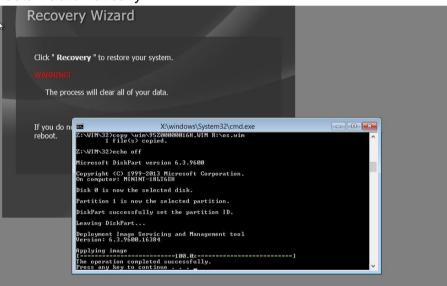




5. Wait till the recovery process to complete. During the recovery process, a command prompt will show up to indicate the percent of recovery process.



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



How to change OS

M101B is shipped with pre-installed OS based on your order. You will require to follow procedures included in this OS Installation Guide if you want to install OS by yourself.

For M101B series, change the BIOS setting (UEFI/LEGACY mode) to install OS.

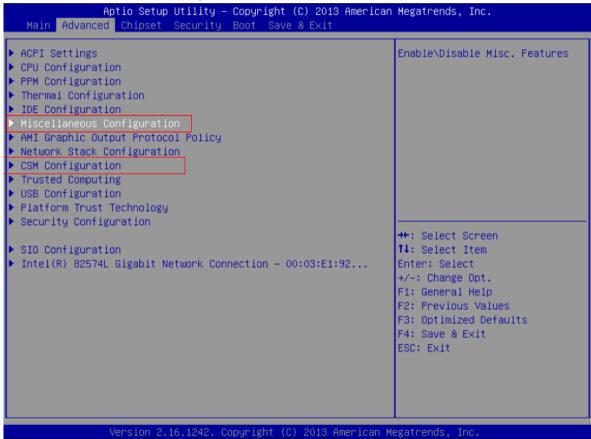
Changing BIOS Settings (UEFI/LEGACY mode) to Install OS

This section describes how to change UEFI/LEGACY mode in BIOS settings to install OS that is different from Winmate's shipment.

Default Windows 8.1 / 10 change to Windows 7

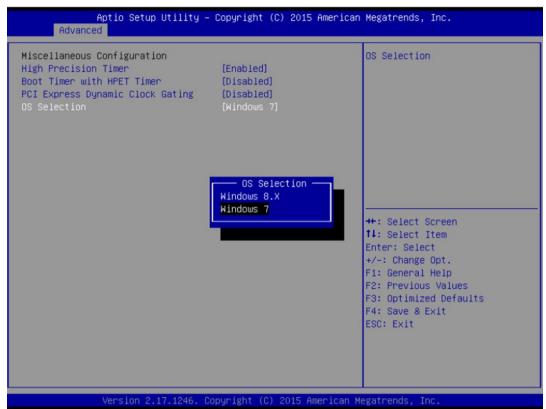
The instruction below describes how to change Windows 8.1 / 10 to Windows 7.

- 1. Enter BIOS Setup utility.
- 2. Go to "Miscellaneous Configuration" at BIOS setup menu.



3. Change OS setting to Windows 7

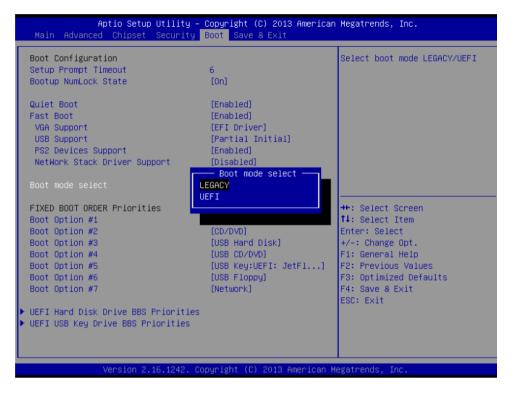




4. Go to CSM Configuration, change Storage and Video to Legacy only.

Aptio Setup Utility Advanced	– Copyright (C) 2013 America	n Megatrends, Inc.
Compatibility Support Module Conf	Controls the execution of UEFI and Legacy Video OpROM	
CSM Support	[Enabled]	and Legacy video option
CSM16 Module Version	07.71	
GateA2O Active Option ROM Messages INT19 Trap Response	[Upon Request] [Force BIOS] [Immediate]	
Boot option filter	[UEFI and Legacy]	
Option ROM execution order Network Storage Video Other PCI devices	[UEFI only] [Legacy only] [Legacy only] [UEFI first]	<pre>++: Select Screen 11: Select Item Enter: Select +/-: Change Opt. F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Exit ESC: Exit</pre>
Version 2.16.1242.	Copyright (C) 2013 American H	Megatrends, Inc.

5. Go to Boot menu and change setting Boot Mode select to LEGACY.

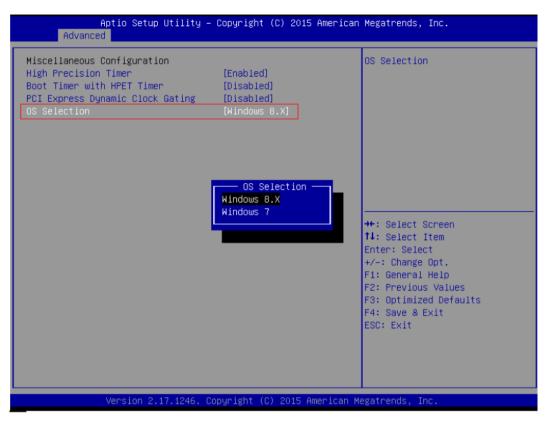


Default Windows 7 change to Windows 8.1 / 10

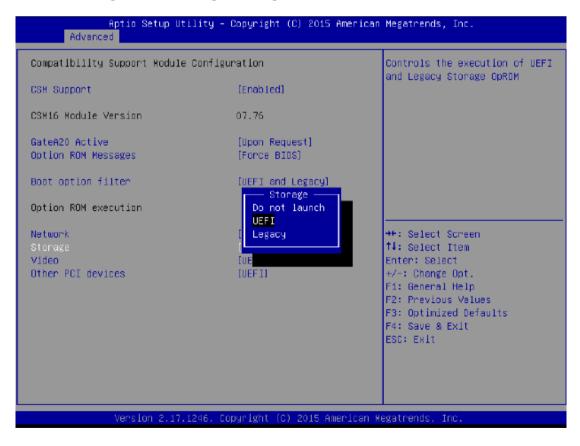
- 1. Enter BIOS Setup menu.
- 2. Go into item "Miscellaneous Configuration" at BIOS setup menu.

 ACPI Settings CPU Configuration PPM Configuration Thermal Configuration IDE Configuration Miscellaneous Configuration AMI Graphic Output Protocol Policy Network Stack Configuration CSM Configuration CSM Configuration Trusted Computing USB Configuration Platform Trust Technology Security Configuration SIO Configuration Intel(R) 82574L Gigabit Network Connection - 00:03:E1:92 	Enable\Disable Misc. Features ++: Select Screen 11: Select Item Enter: Select +/-: Change Opt. F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Exit ESC: Exit
---	---

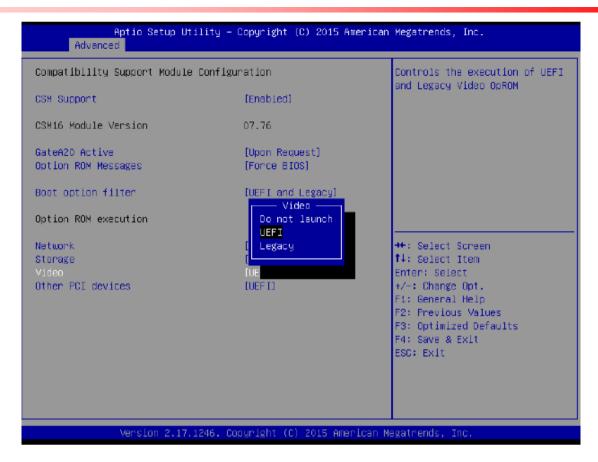




4. Go to CSM Configuration, change Storage and Video to UEFI.



VINMATE



5. Go to Boot Page and in the Boot Mode setting select to UEFI.

Aptio Setup Utilit Main Advanced Chipset Securi	y – Copyright (C) 2015 American ty <mark>Boot</mark> Save & Exit	n Megatrends, Inc.
Boot Configuration Setup Prompt Timeout Bootup NumLock State	2 [0n]	Select boot mode LEGACY/UEFI
Quiet Boot Fast Boot	[Enabled] [Disabled]	
Boot mode select	[UEFI]	
<pre>FIXED BOOT ORDER Priorities Boot Option #1 Boot Option #2 Boot Option #3 Boot Option #4 Boot Option #5 Boot Option #6 Boot Option #7 Boot Option #8 > UEFI Hard Disk Drive BBS Priorities </pre>		<pre>++: Select Screen fl: Select Item Enter: Select +/-: Change Opt. F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Exit ESC: Exit</pre>
Version 2 17 1246	. Copyright (C) 2015 American)	vegatrends Inc



6. Now you can refer "How to change boot order.doc" put your install device to Boot Option #1 then you will start install process.



IMPORTANT:

Pay attention to the mode you created on the Recovery DVD. PE3.0 only support legacy mode for Windows 7, PE5.0 can support Win7/8/8.1 at legacy or UEFI mode. Creation and installing processes of the chosen mode must match.

Docking Connector Pin Definition

M101B tablet computer supports one 19-pin docking connector at the bottom side. The pin definition is listed as the following table.



(4)

5

19 Pin D	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		

Expansion Port Pin Definition

(15) (16) (17) (18) (19)

M101B tablet computer 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	RIB#
2	NC	12	RTSB#
3	NC	13	DTRB#
4	NC	14	RXDB
5	NC	15	DM4_R
6	CTSB#	16	DP4_R
7	DSRB#	17	VEXT
8	TXDB	18	GND
9	DCDB#	19	GND
10	GND		



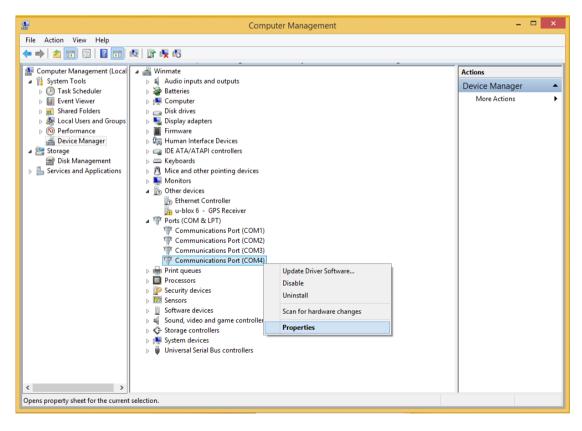
COM Port Definition

M101B tablet computer uses Hottab utility for built-in peripherals control. All the COM port numbers have been defined in the OS image coming with the package.

COM Port	Device
COM 1	RS232 at I/O
COM 2	RS232 of Expansion Port (optional)
COM 3	HF RFID (optional)
COM 4	Bluetooth Auto Pairing
COM 9	GPS
COM 12	RS232 at Docking (optional)
COM 15	Barcode Reader (optional)
COM 20	UHF RFID (optional)

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

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



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

Communications Port (COM4) Properties	×
General Port Settings Driver Details Events Resources	
Bits per second: 9600	~
Data bits: 8	*
Parity: None	~
Stop bits: 1	~
Flow control: None	~
Advanced Restore De	faults
ОК	Cancel

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

Advanced Settings for COM4							×
Use FIFO buffers (re Select lower setting Select higher setting	s to correct co	nnection problem					OK Cancel
Receive Buffer: Low (1)	ī.			Ų	High (14)	(14)	Defaults
Transmit Buffer: Low (1)	1			Ų	High (16)	(16)	
COM Port Number: COM	15 🗸]					

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



Pairing with a Wireless Bluetooth Barcode Scanner with Bluetooth Serial Port Profile

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

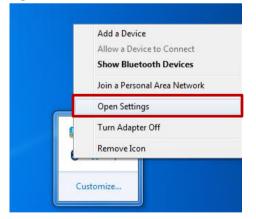
Setup Computer for Bluetooth Pairing

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

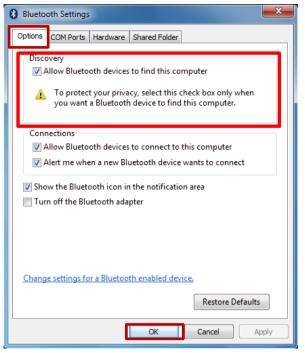
1. Locate the Bluetooth icon in the Notification Area



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



3. Once the **Bluetooth Settings** Menu appears, go to **"Options"** tab, and make sure that in the Discovery section, the computer is set to **"Allow Bluetooth devices to find this computer"**, as shown below:



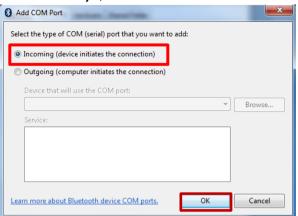
Click **OK** to continue.

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

8 Bluetooth Settings							x						
C	ptions	COM Po	rts	Hardware	e	Shar	ed I	Fold	er				
	This computer is using the COM (serial) ports listed below. To determine whether you need a COM port, read the documentation that came with your Bluetooth device.												
	Port		Dire	ction	Ν	lame	2						
	Add Remove												
Choose a COM port for a Bluetooth enabled device													
	OK Cancel Apply												



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



6. The computer will automatically assign COM Port to the Bluetooth connection. In the screenshot below, **COM5** is allocated.

8	Bluetooth Settings	×					
C	Options COM Ports Hardware Shared Folder						
	This computer is using the COM (serial) ports listed below. To determine whether you need a COM port, read the documentation that came with your Bluetooth device.						
	Port Direction Name						
	COM5 Incoming						
	Add Remove						
OK Cancel Apply							

Click **OK** to continue.

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



IMPORTANT:

Make sure the application stays open while pairing.

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

Set up the Barcode Scanner for Bluetooth Pairing



IMPORTANT

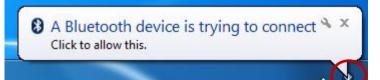
The wireless Bluetooth Barcode Scanner has to be configured as Bluetooth Serial Port Profile Master device to establish connection via Bluetooth MAC address barcode label. For a more detailed instruction, please refer to the User Guide for the wireless Bluetooth Barcode Scanner you are using for paring.

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

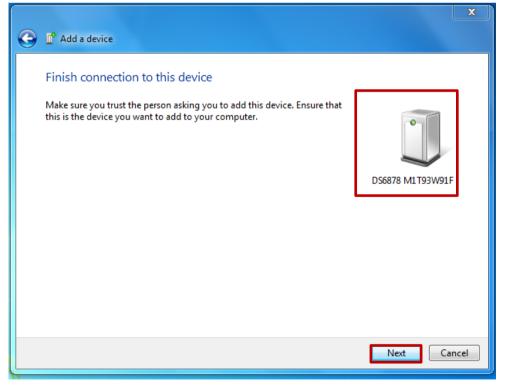
Perform Bluetooth Pairing

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

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

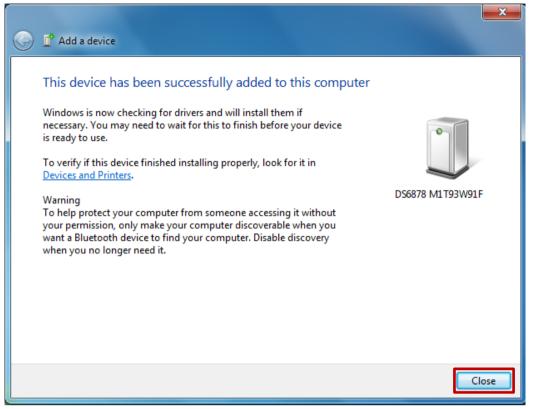


3. In Add a device window, click Next to connect the Barcode Scanner to the Computer.





4. The Barcode Scanner has successfully been added to this computer. Click **Close** to exit "Add a device" menu.



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

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

		Add a Device				
		Allow a Device to Connect				
		Show Bluetooth Devices				
		Join a Personal Area Network				
_		Open Settings				
		Turn Adapter Off				
		Remove Icon				
9						
	Cust	omize				

You can access this menu in the Control Panel:

Windows O \rightarrow Control Panel \rightarrow Devices and Printers \rightarrow Bluetooth Devices

6. Make sure your device is connected to the Computer.

	I Control Panel Items Devices and Printers Bluet	tooth Devices 👻 😽	Search Devices and Printers	Q
Add a device	Add a printer			•
 Devices (1) DS6878 M1T93W91F 				
1 it	m			



Chapter 6: Troubleshooting

Troubleshooting (Basic)

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.
The GPS application cannot find my location.	 Make sure that GPS is powered on in Hottab. 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.
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.
Barcode scanner does not emit laser beam and does not seem to work.	 Make sure the Barcode scanner device is enabled in Hottab utility. Make sure under Windows, the Barcode Reader is set to COM 15 port, so that Hottab can trigger the Barcode Reader hardware.
Barcode Scanner emits laser beam but does not read barcode presented to it.	 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.
I am having GPS accuracy issue	• When utilizing the GPS function, we recommend disabling the Barcode Reader in Hottab to reduce interference.
RFID scanner does not seem to work.	Make sure under Windows, the RFID



hardware is set to COM 3 port.



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