



Winmate M133W

Ultra Rugged Tablet PC

Microsoft® Windows® Embedded 8.1 Industry Pro.

Product Reference Guide

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- Display images shown may vary slightly from actual display. Information in this manual is subject to change without notice.

Note

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Read Me First

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

1. 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
2. Do Not Disassemble, Modify, or Insert Sharp Objects Into the Battery Pack. Electrolyte leakage, generation of heat, ignition or rupture may result.
3. 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.
4. Do Not Apply Shocks to the Battery by Dropping It or Applying Strong Pressure to It. Electrolyte leakage, generation of heat, ignition or rupture of battery may occur.
5. 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.
6. 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.
7. 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.
8. Do Not Use This Product With Battery Other Than the One Specified.



General Product Safety

1. This product should not be used near water such as bathtubs, sinks, swimming pools, wet basement, etc.
2. 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.
3. 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).
4. 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.
5. 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.
6. Use only accessories specified by the manufacturer.
7. 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.
8. Unplug this apparatus during lightning storms or when it is not being used for long periods.
9. 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.

Handling and Maintenance

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



General Guideline

1. 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.
2. Do not place heavy objects on top of the tablet computer as this may damage the display.
3. 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.
4. 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.



Cleaning Guideline

1. Use a soft cloth moistened with water or a non-alkaline detergent to wipe the exterior of the product.
2. Gently wipe the display with a soft, lint-free cloth. Do not use alcohol or detergent on the product.



Touchscreen Guideline

1. Use your finger or the stylus on the display. Using sharp or metallic object may cause scratches and damage the display, thereby causing errors.
2. 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.
3. Do not use excessive force on the display. Avoid placing objects on top of the display as this may cause the glass to break.
4. 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.

Getting Started

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.

Congratulations on 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
- Turning On/Off

Unpacking

Check and identify the supplied accessories:

Tablet Computer



Standard Battery



Power Adapter



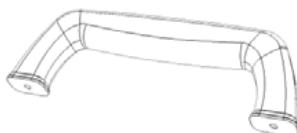
Power Cord and Plugs



Stylus



Handle

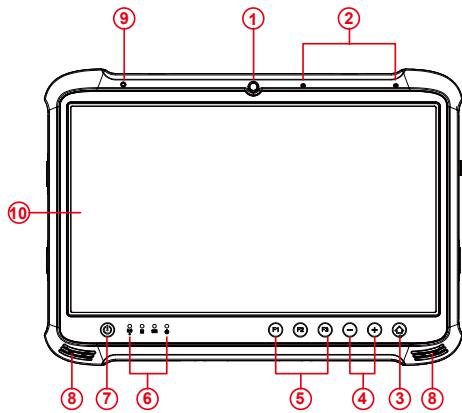


Kickstand

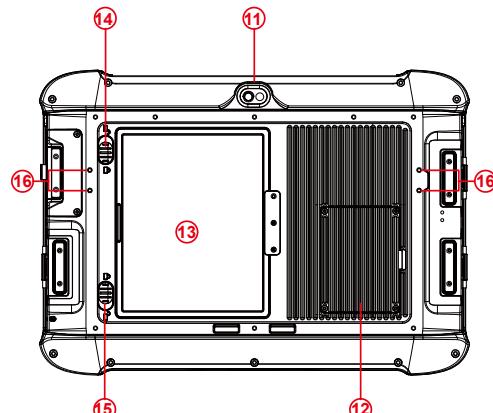


Description of Parts

Front

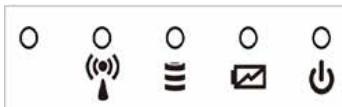


Rear



No	Item	Description
1	Front Camera	2 Megapixel Webcam
2	Microphone	Digital Microphones
3	Menu Button	HotTab Quick Access
4	+/- Buttons	Change be used to control volume/screen brightness
5	Fn Buttons	Programmable Function Buttons
6	LED Indicators:	Show the current status of the Tablet Computer
	RF	Green - WiFi/BT/3G/GPS ON No light - None of WiFi/BT/3G/GPS is ON
	HDD	Green - Harddrive Activity No light - Harddrive Idling
	Battery	Orange – AC adapter is plugged in and charging Green – AC adapter is plugged in and battery is completely charged Solid Red - Low battery (<10%) Blinking Red – Battery is being hot swapped. Not lit – Battery is in use and more than 10%
	Power	Blue – Tablet is ON No light – Tablet is OFF
7	Power Button	Turns on/off tablet
8	Speakers	Emit sounds
9	Light Sensor	Controls screen brightness
10	Touchscreen	Display and input for tablet
11	Rear Camera	5 Megapixel Camera with Flash
12	Service Window	Access to 2 SSD M.2 slots, 1 WWAN mPCIe slot, and Micro Sim Slot.
13	Battery	User-replaceable battery
14	Battery Lock Latch	Latch to lock the battery once battery is inserted. Not spring-loaded.
15	Battery Release Slider	Spring-loaded slider that latches the battery in.
16	Kickstand Screw Holes	Screw holes to mount the kickstand onto the tablet

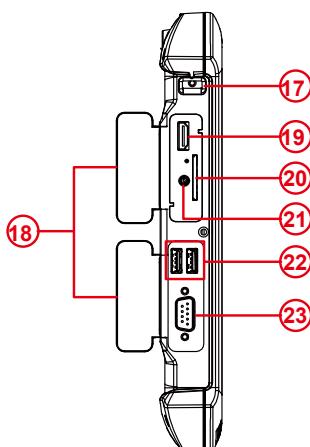
Front LED Indicators Detail:



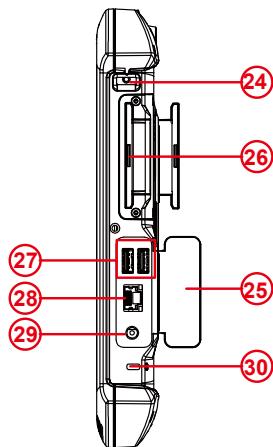
Front Button Details:



Left

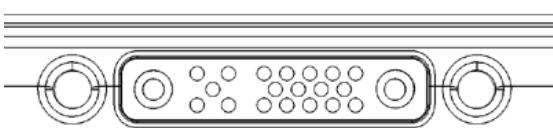


Right



No	Item	Description
17	Shoulder Strap D-Ring	Provides loop to mount shoulder strap
18	I/O Cover	Protects I/O Ports
19	HDMI	HDMI output to external display
20	SD Card	Memory card reader port for SD Card
21	Audio Jack (Mic In/Line Out)	Headset or headphone can be connected (Mic is only supported with 3.5mm 4-pin headset)
22	USB 3.0 x 2	2 Ports High Speed USB ports, connects to USB devices such as USB flash drive, mouse, keyboard, printer, etc.
23	RS232 Serial Port	RS232 COM Port interface for serial communication
24	Shoulder Strap D-Ring	Provides loop to mount shoulder strap
25	I/O Cover	Protects I/O Ports
26	Optional I/O Slot	Option of Smart Card Reader or 1D/2D Barcode Scanner
27	USB 2.0 x 2	2 Ports High Speed USB ports, connects to USB devices such as USB flash drive, mouse, keyboard, printer, etc.
28	LAN Port	Gigabit Ethernet RJ45 Connector for LAN connection
29	Power Jack	DC-IN Power input jack
30	Kensington Lock Port	Provides lock access for Kensington Lock.

Docking Connector Detail:



Combination Keys (Keyboard Key Emulation)

For the physical buttons on the tablet computer, in addition to their dedicated functions detailed in the previous section, they 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 POST (before Windows boots up):

Buttons	Keystroke
Menu	F7
Fn1	Recovery Menu
Fn2	ESC
Fn3	
“+” button	Up
“-” button	Down
Menu & Fn1	Enter
Menu & “+” button	Right
Menu & “-” button	Left

Under Windows:

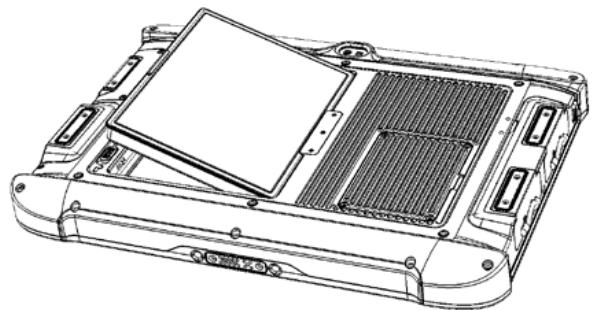
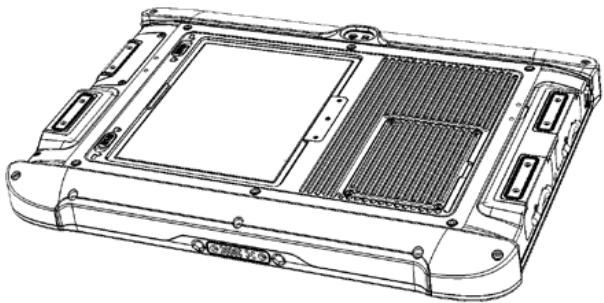
Buttons	Keystroke
“+” button & “-” button	Ctrl + Alt + Del

First-time Operation

Insert Battery Pack

To insert the included standard battery pack into the Tablet Computer:

1. Disconnect any cords connected to the tablet computer.
2. Turn the tablet computer over, back facing up.
3. Locate the Battery Lock Latch and push it to the “Unlocked” position.
4. Locate the Battery Release Slider that is spring-loaded. Pull back and hold.
5. Insert the battery on the connector-pins side first, and then lower the battery into the battery compartment. Continue to hold the Battery Release Slider before battery is fully inserted.
6. Make sure the battery is completely lowered into the compartment before letting go the Battery Release Slider. Battery will be flat against the housing once fully inserted



Remove Battery Pack

1. Shut down 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.

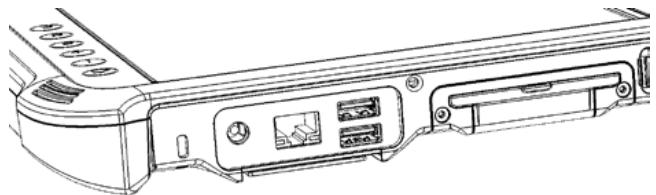
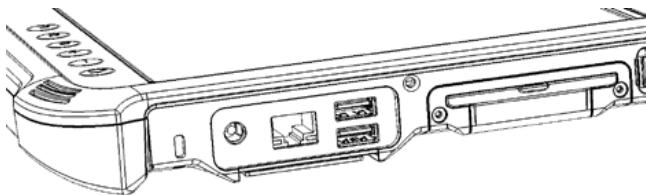


Caution

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

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.

Turning On / Off

Turning On

Press and hold the power switch for 3 seconds until the blue LED power indicator light lid up.



- Do not press the power switch repeatedly.
- Do not perform the following operations until the hard drive indicator turns off

Note

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

Turning Off

Perform the following procedure to shutdown 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. Open the Charms Bar by swiping your finger from the far right of the screen towards the middle of the screen.
3. Tab on the Settings charm.
4. Tab on Power.
5. Tab on Shut Down.
6. Wait for Tablet Computer to power off.



Note

- The computer will forcibly be turned off if the power switch is pressed and held for six seconds or longer.

Setting up Windows for the First Time

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

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 clickNext.
3. On the next screen, type the password in the text box, retype the password in the next box, and then clickNext

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 clickNext.

Protecting your computer

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

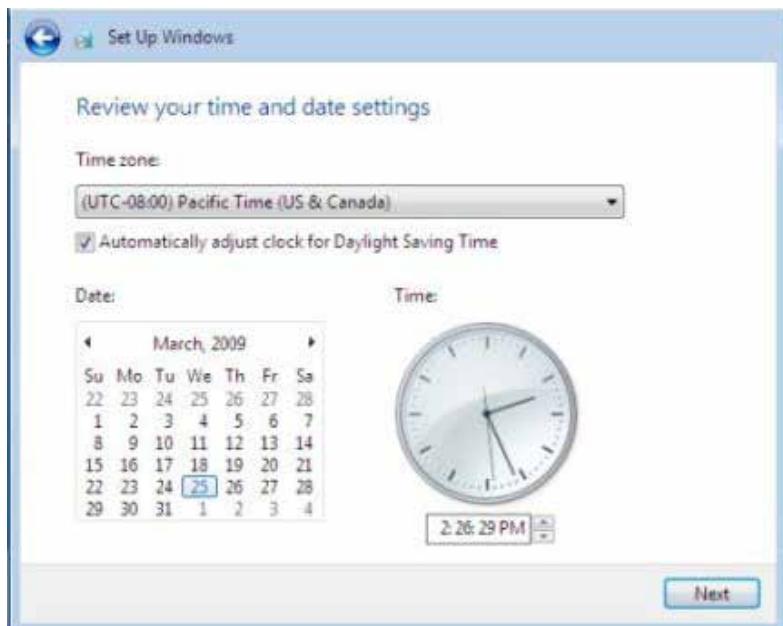


You have three choices: Use recommended settings (automatically downloads and installs all updates provided by Microsoft), Install important updates only (only downloads and installs critical updates), and Ask me later.

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.



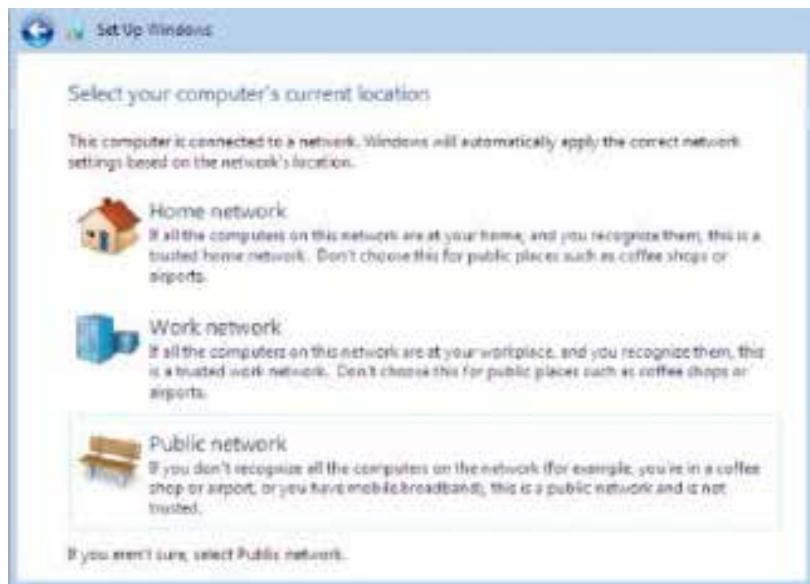
Verify your time zone, time, and date. Make any necessary changes. Then click Next to continue.

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.
2. 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.
 - 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.

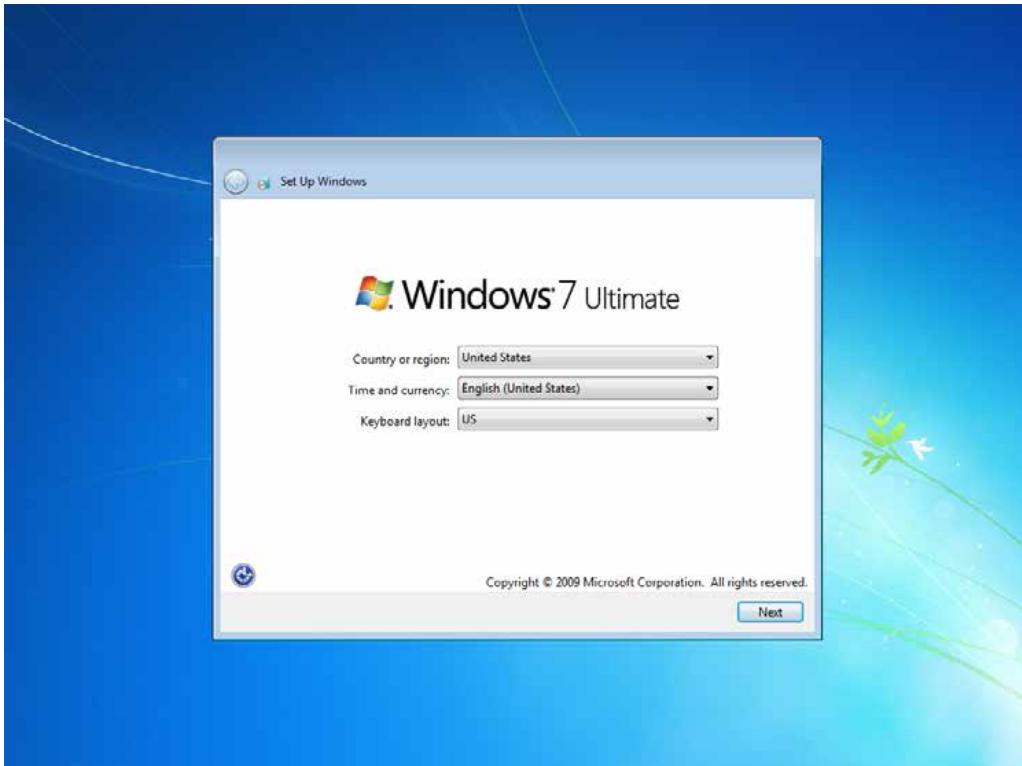
Completing Windows 7 Setup

After completing Windows 7 setup, aPreparing your desktopscreen displays. Please allow several minutes for Windows to save your settings.

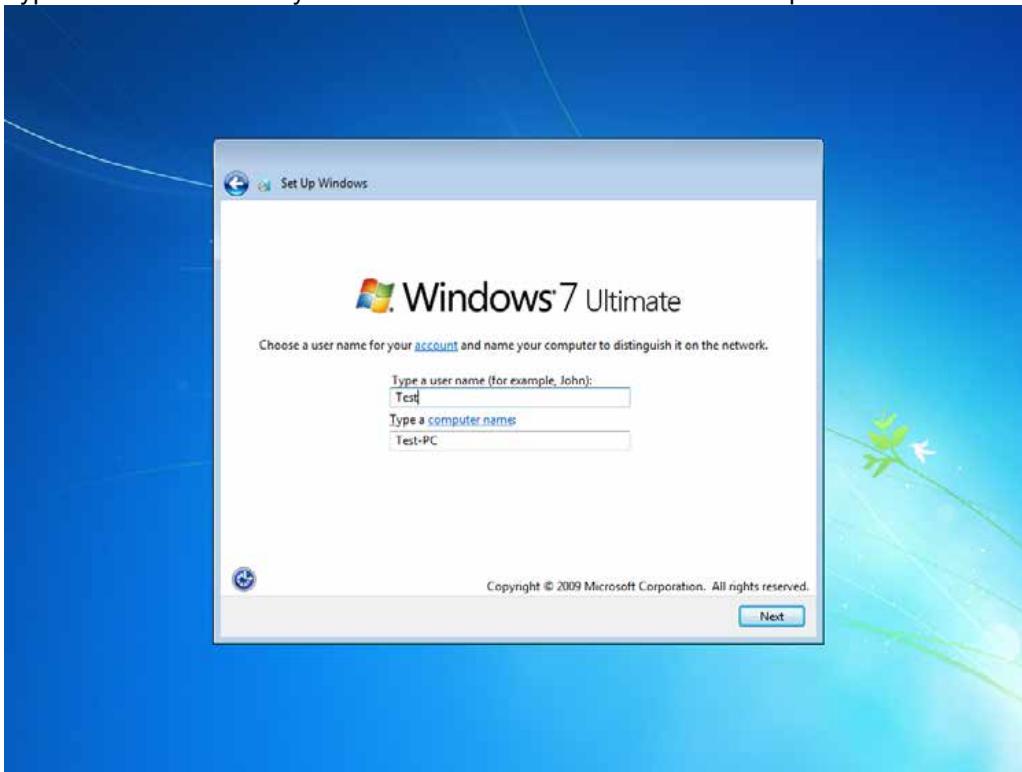
Setting up Windows 7 Ultimate/Professional

Follow the steps below to complete the setup process.

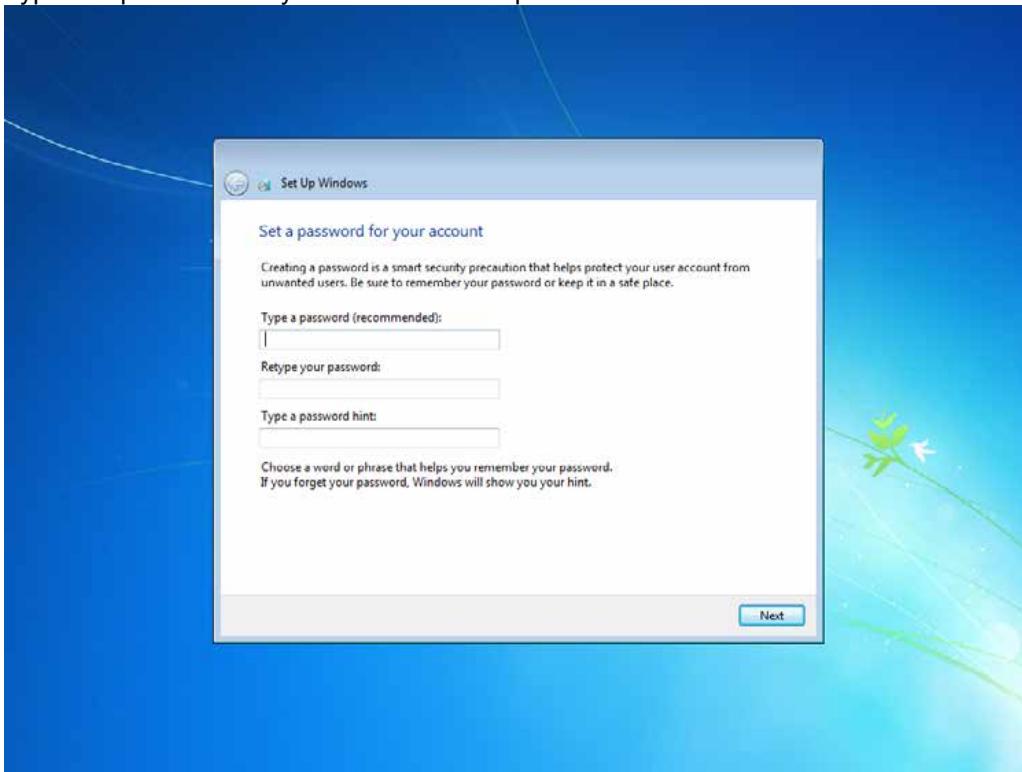
1. Press the power button to turn on the computer.
2. First select your region and language information, and then tap Next



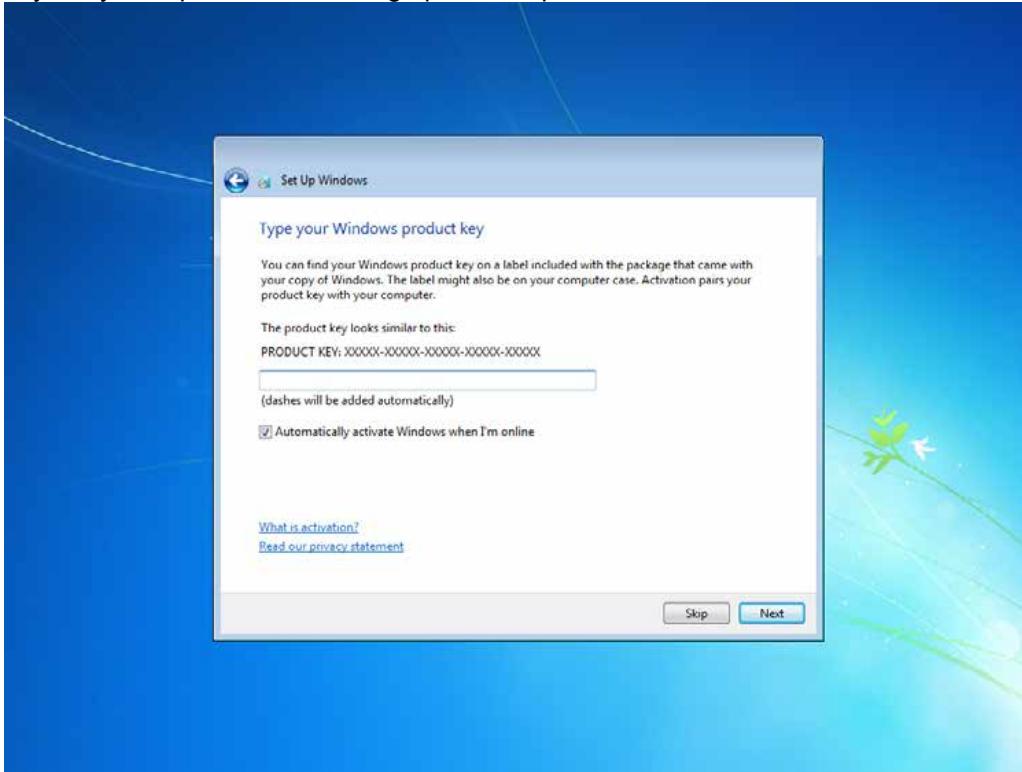
3. Type in a user name for your account to be used on this PC and tap Next



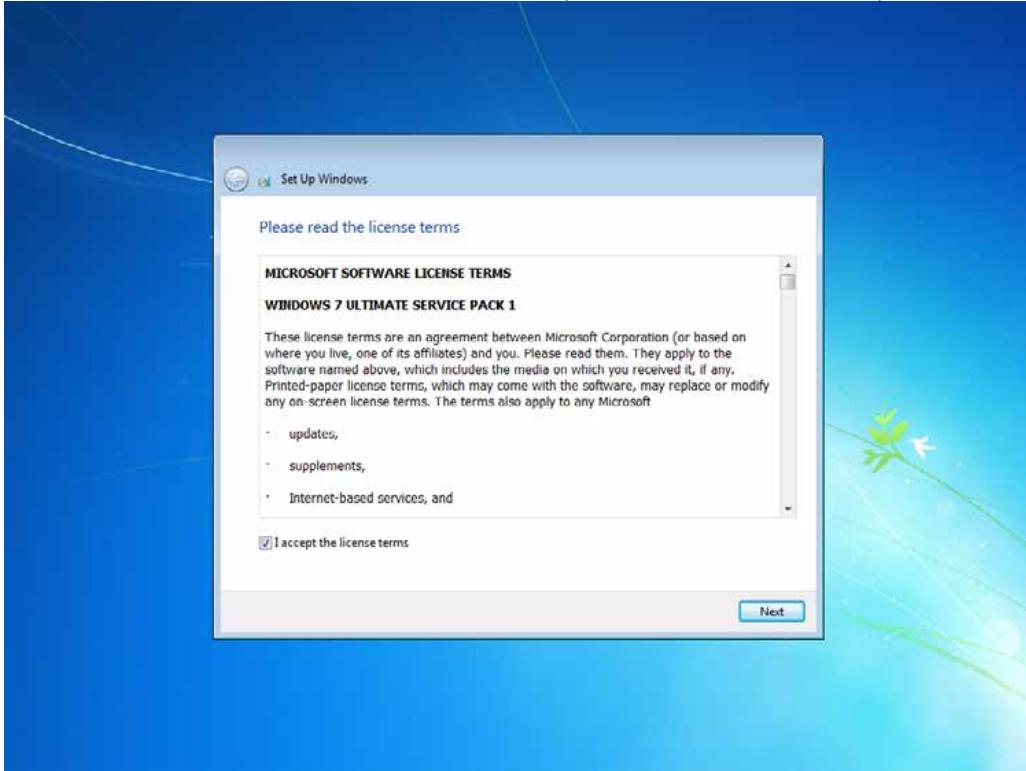
4. Type in a password for your account and tap Next



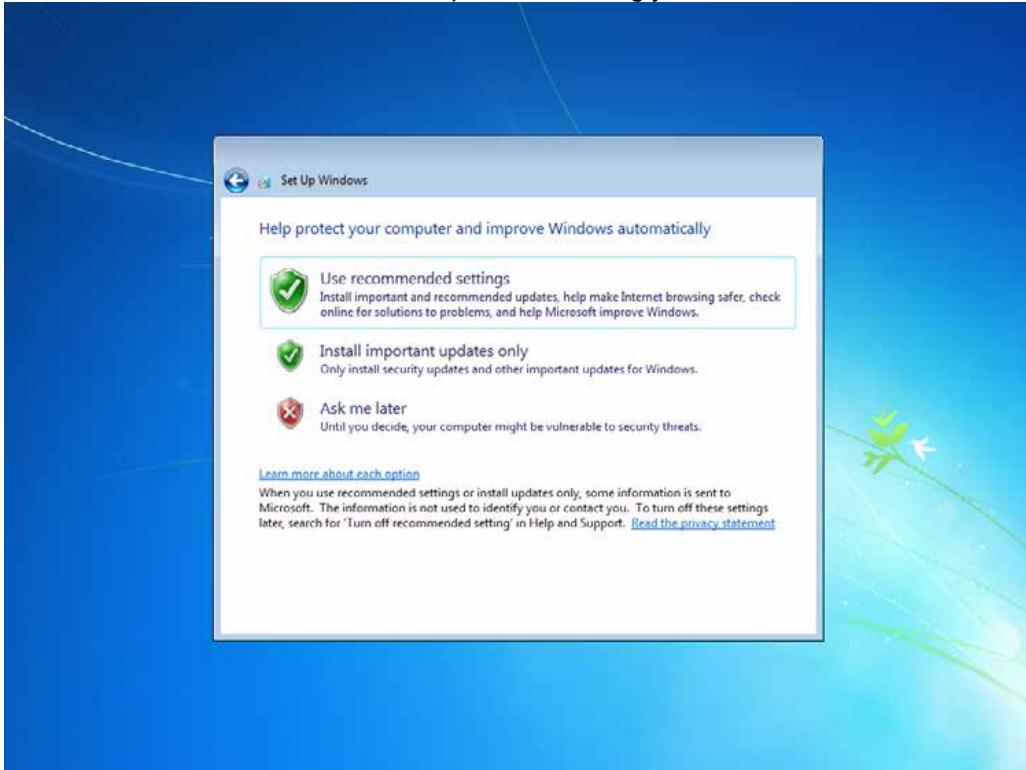
5. Now enter the product key that came with the computer and tap Next. For this version of the Windows, a product key entry is required when setting up the computer for the first time.



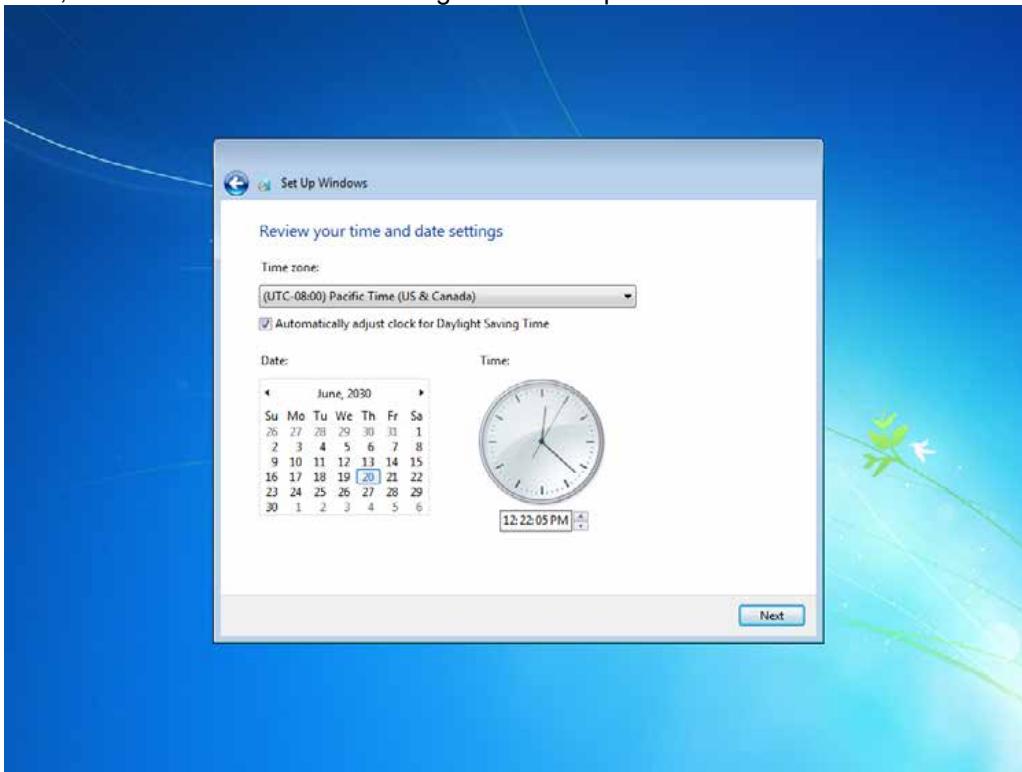
6. On the license terms screen, click on the I accept the license terms and tap Next



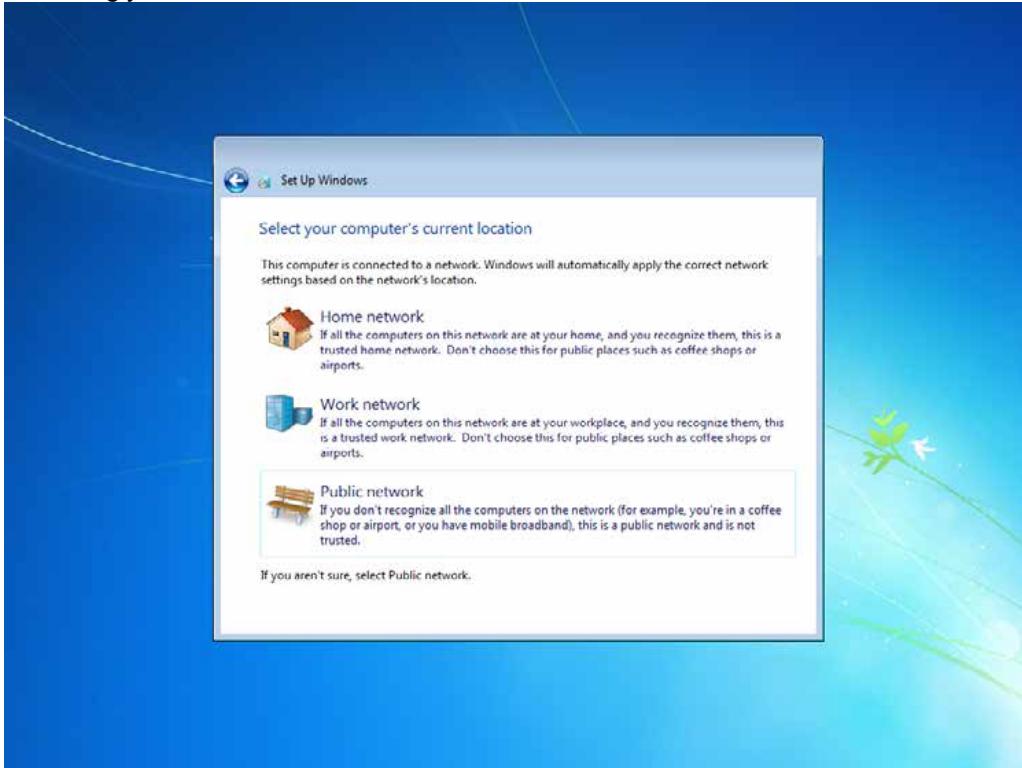
7. For the update option, choose Use recommended settings for Windows to install updates. If you do not wish Windows to do so, choose the other options accordingly.



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.



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

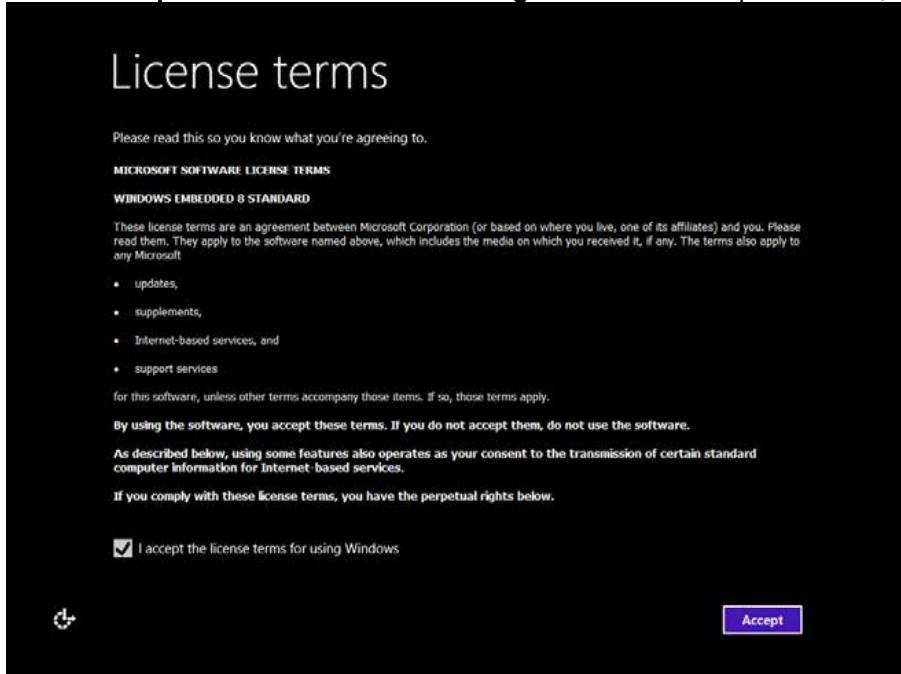


11. Now the computer is ready to be used.

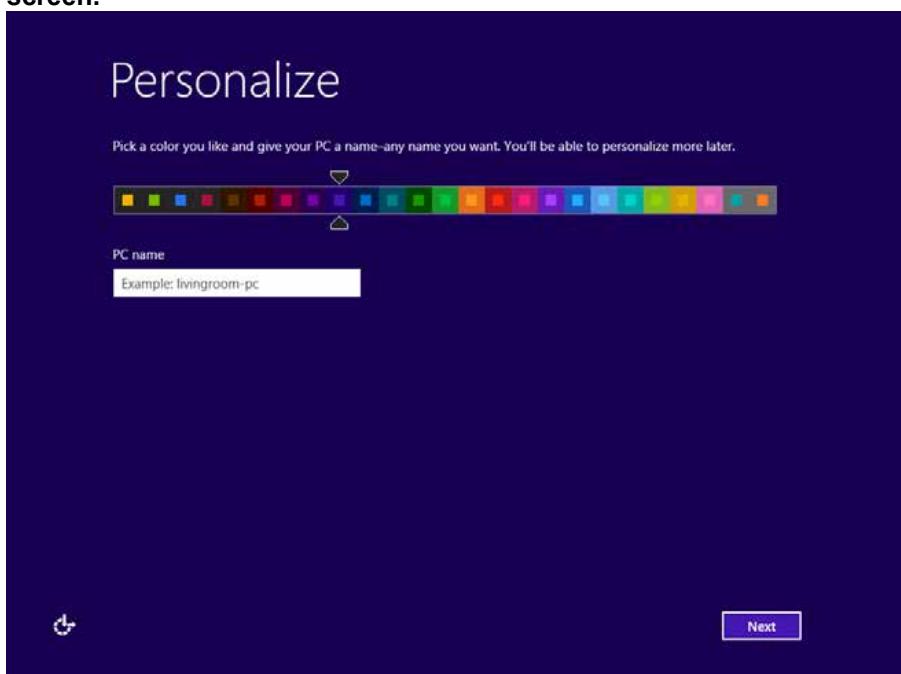
Setting up Windows Embedded 8 Standard

Follow the steps below to complete the setup process.

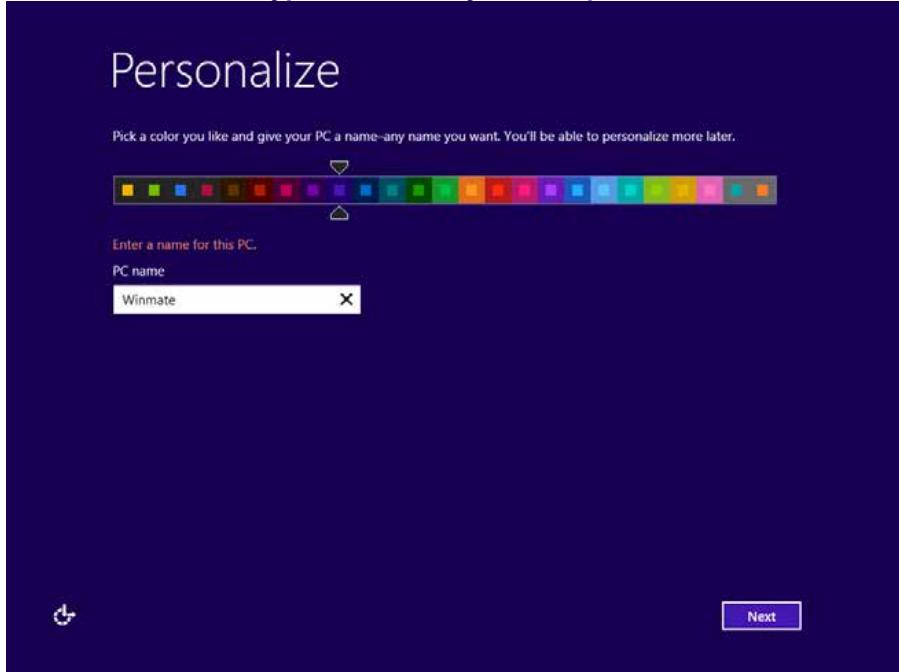
1. Press the power button to turn on the computer.
2. Check I accept the license terms for using Windows to accept the terms, and then click or tap **Accept**.



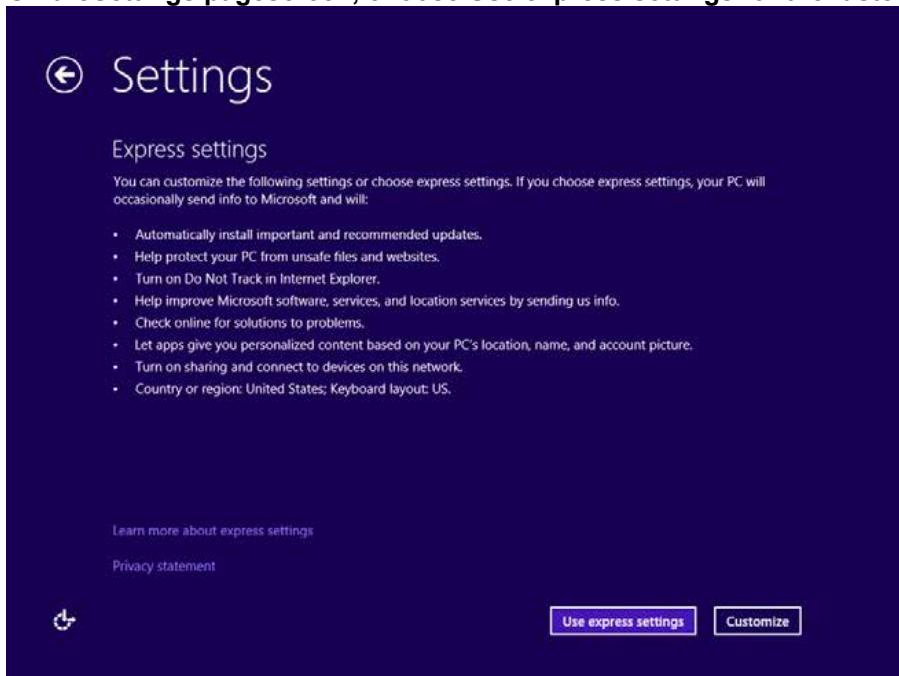
3. On the Personalize screen, choose a color you like – you can always change this later from the Start screen.



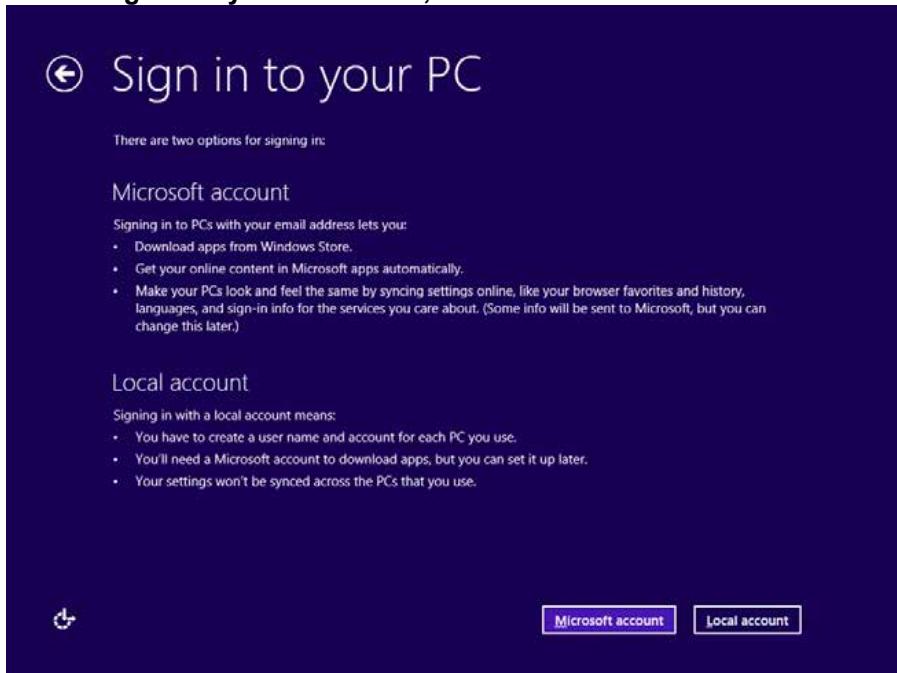
4. In the PC namefield, type a name for your computer, and then click or tap Next.



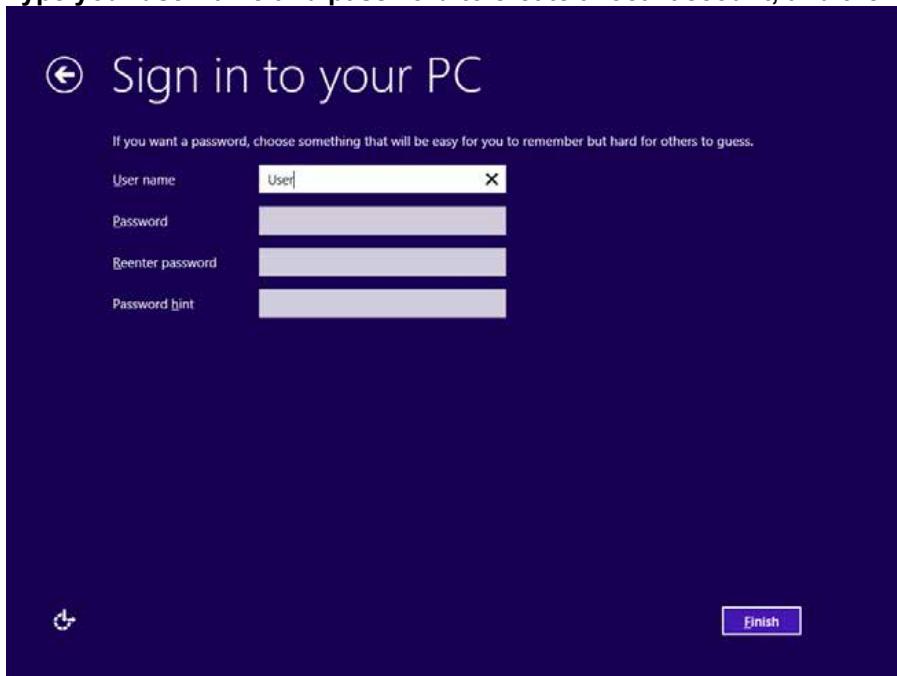
5. On the Settings pagescreen, choose Use express settings for the fastest setup.



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



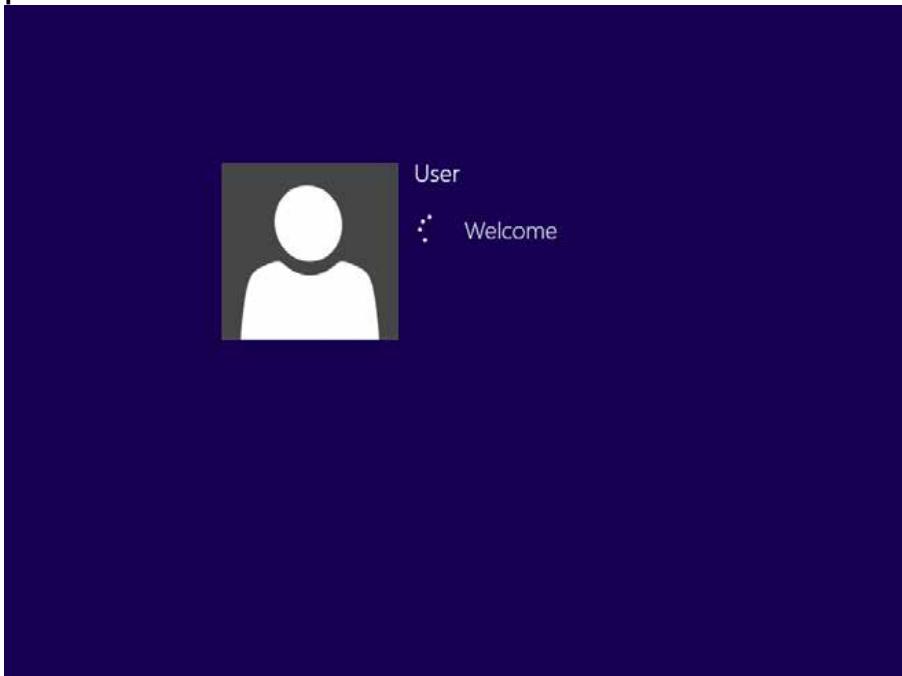
7. Type your username and password to create a local account, and then click or tapFinish.



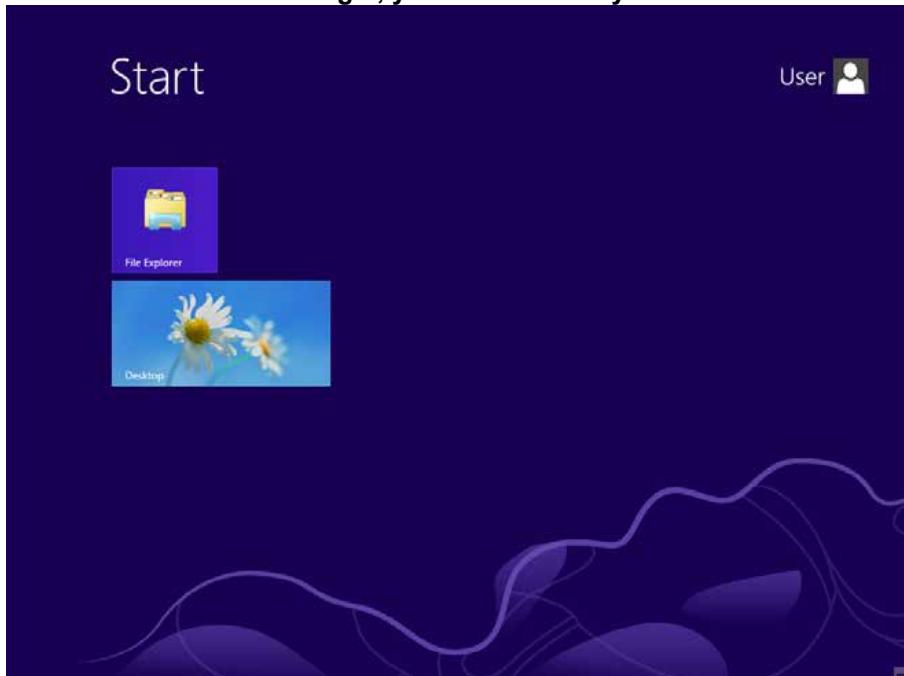
8. **Windows may take some time to finalize your settings.**



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



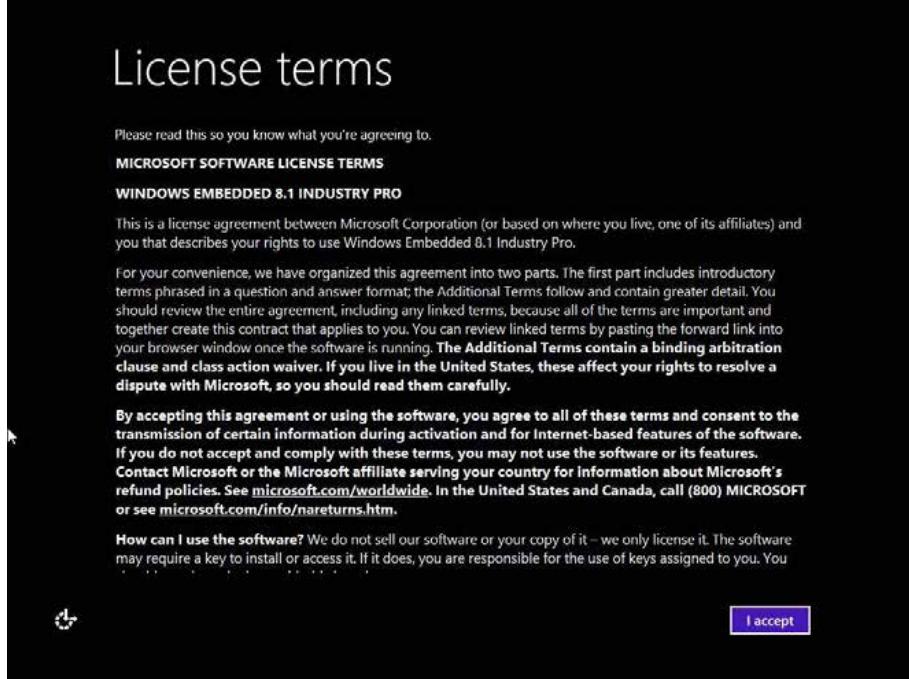
10. Once Windows finishes login, you are now ready to use the PC



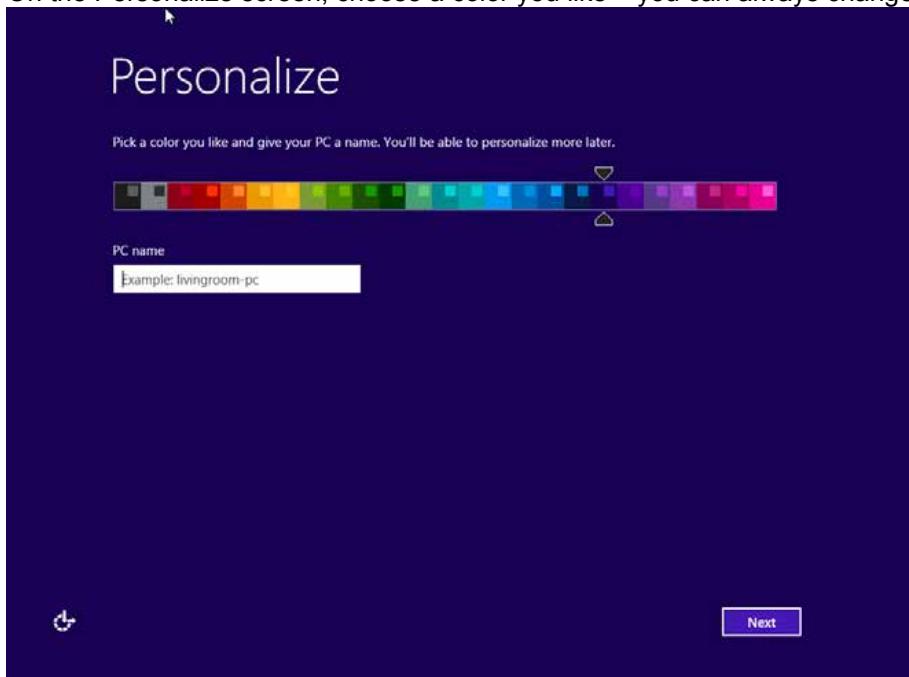
Setting up Windows Embedded 8.1 Industry Pro

Follow the steps below to complete the setup process.

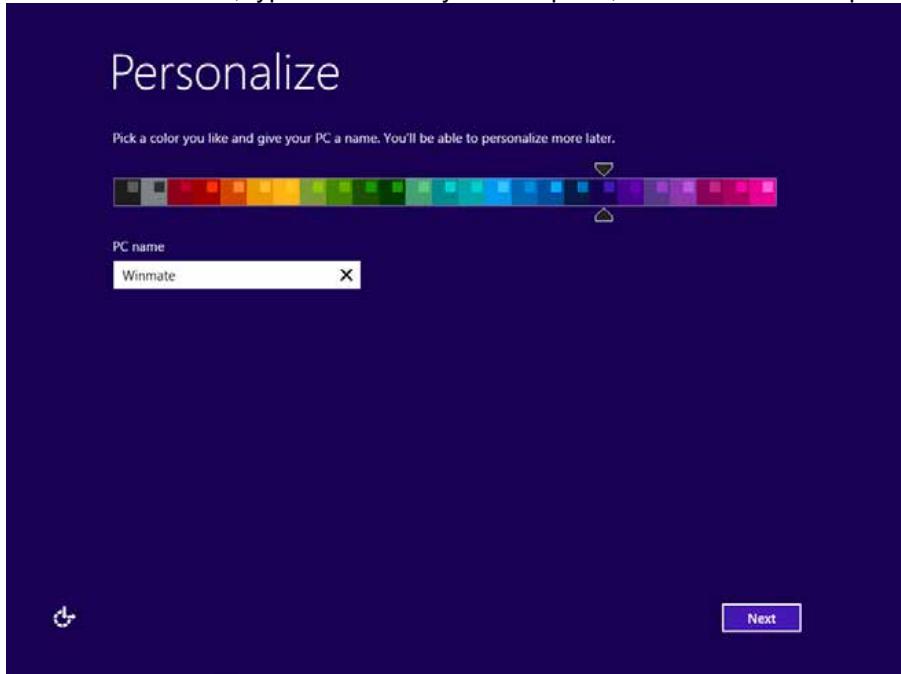
1. Press the power button to turn on the computer.
2. CheckI accept the license terms for using Windows to accept the terms, and then click or tapAccept.



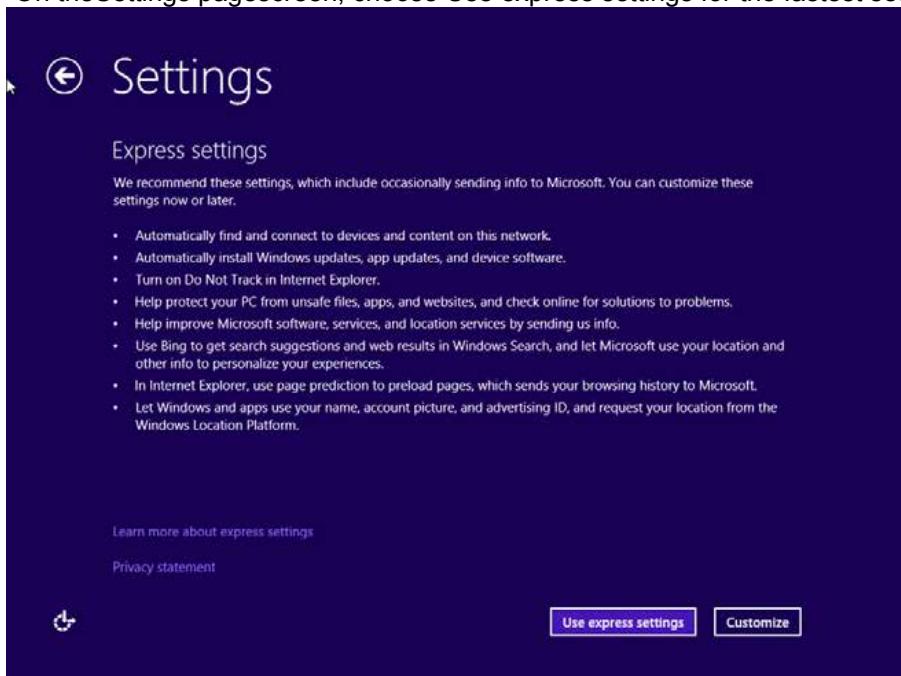
3. On the Personalize screen, choose a color you like – you can always change this later from the Start screen.



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



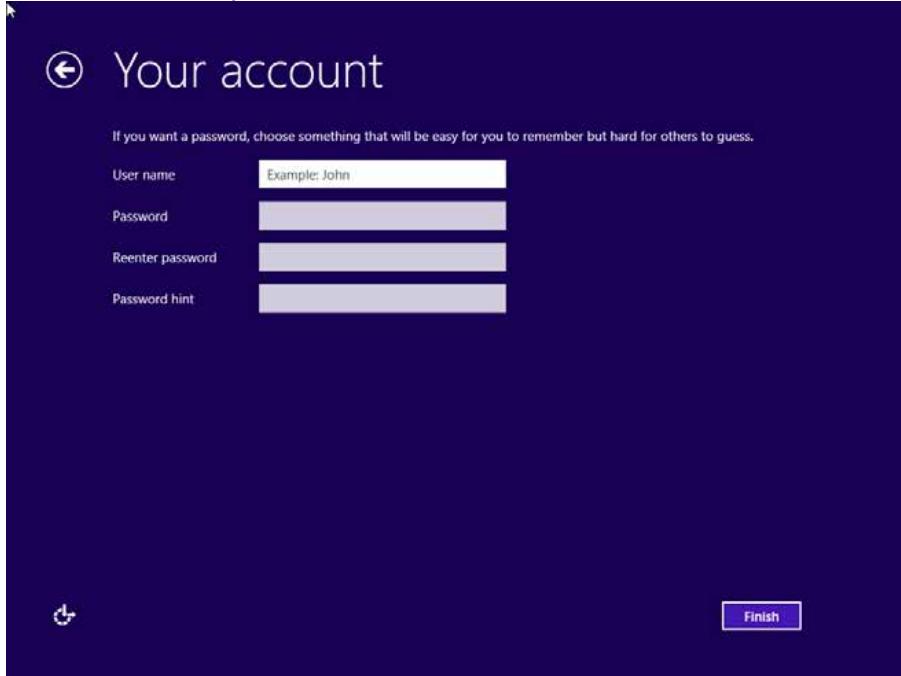
5. On the Settings pagescreen, choose Use express settings for the fastest setup.



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.



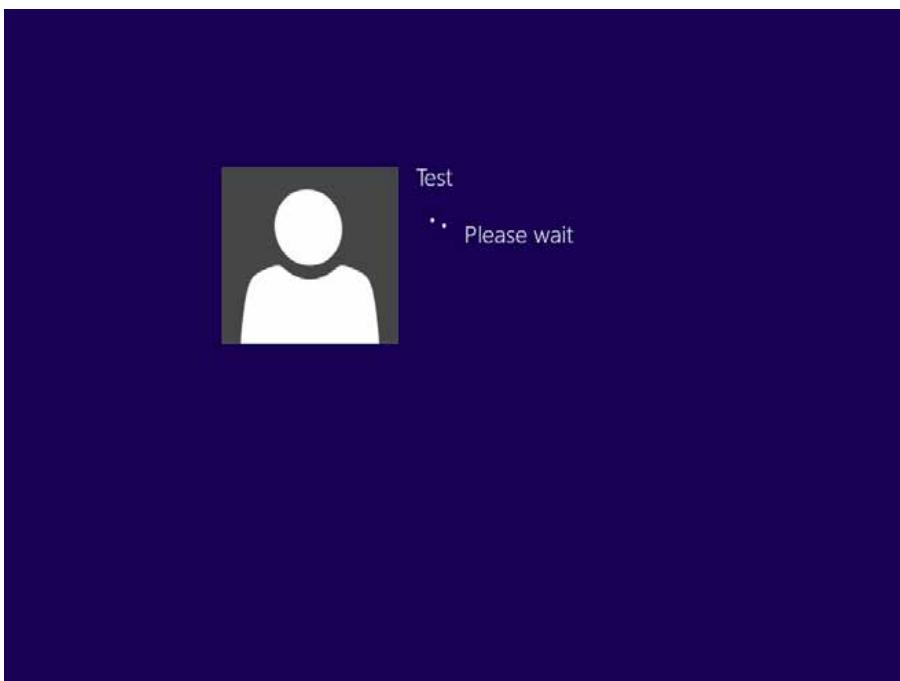
7. On Your account screen, type your username and password to create a local account, and then click or tapFinish.



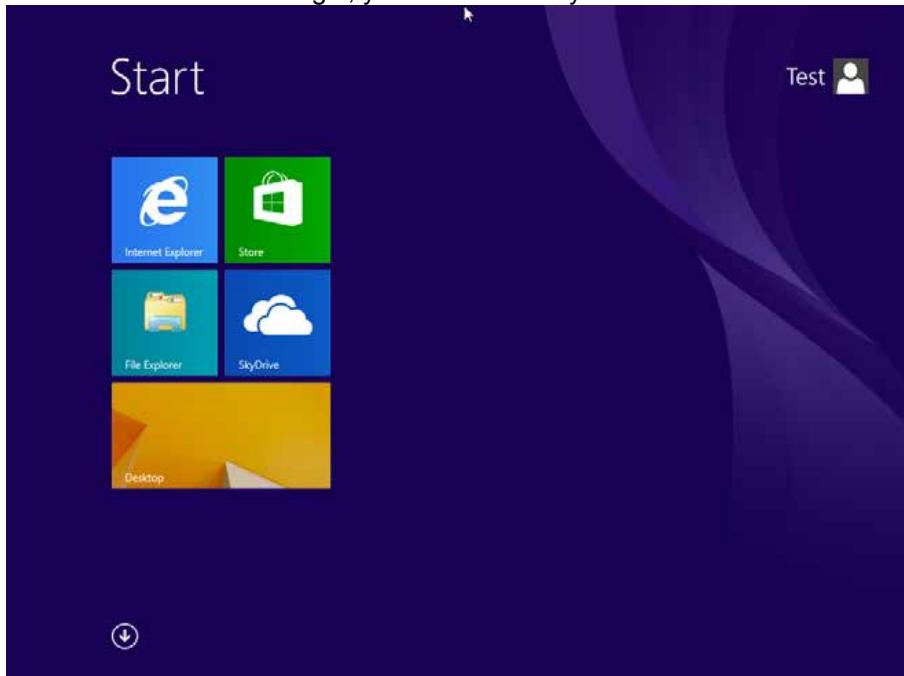
8. Windows may take some time to finalize your settings.



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



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



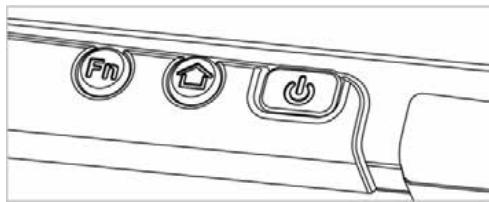
Using the Tablet

HotTabIntroduction

HotTab provides quick access to the tablet's functions and features, such as turning on/off Wifi, Bluetooth, GPS, 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.

(Menu) Button on the Front Panel:



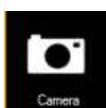
HotTabUtility Icon:



HotTab is designed to be a quick access utility, therefore the main user interface will be on the right side of the screen without blocking the content on screen. There are 4 main menu options: Shortcut, Camera, Device and Settings. Operations and functions on each menu options is explained in detail in the coming section.



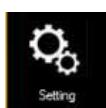
Shortcuts button allows users to configure short cut to quickly access programs with a few tabs.



Camera button allows users take a picture or record a video. User can also adjust setting related to camera in this menu option.



Device button enables/disables tablet computer's hardware functions. The configurable functions are Wi-Fi, GPS, Bluetooth, Camera, LED indicators, Barcode Reader, RFID Reader, Expansion Port, and GPS Antenna routing options.

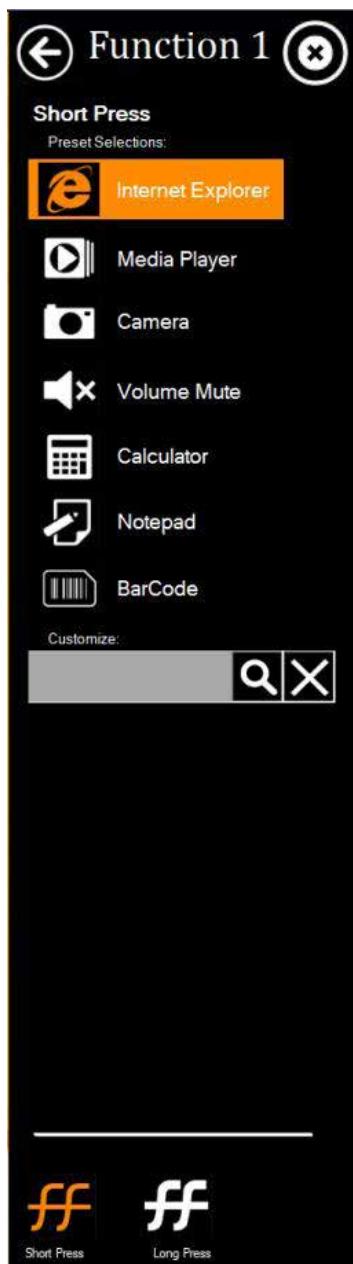


Setting button provides users information such as PC Information, Battery status, and also device settings such as power management setting, and function key mappings.

Using the physical function keys (Hotkeys)



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 (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 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 icon to remove connection to the original application, and pick again tapping on icon.

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.

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  (Menu) Button located on the front panel, OR launching the HotTab Utility application.
2. Tap on the Device button.
3. Check the status color of the Wi-Fi icon:

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

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



- 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  (Menu) Button located on the front panel, OR launching the HotTab Utility application.
2. Tap on the Device button.
3. Check the status color of the GPS icon:

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

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

Using the Bluetooth feature

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

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

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

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

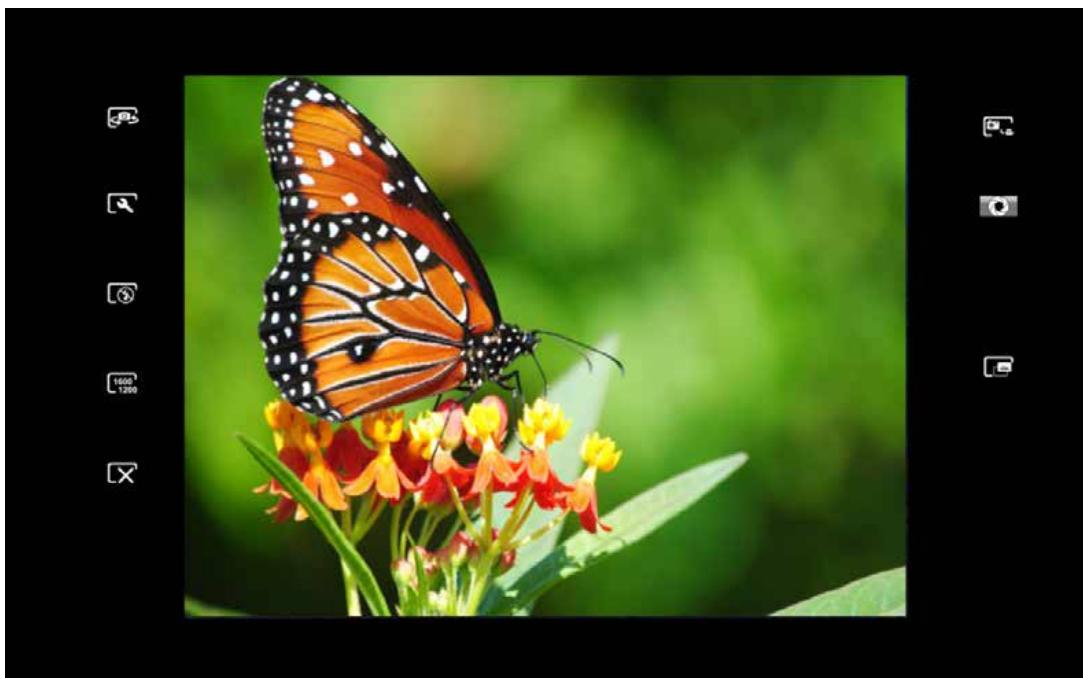
Using the Camera feature

This HotTab menu option allows users take a picture or record a video. Before use, make sure the Camera is turned on under Devices menu option following the following procedure:

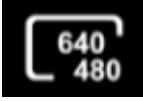
1. Open the HotTab utility by press the  (Menu) Button located on the front panel, OR launching the HotTab Utility application.
2. Tap on the Device button.
3. Check the status color of the Camera icon:

Item	Status Color	Description
	Orange	Camera is enabled.
	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  (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	 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	 Disables LED Flash when taking picture.  LED flash fires regardless of condition when taking pictures.  LED Flash fires automatically in low light condition when taking pictures.
4	Resolution	 Pictures will be saved at resolution of 640 x 480 .  Pictures will be saved at resolution of 1024 x 768 .  Pictures will be saved at resolution of 1600 x 1200 .  Pictures will be saved at resolution of 2592 x 1944 .
5	Exit	 Exits the Camera and hide HotTab Utility.
6	Picture/Video Mode Switch	 Switches between picture taking or video recording.
7	Shutter/Record (automatically switch base on mode)	 Camera Shutter Button. Tap to take picture.  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.

Using the Barcode Reader feature

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

1. Open the HotTab utility by press the  (Menu) Button located on the front panel, OR launching the HotTab Utility application
2. Tap on the Device button.
3. Check the status color of the BarCode icon:

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

4. If the Barcode Reader feature is disabled (white), tap on the BarCode icon to enable it (orange).
5. Set either the Fn1 or Fn2 physical function keys to trigger the Barcode (See Using the physical function keys section to learn how to setup the function keys).
6. Open the application where barcode reader will be displaying the scanned barcode.
7. Trigger the Barcode by pressing function keys set in the above steps.

Using the RFID Reader feature

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

1. Open the HotTab utility by press the  (Menu) Button located on the front panel, OR launching the HotTab Utility application.
2. Tap on the Device button.
3. Check the status color of the RFID icon:

Item	Status Color	Description
	Orange	RFID Reader is enabled. Reading will occur without trigger.
	White	RFID Reader is disabled.

4. If the RFID Reader feature is disabled (white), tap on the RFID icon to enable it (orange).
5. Set either the Fn1 or Fn2 physical function keys to trigger the RFID Reader (See Using the physical function keys section to learn how to setup the function keys).
6. Open the application where RFID reader will be displaying the scanned RFID tag.
7. Trigger the RFID Reader by pressing function keys set in the above steps.

Configuring High Resolution Screen Scaling and Setting

The M133W's 1920 x 1080 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 1080. This section will explain how you can adjust the built-in windows display scaling setting and resolution setting.



- M133W 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.

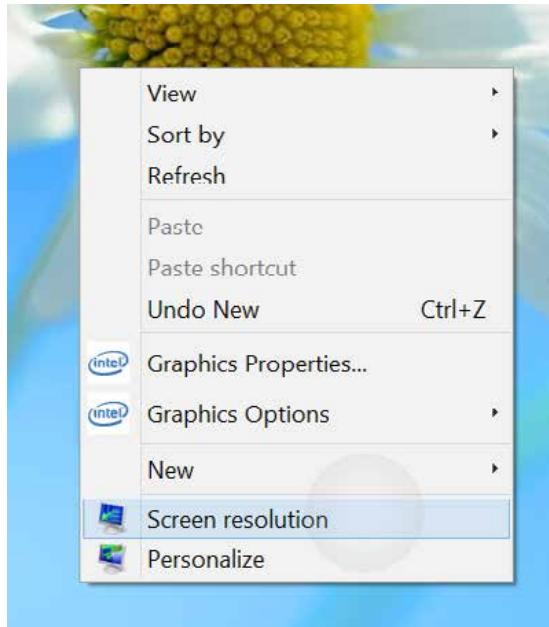
Note

- 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.

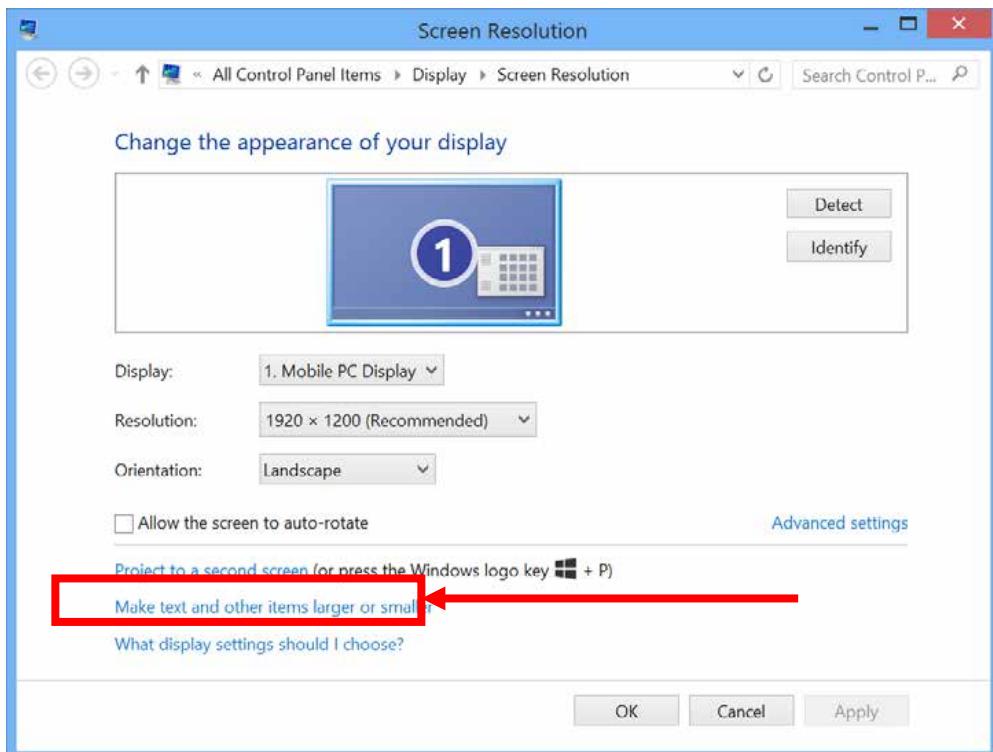
Changing display scaling setting (Recommended)

Perform the following to change display scaling setting:

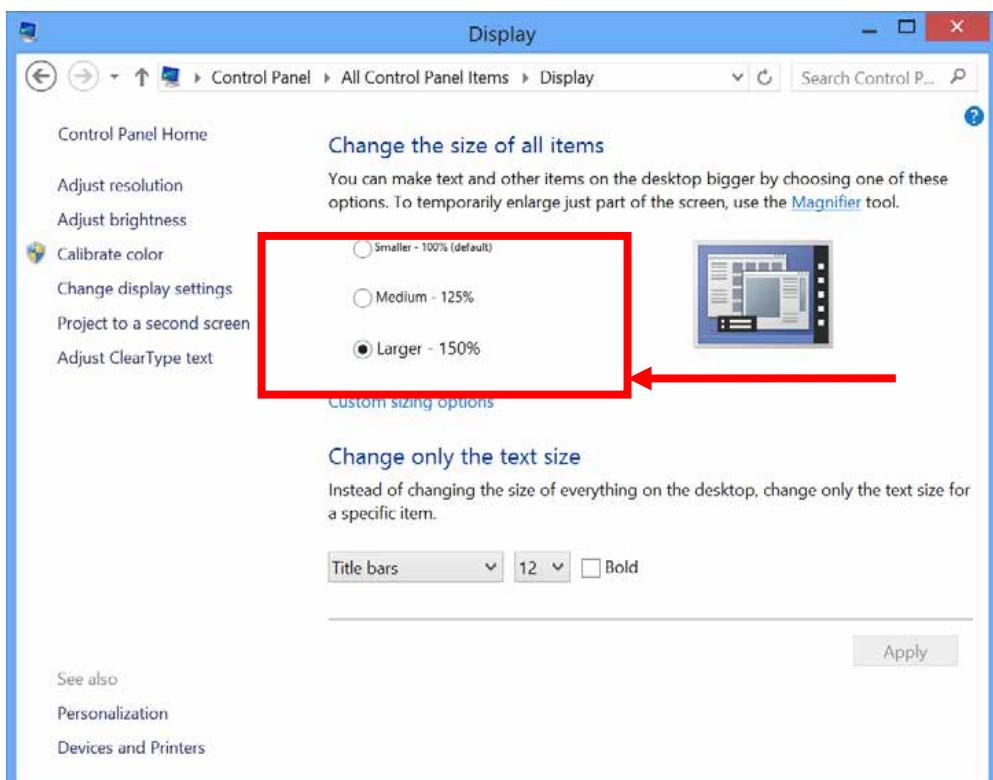
1. Tap and hold anywhere on the desktop for 3 seconds and release to bring up the context menu, and select "Screen resolution" option as shown below:



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:



3. 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. 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:

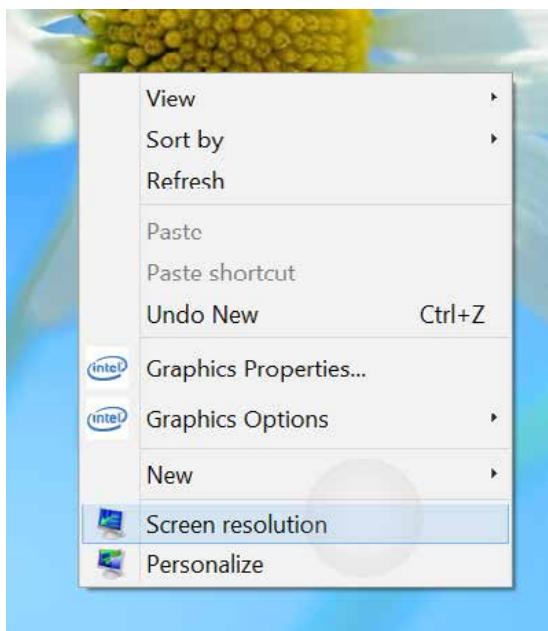


5. The user may now login again to Windows to see the changed display scaling already being applied.

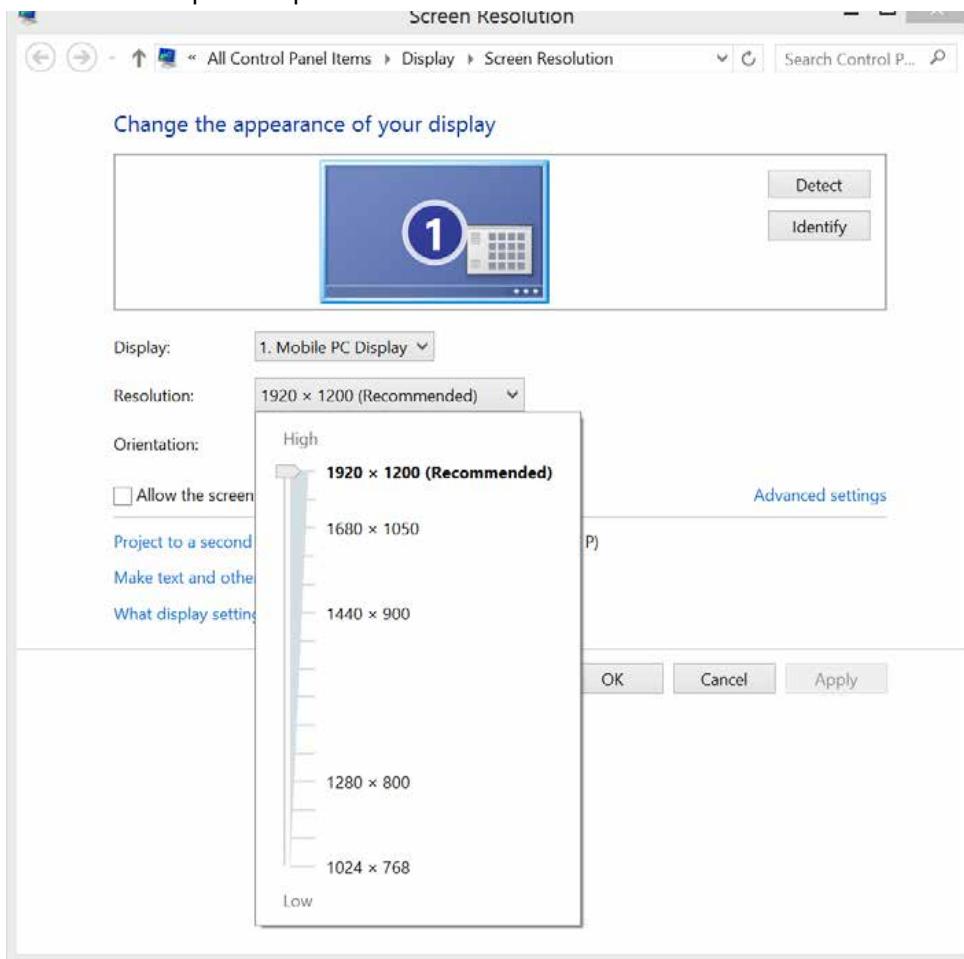
Changing screen resolution setting

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:



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

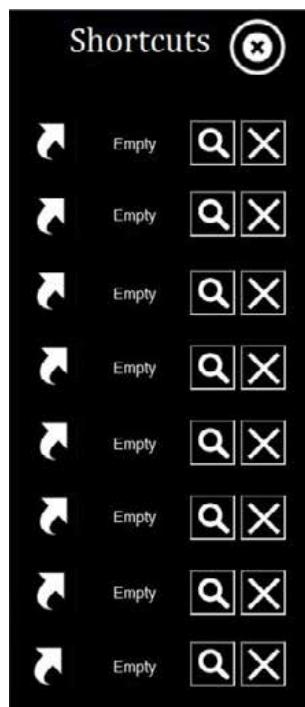


3. Hit “Apply”. A prompt “Display Settings” prompt will show up to ask the user if the applied resolution is usable.
4. If the new resolution is the desired display setting hit “Keep changes” and continue to next step. If the new resolution is not desirable, hit “Revert” and select a different resolution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

Using the HotTabShortcuts (On-screen Software Shortcut)

The HotTab shortcuts are user configurable on-screen software short cuts via HotTab to allow users to have 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:



1. Open the HotTab utility by press the  (Menu) Button located on the front panel, OR launching the HotTab Utility application.
2. Tab on the Shortcuts button. 
3. Tab on  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:

1. Open the HotTab utility by press the  (Menu) Button located on the front panel, OR launching the HotTab Utility application.
2. Tab on the Shortcuts button.
3. Tab on the  button of any saved slot to remove
4. Shortcut will be removed, and once again show "Empty" to indicate slot is empty.
5. Tab on the  button will hide the HotTab Utility Menu.

Using the HotTab shortcuts:

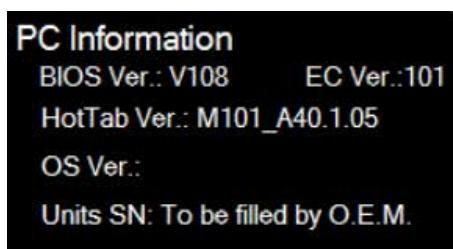
1. Open the HotTab utility by press the  (Menu) Button located on the front panel, OR launching the HotTab Utility application.
2. Tab on the Shortcuts button.
3. Tab on the saved shortcut items to access the saved programs.

Accessing the Device Information (HotTab Setting)

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:

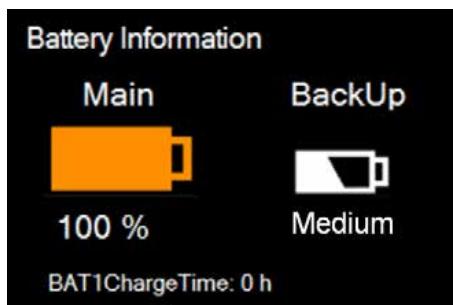
1. Open the HotTab utility by press the  (Menu) Button located on the front panel, OR launching the HotTab Utility application.
2. Tap on the Settings button.
3. Below shows the items listed in Settings Menu.

PC Information:



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: (Optional)

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.

Replacing Hot Swappable Battery

The tablet computer supports hot-swapping of batteries, meaning the tablet doesn't need to be powered off in order to replace the mainbattery. 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.

Setting up the Barcode Scanner Configuration

Using Recovery Wizard to Restore Computer

The 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 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 tablet computer. Make sure the tablet computer stays plugged in to power source during the recovery process.
2. Turn on the tablet computer, and when the boot screen shows up, press the Fn1 button (Recovery Key) on the front bezel OR press F6 when using an external USB keyboard to initiate the Recovery Wizard.
3. The following screen shows the Recovery Wizard. Click on "Recovery" button to continue.



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



5. Wait till the recovery process to complete. During the recovery process, a command prompt will show up to indicate the percent of recovery process. After recovery is completed, and the tablet computer will restart automatically.



Accessories

M133W offers the following optional accessories that can be purchased:

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 turned 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 turned 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 turned on (For the Tablet Computer, check HotTab to see if Bluetooth is turned 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 turned 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 turned 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.

Winmate Communication INC.
9F, No.111-6, Shing-De Rd., San-Chung District, New Taipei
City 241, Taiwan, R.O.C
Web Site: <http://www.winmate.com.tw>

Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter.

Federal Communication Commission (FCC) Radiation Exposure Statement

This EUT is compliance with SAR for general population/uncontrolled exposure limits in ANSI/IEEE C95.1-1999 and had been tested in accordance with the measurement methods and procedures specified in OET Bulletin 65 Supplement C. This equipment should be installed and operated contact with the radiator & your body.

FCC Specific Instructions (for UNII wz DFS) KDB443999

The FCC, National Telecommunications and Information Administration (NTIA), Federal Aviation Administration (FAA) and industry are working to resolve interference to Terminal Doppler Weather Radar (TDWR) systems used near airports that has occurred from some outdoor wireless systems operating in the 5470 MHz – 5725 MHz band. These wireless devices are subject to § 15.407 of our rules and when operating as a master device they are required to implement radar detection and Dynamic Frequency Selection (DFS) functions.

Devices intended for outdoor use will be further restricted, as follows:

- Devices must be professionally installed when operating in the 5470 - 5725 MHz band.
- Any installation of either a master or a client device within 35 km of a TDWR location shall be separated by at least 30 MHz (center-to-center) from the TDWR operating frequency (as shown in the TDWR location at <http://www.spectrumbridge.com/udia/home.aspx>). This will require that channel 116 is not used in these locations.
- The installers and the operators must register the devices in the industry-sponsored database with the appropriate information regarding the location and operation of the device and installer information. A voluntary Wireless Internet Service Providers Association (WISPA) sponsored database has been developed that allows operators and installers to register the location information of the Unlicensed National Information Infrastructure (UNII) devices operating outdoors in the 5470 - 5725 MHz band within 35 km of any TDWR location (see <http://www.spectrumbridge.com/udia/home.aspx>). This database may be used by government agencies to expedite resolution of any interference to TDWRs.

This device complies with Industry Canada's licence-exempt RSSs. Operation is subject to the following two conditions:

(1) This device may not cause interference; and

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

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence.

L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2)

l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

The device shall automatically discontinue transmission in cases of absence of information to transmit, or operational failure. Note that this is not intended to prohibit transmission of control or signalling information or the use of repetitive codes where required by the technology.

High Power Radars: High power radars are allocated as primary users (meaning they have priority) in the 5250MHz to 5350MHz and 5650MHz to 5850MHz bands. These radars could cause interference and/or damage to Wireless LAN devices used in Canada.

Les utilisateurs de radars de haute puissance sont désignés utilisateurs principaux (c.-à-d., qu'ils ont la priorité) pour les bandes 5 250 - 5 350 MHz et 5 650 - 5 850 MHz. Ces radars pourraient causer du brouillage et/ou des dommages aux dispositifs LAN-EL.

IC Radiation Exposure Statement

This EUT is compliance with SAR for general population/uncontrolled exposure limits in IC RSS-102 and had been tested in accordance with the measurement methods and procedures specified in IEEE 1528. This equipment should be installed and operated with minimum distance 0cm between the radiator & your body.

This equipment should be installed and operated contact with the radiator & your body.