

# **M3 PC10**

# **User Manual**

Version 1.1 © 2025

Korea Headquarter Seoul, Korea | sales@m3mobile.co.kr | +82-(0)2-574-0037

Europe Headquarter Germany, Frankfurt | sales\_eu@m3mobile.net | +49-(0)-6190-8021829

www.m3mobile.net



# **Revision**

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- To be updated in future OS versions
- Edit Humidity



#### **Terms of Use**

hank you for purchasing the M3 PC10. This device provides high-performance data collection and meets industrial communication standards. This manual will help users understand the features and usage of the PC10 series.

Please read this manual before using the device to prevent accidents and ensure safe operation.

- The contents of this manual are subject to change without notice.
- The descriptions are based on the device's default settings.
- Illustrations and screenshots in this manual reflect the latest software version.
- This manual assumes that the device includes all options. For available options, please contact your local distributor or visit our website: <a href="http://www.m3mobile.co.kr">http://www.m3mobile.co.kr</a>.
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- The company may request user or third-party developed apps to improve the device's environment or performance.
- A newer OS version may be released after the device's purchase. For updated OS information, contact your local distributor.
- This device operates in at least one member country without interfering with the radio spectrum.
- This manual may contain technical or editorial errors.

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## **Safety Rules**

- Do not use the device while driving.
  - ✓ Traffic accidents may occur.
  - ✓ Observe the rules on device use while driving.
- Do not touch the power plug with wet hands.
  - ✓ You may be electrocuted.
- Be careful when using the battery.
  - ✓ Avoid causing a strong impact on the battery or breaking a hole through it with a sharp thing.
  - ✓ Do not put water on the battery or submerge it in water.
  - ✓ Do not let the charging terminal of the battery come into contact with a metal material.
- Keep the device, battery, or charger away from direct heat sources.
  - ✓ Heat may cause the device to become deformed, or an explosion or fire may occur.
  - ✓ If the device is placed inside a vehicle, the battery may explode due to increase in temperature.
- Do not use the device when there is thunder or lightning.
  - ✓ Lightning or fire may cause the device to break down or you may be electrocuted.
- Turn off power of the device when device use is prohibited.
  - ✓ Hazardous or wave-related problem may occur.
  - ✓ Turn off power of the device when you board a plane. The electromagnetic waves generated from the device may affect the plane's electronic equipment.
  - ✓ Turn off power of the device when you are in a hospital. Observe the device rules while in a hospital. The electromagnetic waves generated from the device may affect the medical equipment in the hospital.
- Turn off power of the device in hazardous areas where explosions may occur.
  - ✓ Observe the regulations, instructions, or signs of a hazardous area where explosions may occur.
  - ✓ Turn off power of the device while refueling.
- Be careful when a headset is used.
  - ✓ Avoid long-term exposure to loud sounds to prevent damage to your hearing.
  - ✓ Loud sounds while walking or driving distract your attention and may cause traffic accidents.



### **Instructional Icons**

Before using this manual, please carefully read and understand the following icons:



Warning – Situations that may cause injury to yourself or others



Caution – Situations that may cause damage to your device or other equipment



Note – Notes, usage tips, or additional information



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#### 1 Getting Started

#### 1.1 Components

#### 1.1-1 Device and Accessories

The basic components of the M3 Mobile PC10 are as follows:







VESA Mount

Quick Manual

#### **1 \* NOTE**

- The components may vary depending on the product SKU.
- The Power Supply must be purchased separately.
- If the device is used for purposes other than its intended manufacturing use or modified, it may be exposed to electromagnetic waves.

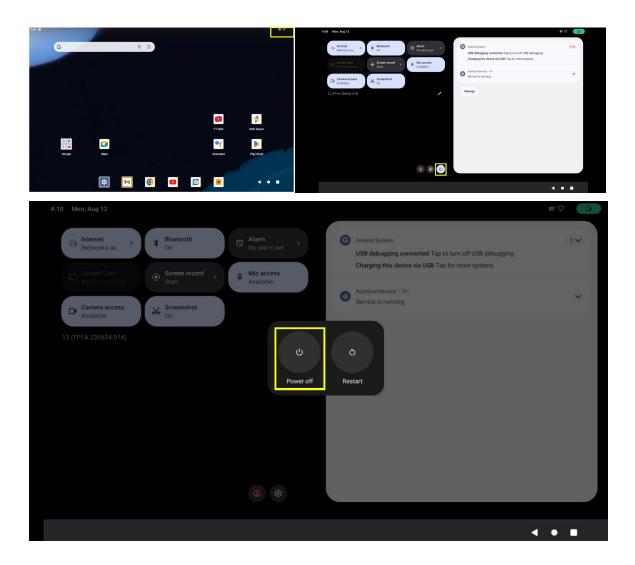
#### 1.2 Power On/Off

#### 1.2-1 Power On

When the Power Supply is connected to the device, it will turn on automatically.

#### 1.2-2 Power Off

- 1) Swipe down from the top-right corner of the screen.
- 2) Tap the power button at the bottom of the screen, then select Power off to shut down the device.



#### 1.3 Memory Card

#### 1.3-1 Inserting an External Memory Card

A Micro-SD card can be used as external storage for the M3 PC10. Insert the memory card into the Micro-SD card slot located on the back of the device.

To insert the Micro-SD card, push it in until it clicks into place. To remove it, gently pull it out with your fingers.



The M3 PC10, running on Android™ 13, supports external memory up to **512 GB**.



#### 1.3-2 Checking Data

To check the information stored on the Micro-SD card, follow these steps:

- 1. Swipe up from the bottom of the screen.
- 2. Tap Settings  $\bigcirc$   $\rightarrow$  Storage  $\blacksquare$  to view the stored data.

#### 1.4 Other Settings

#### 1.4-1 Date/Time Settings

You only need to manually set the time zone, date, and time if your wireless LAN does not support the network time protocol (NTP).

To set the date and time:

- 2) Tap Set Date and select today's date.
- 3) Tap Set Time, then choose the correct hour and drag the minute hand to set the time.

#### 1.4-2 Display Settings

The Display Settings allow you to adjust screen brightness, enable night mode, change the background image, and modify text size.

Adjusting Screen Brightness

- 1) Tap Settings 🔯 > Display 👔 > Brightness level
- 2) Use the slider at the top to adjust the screen brightness as needed.





#### **Dark Theme Settings**

- 1) Go to Settings 👩 > Display 🐧
- 2) Tap the On/Off button at the bottom right to enable or disable Dark Theme.
- 3) Alternatively, tap Dark Theme and select Use Dark Theme to activate it.
- 4) Tap Schedule to set a specific time for Dark Theme activation.

#### **Screen Timeout Settings**

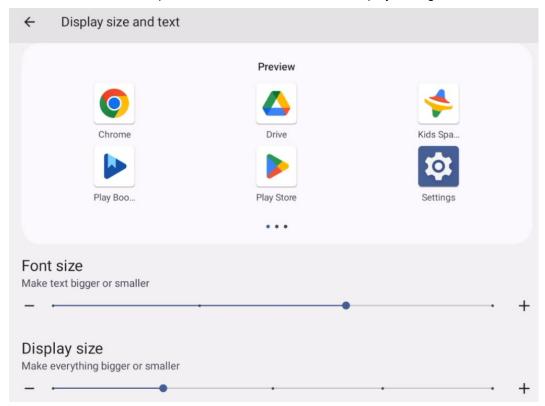
- 1) Go to Settings 🔯 > Display 🥸 > Screen timeout
- 2) Select one of the following options:
  - 15 seconds
  - 30 seconds
  - 1 minute (default)
  - 2 minutes
  - 5 minutes
  - 10 minutes
  - 30 minutes

#### **Display Font Size and Text Settings**

- 1) Go to Setting 🔯 > Display 🐧 > display size and text
- 2) djust the font and display size using the slider (- for smaller, + for larger).



3) Use the Preview at the top to check the selected font and display settings in real-time.

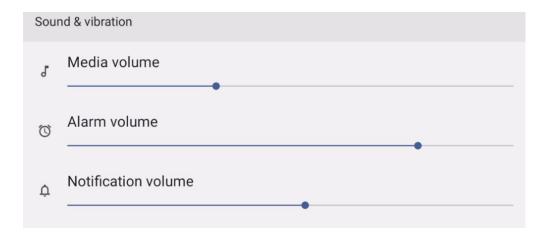


#### 1.4-3 Sound Settings

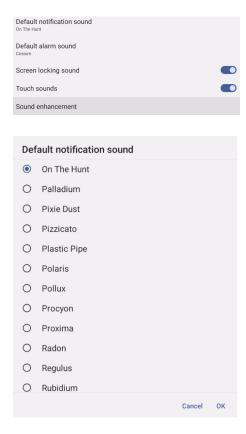
The Sound Settings allow you to configure the device's voice and alarm volume.

- 1) Go to Setting 🄯 > Sound & Vibration 🚯
- 2) Adjust the volume using the slider for the following options
- Media volume: Controls the volume for music, games, and media.
- Alarm volume: Controls the volume for alarms.
- 3) Notification volume: Controls the volume for system notifications, including power-on and barcode recognition sounds.





- 4) You can configure notification sounds and their types through the following menu options:
  - **Default notification**: Select the type of notification sound.
  - Default alarm sound: Choose the alarm sound type.
  - Screen Locking sound: Enable or disable the sound when locking the screen.
  - **Touch Sound**: Enable or disable the sound when touching the screen.

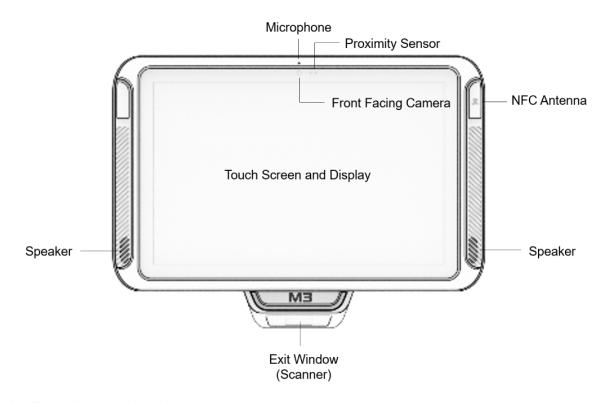




#### 2 Basic Use

#### 2.1 Features

#### Image 1 - Front Image



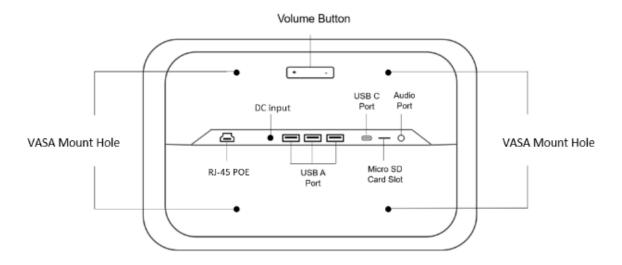
#### 2.1-1 Front Button Description

Button	Description
Microphone	Recognizes the user's voice to search for information or execute specific commands.
Proximity Sensor	When the user approaches the device, the sensor detects it and activates the PC10 for immediate use.
Front Facing Camera	Recognizes the user's face or objects and provides various interactive features.
NFC Antenna	When a product with an NFC tag is brought close to the NFC reader, the screen displays the product's price, inventory status, and detailed information.
Touch Screen and Display	The user can directly touch the screen to search for necessary information or select options, and view the search results in high resolution.



Speaker	Provides voice guidance with necessary information while the user operates the PC10.
Exit Window (Scanner)	Scans products, provides information, or displays the completion status and results on the screen to finalize user interaction

#### Image 2 - Rear Image



#### 2.1-2 Rear Button Description

Button	Description
Volume Button	Adjusts the device's audio volume.
VASA Mount Hole	Allows the PC10 to be mounted using the included VESA Mount (100x100) and screws for wall, stand, or other installations
RJ-45 POE	Provides internet connection and power supply.
DC input	Supplies power to the device for operation.
USB A Port	Enables connection to external devices and data transfer via USB-A.
USB C Port	Allows connection to external devices and data transfer via USB-C.
Micro SD Card Slot	Expands internal storage using a Micro-SD card.
Audio Port	Connects to external audio devices such as speakers or headphones for sound output.



#### 2.2-3 VESA Mount Installation Guide

#### Figure 3 – VESA Mount Installation Image

1) Place the wall-mounted VESA Mount in the desired position for wall installation.



2) Using the longest screws included, secure the VESA Mount by fastening them into the VESA Mount Holes on all four sides (left, right, top, and bottom).



3) Align the edge slots of the device-mounted VESA Mount with the wall-mounted VESA Mount, then slide it downward to secure it in place.





4) For additional stability, use the shortest screws included to fasten the two intersecting holes at the bottom of the mounted VESA Mount..





#### 2.2 Home Screen

When the device is turned on, the following home screen appears.

The screen is divided into six sections.



#### 2.2-1 Status Bar

The status bar displays the current status of the device.

lcon	Icon Name	Description
	Battery	Displays battery charge status or remaining battery level.
انا⊿	Signal Strength	Indicates cellular signal strength or no signal.
<b>,</b> "  "	Sound/Vibration	Shows whether the device is in sound or vibration mode.
lacksquare	Wi-Fi	Indicates Wi-Fi connection status (connected/disconnected).
*	Bluetooth	Shows if Bluetooth is enabled and connected.
•	GPS	Indicates location tracking status.



Ö	Alarm	Shows whether an alarm is set.
<b>†</b>	Airplane Mode	Indicates that airplane mode is enabled.
Ø	No SIM Card	Indicates that no SIM card is inserted.

#### 2.2-2 Notification Bar

The **notification bar** displays **various alerts and notifications** related to the device's status and activities.

Icon	Icon Name	Description
···	More Notifications	Additional notifications are available.
$\Diamond$	Syncing	Data is currently syncing.
	Calendar	Displays a scheduled event or reminder.
?	Wi-Fi	An open Wi-Fi network is available.
•	Music	Music is currently playing.
<b>(!</b> 5	Sync Error	An error occurred during data synchronization.
<b></b>	Uploading	Data is being uploaded.
<u>•</u>	Downloading	Data is being downloaded.
<b>O</b> !	SD Card Full	The SD card storage is full.
ф	USB Connected	The device is connected via USB.
	Debugging	USB debugging is enabled.
<b>(</b>	Wi-Fi Hotspot	Wi-Fi hotspot is enabled.
Ψ	USB Tethering	USB tethering is enabled.
*	Bluetooth Tethering	Bluetooth tethering is enabled.





**VPN** Connected

The device is connected to a Virtual Private Network (VPN).

#### 2.2-3 Quick Search Bar

When the device is connected to a network, internet searches can be performed.

It supports image and voice recognition for searching, as well as searching for apps installed on the device.

#### 2.2-4 Home Screen

The home screen contains shortcut icons for key applications. Users can add or remove icons as needed.

lcon	Icon Name	Description
G	Google	Search for what you need, explore your interests, and get summaries and updates on important topics.
M	Gmail	Receive instant push notifications, read and reply to emails online or offline, and quickly find messages.
0	Google Chrome	Browse the internet quickly with the Chrome browser. Sync tabs across devices, search with voice commands, and save up to 60% of data while browsing.
<b>?</b>	Google Maps	Navigate the world with Google Maps. Find places of interest, connect with businesses, and access real-time traffic updates.
	YouTube	Watch trending videos on music, gaming, entertainment, news, and more. Subscribe to channels, share videos with friends, edit, upload, and watch on any device.
	Google Drive	A smart online storage and backup solution that allows you to access all your files from the device.
(E)	YouTube Music	Easily discover albums, singles, live performances, covers, and remixes.
	Google TV	Access a variety of streaming services and content in one place.
	Google Meet	A cloud-based communication service for video conferencing and remote meetings.





Google Photos

Store photos and videos in the cloud with automatic backup and organization.



Find Device

Helps track and locate lost Android devices.

#### **2.2-5 Dock Bar**

The dock bar allows users to quickly access frequently used applications by placing shortcut icons at the bottom of the screen.

- The dock bar can hold up to five icons.
- Users can add or remove icons as needed.

#### 2.2-6 Basic Button

Button	Description
Basic Button – ◀	Moves to the previous screen.
Basic Button – ●	Minimizes the current window and displays the home screen.
Basic Button – ■	Shows an overview of all running applications.

#### 2.3 Data Input

#### 2.3-1 Virtual Keyboard

The virtual keyboard automatically appears when a data input screen is displayed.

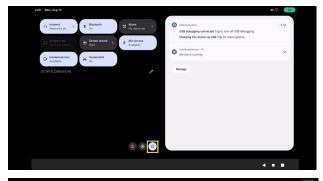




#### 2.4 Device Reset

#### 2.4-1 Soft Reset

- 1) Swipe down from the top-right corner of the screen.
- 2) Tap the power button at the bottom of the screen, then select Restart to reboot the device.

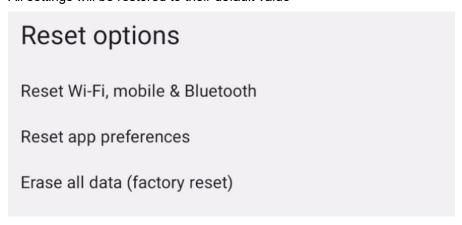




#### 2.4-2 Factory Reset

If a serious issue occurs or a soft reset does not resolve the problem, perform a factory reset by following these steps:.

- 1) Swipe up from the bottom of the screen.
- 2) Go to Settings System Reset options.
- 3) Depending on the selected option, internal storage or Micro-SD card data may be deleted. Check the options carefully before proceeding.
- 4) All settings will be restored to their default value





#### **Factory Reset Protection (FRP) Feature**

#### • What is Device Protection, or Factory Reset Protection (FRP)?

Android devices provide built-in security features you can use to protect your device and information, including screen locks and data encryption. Data protection, or Factory Reset Protection (FRP), is a security feature on Android devices with Lollipop 5.1 or higher.

FRP is automatically activated when you set up Google Account on your device. Once FRP is activated, it prevents use of a device after factory data reset, until you log-in using Google username and password previously set up on the device.

#### • How does FRP work?

When you perform a Factory Data Reset, all settings are returned to the factory default settings. All data is erased including files and downloaded apps.

If you have a Google Account set up on the device, FRP is active. This means that after reset, you'll be required to log-in to the Google Account using the username and password. If you have multiple Google Accounts set up on the device, you can log-in using any of the accounts.

If an unauthorized person tries to reset the device by another method, the device would still require log-in using the Google username and password. This means that if your device is lost or stolen, another person would not be able to reset it and use it.

#### • What do I need to know about FRP?

If you want to reset your device to factory defaults, make sure you know your Google Account and password, because you'll need to log-in at the end of the reset.

If you want to reset your device to factory defaults, but don't remember your Google username and/or password, you can do one of these: Check your device's Account settings for your account name and reset your password via the device or at.

It can take 24 hours for the password reset to sync with all devices registered to the account. Remove the account before you reset device.

If you already reset your device, but don't remember your Google username and/or password, the device can't be used. In that case, you can do one of these:

If you know your Google username but can't remember the password, you can reset your password on the device, or at www.google.com. It can take up to 24 hours for a new password to sync with all registered devices. After 24 hours, you can try to log-in your phone with the new password.



If you have multiple Google Accounts, and you can't remember which Google Account you set up on your device, visit <a href="https://www.google.com/android/devicemanager">https://www.google.com/android/devicemanager</a>.

Log in with your Google username and password and check the list of devices registered to the account. If you don't see the device listed on the account, it means the device is registered to a different account. Use the same process to check for devices linked to your other Google Accounts. When you find the registered account, use it to log-in your device.

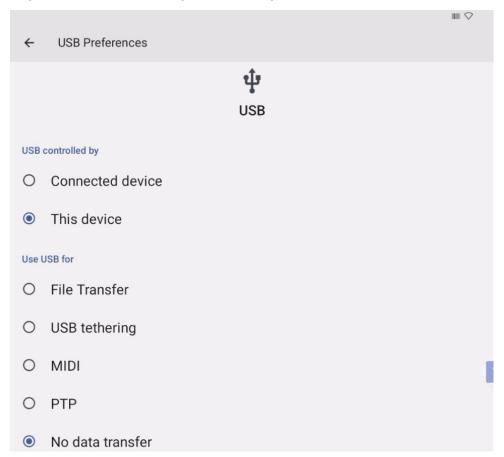
If you can't remember any of your Google Account information, you can send your device, along with proof of purchase, to an authorized M3Mobile supplier. M3 has special tools to reset the phone to factory defaults with no protection enabled.

#### 2.5 Connecting with a PC

#### 2.5-1 How to Connect

To connect the device to a PC, perform the following procedure:

1. Connect the device to a PC via cradle or USB. You can see screen as below.



- Charge this device This mode is only for charging a device. Data cannot be sent.
- File Transfer Send files to another device.
- PTP Send photos or files.



- MIDI Use as Musical Instruments App.
- 2. PC recognizes the device and automatically installs driver.
- 3. Once the driver is completely installed, file is transferred through Explorer.

If the device does not connect with a PC, check the following:

- Check if the USB cable is properly connected between the device and PC.
- Check if LCD screen of the device is turned on.

Check above and connect them again.

#### 3 Using the Application Screen

#### 3.1 Wi-Fi

#### 3.1-1 Wi-Fi Function Settings

- 1) Swipe up from the bottom of the screen.
- 2) Go to Setting or > Network & internet or linear linear
- 3) Select the desired Wi-Fi access point (AP) from the list and enter the password (PW) to connect to the internet.

#### 3.2 Scanner

The M3 PC10 is equipped with a 2D scanner.

For detailed information on optional features, please contact your local distributor or visit our official website. (Hompage: <a href="http://www.m3mobile.net">http://www.m3mobile.net</a>).

#### 3.2-1 How to Use the Scanner

M3 Mobile provides the necessary ( ) program for using the scanner.M3 Mobile. This is a keyboard wedge program that transmits barcode data. The ScanEmul ( pplication can be used regardless of the type of 2D scanner.

This is a keyboard wedge program that transmits barcode data.

The ScanEmul( ) application can be used regardless of the type of 2D scanner.

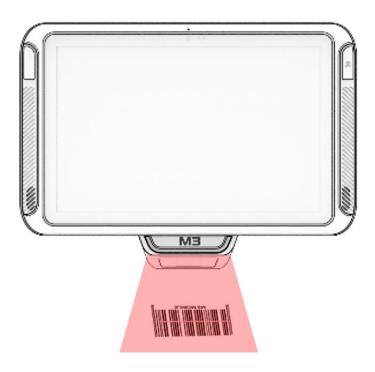


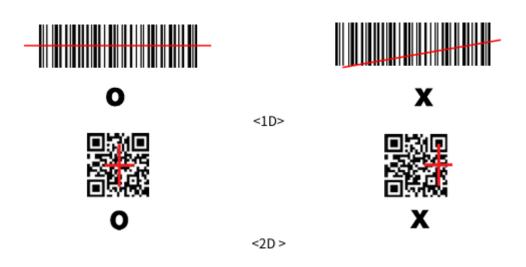
For 2D scanners, the camera cannot be used simultaneously.



#### 3.2-2 Using the Scanner

Place the barcode to be scanned near the bottom scanner of the PC10. The device will automatically scan the barcode.









- Do not look directly at the scanner.
   (CLASS 2 LASER PRODUCT 1.0 mW, MAX OUTPUT: 650 nm)
- Using the scanner for purposes other than those described in this manual may expose you to harmful electromagnetic radiation.

#### 3.3 Bluetooth

#### 3.3-1 Bluetooth Function Settings

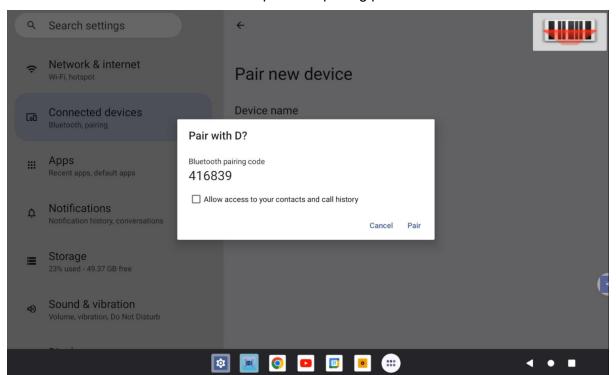
You can register frequently used Bluetooth devices or make the M3 Mobile PC10 discoverable to other devices.

#### **Enabling Bluetooth**

- 1. Swipe up from the bottom of the screen.
- 2. Go to Settings  $\longrightarrow$  Connected devices  $\longrightarrow$  Connection preferences  $\rightarrow$  Bluetooth.
- Toggle Use Bluetooth to enable or disable Bluetooth.

#### Connecting to a Bluetooth Device

After enabling Bluetooth, tap "Pair new device" to display a list of available devices. Select the desired device from the list. When the "Bluetooth Pairing Request" screen appears, enter the Bluetooth device's PIN code to complete the pairing process.





#### **Bluetooth Usage Distance Guidelines**

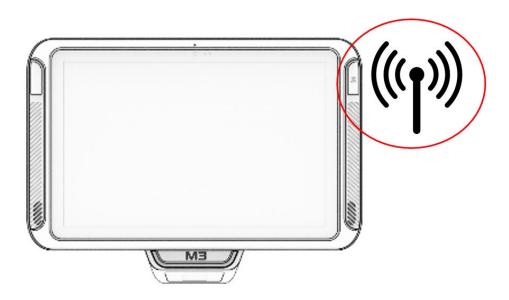
This device has been tested for normal usage at a distance of 0.5 cm between the device and the user. To comply with the electromagnetic radiation protection standards set by the Ministry of Science and ICT, the device—including its antenna—should be kept at least 0.5 cm away from the user's body, regardless of whether the antenna is in use. It is recommended not to use third-party belt clips, cases, or similar accessories. If using accessories, ensure that there is at least a 0.5 cm gap between the back of the device and the accessory.

#### 3.4 NFC

#### 3.4-1 Enabling NFC Function

The NFC antenna is located on the side of the PC10 monitor.

To use NFC, position the device sideways and bring it close to the NFC tag.



- 1) Swipe up from the bottom of the screen.
- 2) Go to Setting 😿 > Connected devices 🥫 > Connection preferences > NFC
- 3) Toggle Use NFC to enable or disable the NFC function.



#### 3.4-2 Connecting via NFC

#### Connecting to an NFC Device

- Open the web page, video, photo, or contact you want to share.
- Place the back of the NFC device near the M3 SL20.
- Tap the screen to start data transfer.

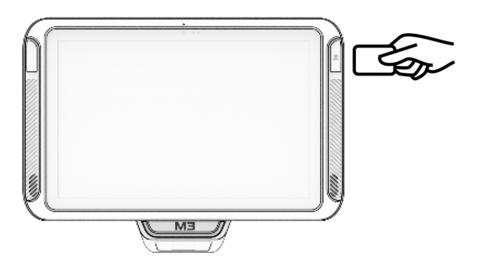
#### **Important Notes on Data Sharing**



- When sharing data, keep the devices within 5 cm of each other.
   Important Notes on Data Transmission
- While close proximity is not required for data transmission, it is recommended to maintain a distance of 10 meters or less between the devices.

#### Connect to an NFC chip/tag card

- 1. Do not cover the antenna area on the side of the PC10 screen, as shown in the illustration.
- 2. Hold the NFC chip or tag card close to the side of the PC10 screen until the data transfer is complete.



#### Connecting to a Bluetooth Device with NFC Functionality

Do not cover the antenna area on the side of the PC10 screen with your hand, as shown in the image above.



Hold the Bluetooth device with NFC functionality close to the side of the PC10 screen. Once the connection is successfully established, a confirmation screen will appear.

#### 4 Advanced Usage

#### 4.1 Operating System (OS) Update

- 1 M3 Mobile releases new operating system (OS) updates to improve product quality and performance.
- 2 Checking the Device OS Version
- 1) Swipe up from the bottom of the screen.
- 2) Go to Settings > About Phone> ndroid Version to check the current OS version.
- 3 Updating the M3 PC10 Operating System

The OS can be updated using one of the following methods:

- Using a Micro-SD card
- Connecting the device via a Cradle

For detailed instructions on updating the OS, refer to the M3 Mobile Developer Portal (M3 TechDocs).

#### 4.2 Other Information

#### 4.3 PC10 Series Specifications

Physical Characteristics		
Dimensions	281 mm L x 206 mm W x 38.5 mm D	
Weight	703.9 g (including standard battery)	
Display	10" FHD IPS, 1920 x 1080 pixels, Typ 280cd/m	
Touch panel	Capacitive multi-touch, Glove	
Backlight	LED backlight display	
Network	USB 2.0 Type-A (host/client) * 3	
Connections	USB 2.0 Type-C (client) * 1 Ethernet(1,000M) * 1 / POE RJ45	
Notification	Audible tone	
Connections	USB 2.0 High Speed OTG (host/client); Type C connector, WLAN,	



	Bluetooth
Keypad	2 function keys
Voice and	
Audio	Speaker * 2 (Each 1.5W), microphone with noise cancellation
VESA	100 X 100mm
	Performance Characteristics
CPU	MTK8788 4xA73 2.0GHz + 4xA53 2.0GHz
Operating	Andreid 42 to 45 to 10 to 10 to 10 to 10 to
System	Android 13 to 15 *Subject to technical feasibility
Memory	LPDDR4X 4GB/64GB
Power	Adaptor - 24V / 1.5A
1 OWC1	Ethernet(1000M) * 1 / 802.3at POE RJ45(20W)
	Data Capture
Scanning	SE4710
Camera	Front 8MP
NFC	HF (13.56MHz)
	User Environment
Operating Temp	0 °C to 50 °C (32 °C to 122 °C)
Storage Temp	-20 °C to 60 °C (-4 °C to 140 °C)
Humidity	10% to 95% RH (Non-condensing)
Sealing	IP54
Vibration	4g's peak, 5hz to 2khz
Thermal Shock	-40 °C to 70 °C
	Wireless LAN
Radio	IEEE 802.11 a/b/g/n/ac
Security and	WEP (40 or 104 bit); WPA/WPA2 Personal (TKIP, and AES); WPA/WPA2 Enterprise (TKIP and AES)
Encryption	EAPTTLS (PAP, MSCHAP, MSCHAPv2), EAP-TLS, PE APv0- MSCHAPv2, PE APv1-EAP-GTC, EAP
	Fast and LEAP
	Wireless PAN
Bluetooth	Bluetooth v5.0 with BLE
	Certification
	CE EAC
	Warranty
Subject to the ter	ms of M3 Mobile's hardware warranty statement, the PC10 is warranted against defects in workmanship
and ma	terials for a period of 1 (one) year from the date of shipment. For complete warranty statement.
	Recommended Services
M3 Mobile sp	eed care Essential and Select: Maximize M3 Mobile device availability, device value and operational
	efficiency with these fully-featured support services that set the industry bar for support
	M3 Speedpack



"M3 Speedpack solutions help you get more value out of our mobile computers by adding functionality as well as simplifying deployment and management of our mobile devices. For more information on these M3 Mobile-only feature."

#### Application user manual

http://www.m3mobile.net/download/file/743

#### Startup PC User Manual

http://www.m3mobile.net/download/file/748

#### Startup PC for SOTI

http://www.m3mobile.net/download/file/746

M3 Speedpack is available on Android only. Features may vary by model and a Support Contract may be required.

#### 4.4 Service

If you have any questions or complaints with using our product, please contact M3 Service Center or visit our Web site (<a href="http://itc.m3mobile.net">http://itc.m3mobile.net</a>). We do our best to immediately respond to your inquiry. The M3 FAQ document may help resolve general problems.

For any questions on work programs, please contact the program supplier for faster service.

#### 4.4.1 Contacts

#### Head Office

Unit 1107~1109, Acetechnotower 10th round, 196, Gasan digital 1-ro, Geumcheon-gu, Seoul, Korea, 08502

Tel: +82 2 574 0037, Fax: +82 2 558 1253

www.m3mobile.net, sales@m3mobile.co.kr, sales eu@m3mobile.co.kr

#### Service Center

Chun-ui Techno Park 201-610, 202, Chunui-dong, Wonmi-gu, Bucheon, Gyeonggi-do, 420-857, Korea

Tel: +82 32 623 0037, Fax: +82 70 4015 6323, cs@m3mobile.co.kr

#### • ITC (M3 Mobile Information & Technology Center)

http://itc.m3mobile.net, it@m3mobile.co.kr

#### M3 Mobile GmbH

M3 Mobile GmbH, Schulstr. 49, 65795 Hattersheim, Germany

Tel: +49 6190/8021828, sales@m3mobile.co.kr

