

# **M3 SL20**

# **User Manual**

Version 1.4 © 2025

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#### **Terms of Use**

Thank you for purchasing M3 SL20. This device provides high performance data collection and mobile communications that meet industrial standards.

This user manual enables users to know the characteristics of M3 SL20 series and how to use it.

- Please carefully read this manual before using the device to ensure safe and proper use, as well as to prevent accidents that may occur when the device is used.
- This manual is created based on current status. The details on this manual may be changed without prior notice.
- The descriptions of this manual are based on the device's default settings.
- Images and screenshots are described with the latest software version.
- This manual is created under the assumption that the device has all options. For detailed information on available options, contact the local distributor or refer to our Web site (http://www.m3mobile.net).
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   The request is for the improvement of user environment or device performance.
- Higher OS version may be released after you purchase the device with the existing OS. If you want to receive information on the latest OS, please contact your local distributor.
- This device can be operated in at least one Member State without infringing applicable requirements on the use of radio spectrum.
- This manual may include technical or editing 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



# **Table of Contents**

## **Contents**

Со	ntents			6
1	Gett	ing Sta	arted	9
	1.1	Packa	age Contents	9
			Device and Accessories	
	1.2	Batter	ry	10
			How to use	
		1.2.2	Charging the Battery	11
	1.3	Turnir	ng the Device On/Off	13
		1.3.1	Turning the Device On	13
		1.3.2	Turning the Device Off	13
		1.3.3	Standby Mode	14
	1.4	Memo	ory Card	15
		1.4.1	Inserting an External Memory Card	15
		1.4.2	Checking Data	16
	1.5	SIM C	Card	16
		1.5.1	Inserting SIM Card	16
2	Basi	c Use		18
	2.1	1 Features		18
	2.2	Key		19
		2.2.1	Button	
	2.3	Home	e Screen	19
		2.3.1	Status Bar	20



		2.3.2	Notification Bar	20
		2.3.3	Home Screen	21
		2.3.4	Dock Bar	22
	2.4	Data I	Input	23
		2.4.1	Virtual Keyboard	23
	2.5	device	e Reset	23
		2.5.1	Soft Reset (1)	23
		2.5.2	Soft Reset (2)	23
		2.5.3	Factory Reset	24
	2.6	Conne	ecting with a PC	26
		2.6.1	How to Connect	26
3	Usin	ig the A	Application Screen	27
	3.1	Phone	e Features	27
		3.1.1 E	Basic	27
	3.2	Wi-Fi.		28
		2.8.1	Setting the Wi-Fi Feature	28
	3.3	Scanr	ner	30
		2.9.1	How to Use Scanner	30
		2.9.2	Using the Scanner	30
	3.4	Blueto	ooth	31
		2.10.1	Setting the Bluetooth Feature	31
		2.10.2	Connecting Using Bluetooth	32
	3.5	NFC		33
		2.11.1	Setting the NFC Feature	33
		2.11.2	2 Connecting the NFC Feature	34



4 Advanced Use			35
	4.1	OS Update	35
	4.2	Key Setting Conversion	36
	4.3	Battery Hot swap	38
5	Othe	ers	39
	5.1	SL20 Device Specifications	39
	5.2	Service	41
		5.2.1 Contacts	41

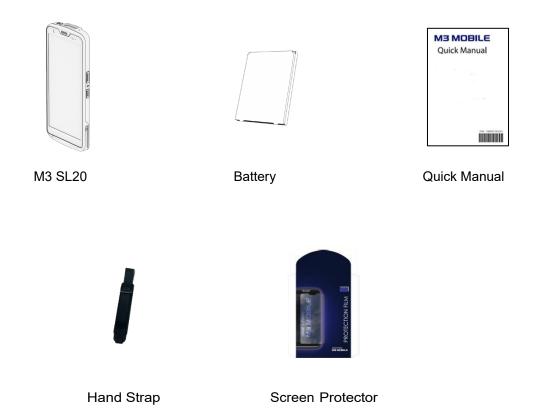


# 1 Getting Started

#### 1.1 Package Contents

#### 1.1.1 Device and Accessories

The **M3 SL20** package includes the following items: SL20, Battery, Hand Strap, Bullet Proof Film, Quick Manual



If one or more items above are damaged or are not included in the package, contact the store where you purchased the device.

#### **\*** NOTE

The cradle and all accessories are sold separately. Please refer to the SL20 Accessory guide. Cradle can be provided depending on your purchasing options for "charging and data synchronization" and "charging, data synchronization, and ethernet connection".

If the device is used for purposes other than the original device use or if it is remodeled, you may be exposed to electromagnetic waves.



#### 1.2 Battery

#### 1.2.1 How to use

#### **Inserting the Battery**

Insert the battery from the bottom in the right direction.





M3 SL20 uses 3.8 V === 3,000mAh, 5,000mAh Li-ion Battery.



- If an unapproved battery is used, it may explode.
- When a battery is discarded, follow proper disposal procedure.
- Check if the battery is inserted in right direction.

#### Removing the Battery

Press and hold the battery lock button on both sides and remove the battery.





If the battery is not properly removed, the battery terminal may become bent or damaged.

Before the battery is removed, close any running program. If it is not closed, an error may occur in the program.



#### 1.2.2 Charging the Battery

"When the low battery warning message appears, please charge the battery.

If you continue to use the device without charging the battery, the device may turn off.

You can charge the device directly with a C-type USB cable or use a cradle to charge it."

#### **Charging the Battery with Cradle**

- Please connect the device to a cradle that you can additionally purchase to charge the battery.
- As pictures below, Charging begins when you set a device into the cradle.





AC adaptor is made to be used in 100–240V input, 5V === 3A output. If a voltage beyond the range is supplied, the device may be seriously damaged.

LED Color	Description
Red	Battery is being charged.
Green	Battery is fully charged.

It takes about 4 hours to fully charge a battery that is fully discharged.



If the battery is used at the temperature other than -20°C to 55°C, the device may malfunction or break down.



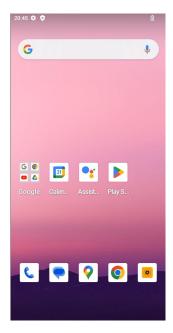
- It is recommended to replace a battery every two year.
- If a battery is charged and used continuously, its lifespan will decrease.

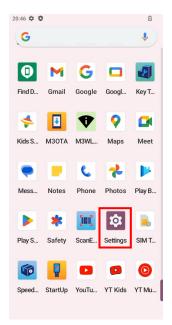


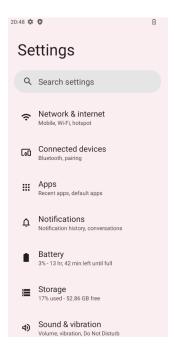


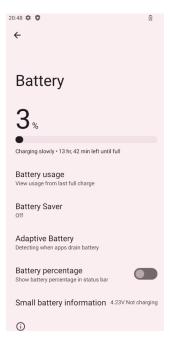
For information on the device battery, **Swipe the bottom → Click** 

#### Settings → Battery











#### 1.3 Turning the Device On/Off

#### 1.3.1 Turning the Device On

Press and hold Power button until the device vibrates. This will turn the device on and initial screen will display.



If the battery is completely discharged, problems may occur when the device is turned on. If a problem occurs, charge the battery before turning on the device again.



#### 1.3.2 Turning the Device Off

Press and hold the Power button for about one second to display the following pop-up screen. Select the Power off menu to turn off the power.



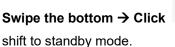




If the device stops its operation for a long time, press and hold the Power button for about eight seconds to forcibly reboot the device.

#### 1.3.3 Standby Mode

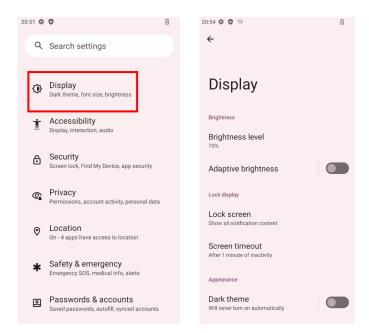
If the device is not used for a long time, M3 SL20 automatically shifts to standby mode to decrease battery consumption. To manually set the device in standby mode, lightly press the Power button. By default, if the device is not used for 30 seconds or longer, it shifts to standby mode. The time when the device shifts to standby mode can be set by the user.





Settings → Display → Sleep to change time that the device will





#### 1.4 Memory Card

#### 1.4.1 Inserting an External Memory Card

The Micro-SD card is used as an external memory of M3 SL20. After removing the battery, insert SD memory card into the Micro-SD card slot.





To insert Micro-SD card,

- 1. Remove battery cover on the rear of the device and pull out the battery.
- 2. Slide the Micro-SD card holder up to open it.



- 3. Place the SD card in the correct direction.
- 4. Slide the Micro-SD card holder down to lock it.



Android™ 13, the OS used in M3 SL20, can support up to 1 TB for external memory.

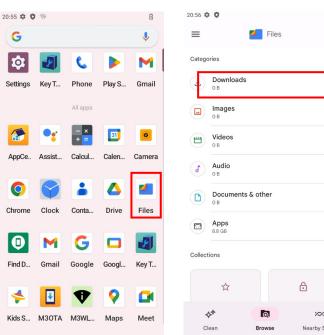
0

Q

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#### 1.4.2 Checking Data

Information stored in the Micro-SD card can be checked by swiping bottom  $\rightarrow$  Click Menu  $\rightarrow$  SD card



#### 1.5 SIM Card

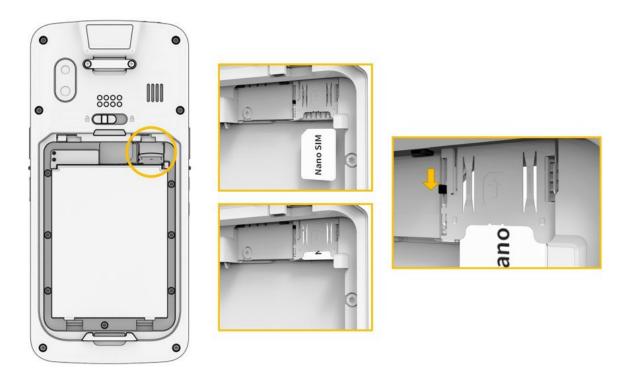
#### 1.5.1 Inserting SIM Card

The Micro-SD card is used as an external memory of M3 SL20. After removing the battery, insert SD memory card into the Micro-SD card slot.

The SIM card supports voice calls and data transmission via mobile communication. The SIM card must be a validated card from the respective regional network provider.

To insert the SIM card, remove the battery cover on the back of the device and take out the battery. To remove the SIM card, you can easily take it out by lowering the lever on the left side.





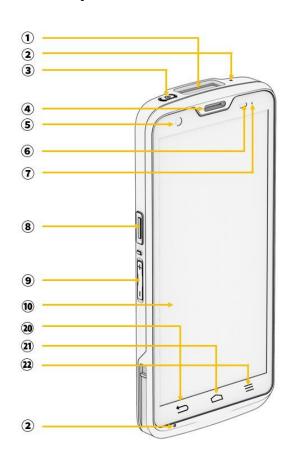
For instructions on how to use the phone, refer to the <u>phone's features</u>.

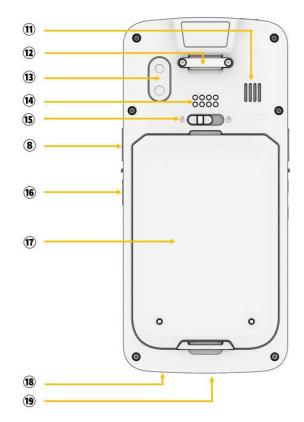


#### 2 Basic Use

#### 2.1 Features

#### **Device Layout**





- ① Scanner window
- 2 Microphone
- 3 Power button
- 4 Receiver
- (5) Front camera
- 6 Sensor
- ⑦ Charging LED

- Scanner button
- 9 Volume button
- 10 Display
- ① Speaker
- Hand strap loop
- ® Rear camera
- 14 I/O 8-pin

- Battery cover lock
- (16) Camera button
- (17) Battery cover
- 18 C-type USB port
- 19 I/O 5-pin
- 20 Back button
- ② Home button
- Menu button



#### 2.2 **Key**

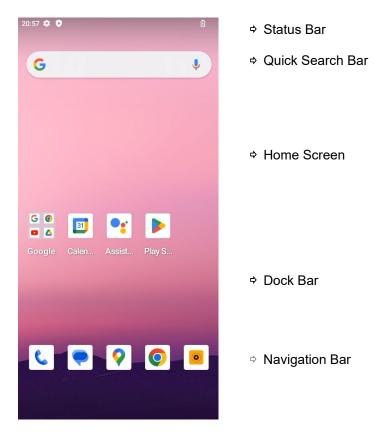
#### **2.2.1 Button**

Button	Description
Scanner	The scanner operates while the scanner program is running
Function	Activates the set function.
Power	Turns the display On/Off or powers the device On/Off.
Volume up	Increases the device's volume.
Volume down	Decreases the device's volume.
Menu	Displays the menu.
Back	Returns to the previous step.
Camera	Runs the camera program to take photos and videos.

#### 2.3 Home Screen

If the device is turned on, the following screen will be displayed. The screen is divided into six sections as follows:

Notification Bar &





#### 2.3.1 Status Bar

The Status Bar displays status of the device.

Icon	Icon Name	Description
	Battery	Battery charging status or battery residual capacity
انا⊿	Phone	Call strength or no signal
<b>₽</b> •□•	Sound / Vibration	Sound or Vibration status of the device
$\bigcirc$	Wi-Fi	Wi-Fi connection/disconnection
*	Bluetooth	Bluetooth connection/disconnection
•	GPS	Status of searching the location data
Ó	Alarm	Alarm activation status
<b>†</b>	Airplane Mode	Activation status of Airplane mode
fn 🛅	FN key	Function key

#### 2.3.2 Notification Bar

The Notification Bar displays device notifications.

Icon	Icon Name	Description
<u></u>	More	There are more notifications.
\$	Data Sync	Data is being synchronized.
	Schedule	Displays the schedule.
?	Wi-Fi	Open Wi-Fi network can be used.
0	Music	Music is being played.
<b>C</b> !5	Data Sync	An error occurs when data is being synchronized.



<b></b>	Data Upload	Data is being uploaded.
<u>•</u>	Data Download	Data is being downloaded.
O:	SD Card Full	Capacity of SD card is full.
ψ	USB	Device is connected through USB.
	Debugging	USB debugging can be used.
	Received Message	There is a message received.
~	Missed Call	There is a missed call.
<u>(</u>	Wi-Fi hotspot	Wi-Fi hotspot is activated.
Ψ	USB tethering	USB tethering is activated.
*	Bluetooth tethering	Bluetooth tethering is activated.
0	Virtual Private Network	Device is connected to Virtual Private Network (VPN).

#### 2.3.3 Home Screen

The home screen has shortcut icons for key programs. Icons can be added or removed.

lcon	Icon Name	Description
G	Google	Find what you need, explore your interests, and get summaries and the latest information on important topics.
M	Gmail	Receive instant messages through push notifications, read and respond both online and offline, and quickly find messages in large quantities.
<b>©</b>	Google Chrome	Quickly navigate your device using the Chrome browser. With tab synchronization, you can pick up where you left off on other devices, search by voice, and save up to 60% of data usage during searches.
<b>Q</b>	Google Maps	Explore the world with Google Maps. Find places you'll love, connect with businesses you're interested in, and access real-time traffic information.



	YouTube	You can see what the world is watching in music, games, entertainment, news, and more. Subscribe to channels, share videos with friends, edit and upload videos, and watch on all devices.
	Google Drive	Google Drive is a smart online storage and backup that allows you to access all your files from your devices.
(E)	YouTube Music	You can easily find your desired albums, singles, live performances, covers, and remixes.
	Google TV	You can enjoy various streaming services and content in one place.
	Google Meet	Google Meet is 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.
0	Find Device	Helps track and locate a lost Android device.

#### 2.3.4 Dock Bar

Shortcut icons can be placed on the lower section to rapidly execute frequently used programs. On the Dock Bar, up to five shortcut icons may be added or deleted.

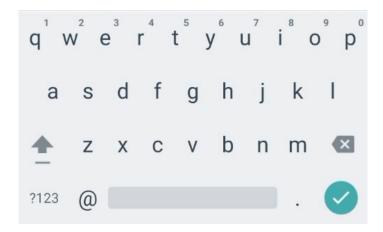
Icon	Icon Name	Description
· ·	Phone	Receive and make calls
31	Calendar	Manage or schedule appointments
	Contacts	Manage contacts
	Messages	Receive and send messages
	Camera	Take photos or record videos



#### 2.4 Data Input

#### 2.4.1 Virtual Keyboard

If focus is placed on the input screen, the virtual keyboard will be automatically displayed.



#### 2.5 device Reset

#### 2.5.1 Soft Reset (1)

Press and hold Power button to display power management menu. Select "Restart" menu.



#### 2.5.2 Soft Reset (2)

Long Press Power button more than 30sec.

The program being executed will end, and the data or file being used will also be deleted. However, the stored data or file will not be affected by Soft Reset.



#### 2.5.3 Factory Reset

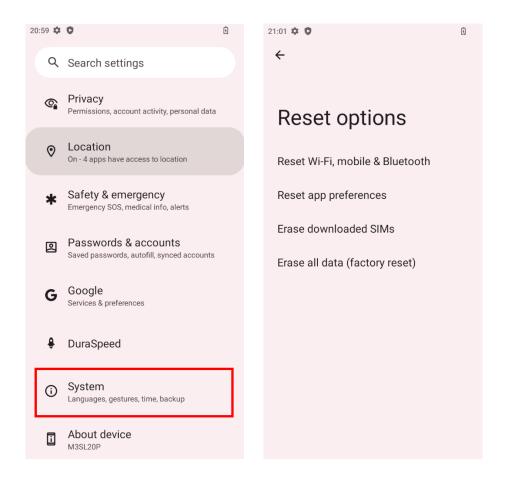
If serious problem occurs in the device or problem is not solved through Soft Reset, Perform factory reset.

For factory reset, Perform the following procedure:

Swipe the bottom → Click (factory reset)



Settings → System → Reset options → Erase all data



- Check if Erase internal SD card is checked. → Reset device. → Erase everything
- According to options, documents in internal SD card or Micro-SD card may be deleted. As such, please check the options. All settings will be reset.

#### **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.



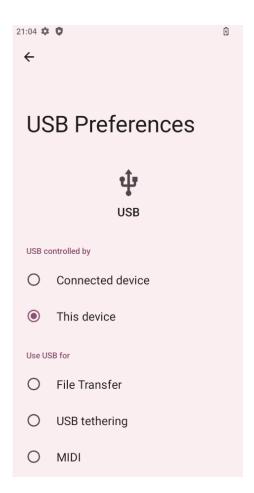
If you can't remember any of your Google Account information, you can send your device, along with proof of purchase, to an authorized M3Mobile supplier. M3 has special tools to reset the phone to factory defaults with no protection enabled.

#### 2.6 Connecting with a PC

#### 2.6.1 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 Phone Features

The M3 SL20 supports 2G (GSM), 3G (UMTS, HSPA+), and 4G (LTE) networks.

#### 3.1.1 Basic

Press the icon to access the phone menu.



- ( 🕓 )아이콘을 눌러 통화 이력을 확인할 수 있습니다.
- (🍑)아이콘을 눌러 연락처를 볼 수 있습니다.
- 새 연락처 만들기를 눌러 연락처를 추가할 수 있습니다.





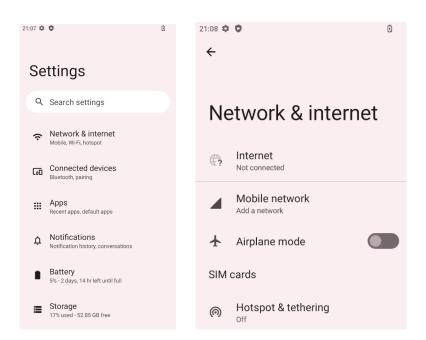
Make sure the phone feature is turned on before making calls or transmitting data over the network.

#### 3.2 Wi-Fi

#### 2.8.1 Setting the Wi-Fi Feature

#### Activating the Wi-Fi feature

Swipe the bottom → Click Settings and set the WLAN menu to ON/OFF to activate or deactivate the Wi-Fi feature.

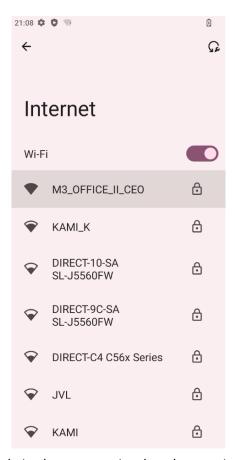


Connecting to a Wi-Fi network

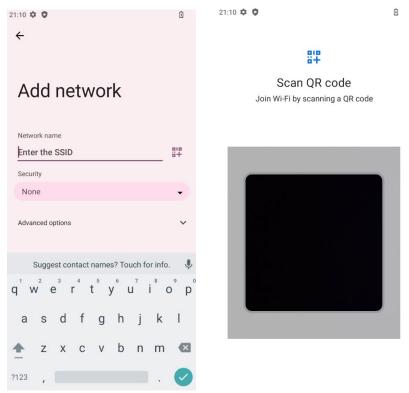
To connect to an AP, perform the following procedure:

- 1. Select "Wi-Fi" menu of the Settings icon.
- 2. In the list, select an AP name to access. If necessary, enter password to complete the access.





3. You can also create a QR code to share your network and connect other devices through the shared QR code without entering your Wi-Fi password.





#### 3.3 Scanner

M3 SL20 provides 1D/2D or Long-range scanner as an option. For detailed information on available options, please contact the local distributor or refer to our Web site.

(Homepage: <a href="http://www.m3mobile.net">http://www.m3mobile.net</a>).

#### 2.9.1 How to Use Scanner

M3 Mobile provides the program( ) needed to use a scanner by default. It is the keyboard wedge program that sends barcode data.

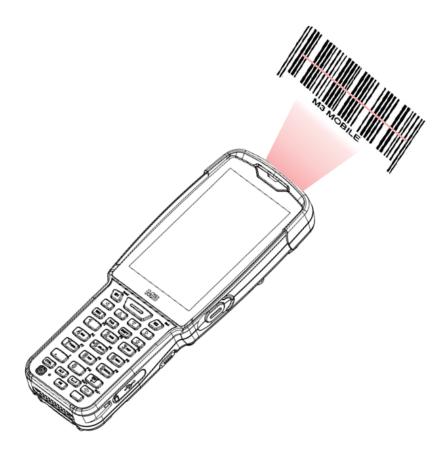
The ScanEmul( ) program can be used regardless of 1D/2D scanner.



In case of 2D scanner, it cannot be simultaneously used with a camera.

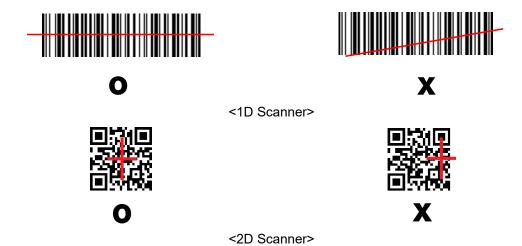
#### 2.9.2 Using the Scanner

Place the device toward a targeted barcode and press Scan button.



The laser beam of the scanner should completely cover barcode as shown in the following.







- Do not look at the laser beam directly.
   (CLASS 2 LASER PRODUCT 1.0 mW, MAX OUTPUT: 650 nm)
- If the device is used for purposes other than that described in this manual, a user may be exposed to harmful electromagnetic waves.

#### 3.4 Bluetooth

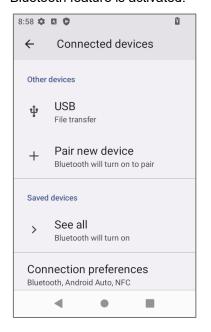
#### 2.10.1 Setting the Bluetooth Feature

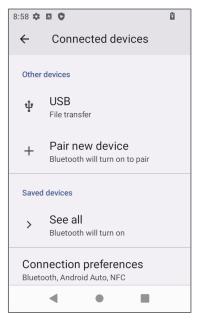
A Bluetooth device frequently used can be registered, or M3 SL20 can be searched in another device.

#### **Activating the Bluetooth feature**

Swipe the bottom → Click Settings → Connected devices → Connection preferences → Bluetooth → + Pair new device (List of devices available to connect to is displayed)

If Bluetooth signal is turned on, Bluetooth icon (\*) is displayed in the Status bar indicating that the Bluetooth feature is activated.





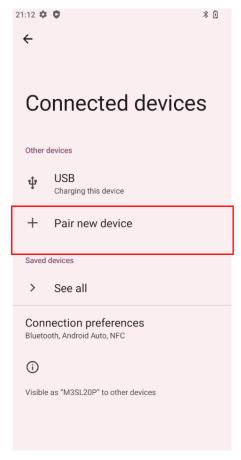




#### 2.10.2 Connecting Using Bluetooth

List of devices available to connect to is displayed

If the "Bluetooth pairing request" screen is displayed, enter PIN code of the Bluetooth device to complete access to the device.



#### Guide on distance between the device and user

- The device is tested in general conditions wherein the device is 0.5 cm apart from a user.
- To meet the radiation safety and protection standards of the Ministry of Science, ICT and Future Planning, the device and the antenna should be 0.5 cm or more from a user regardless of the antenna use.
- It is recommended to refrain from using a metal belt clip, case, or accessory.
- Do not wear an accessory keeping 0.5 cm or shorter from the back part of the device or one that does not meet the radiation safety and protection standards of Ministry of Science, ICT and Future Planning.

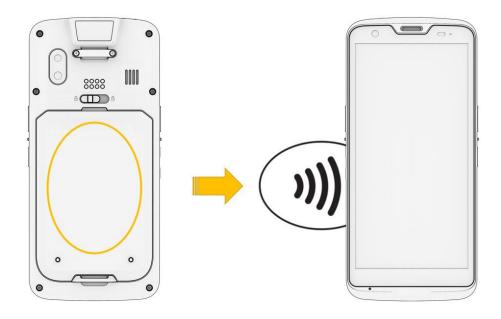


#### 3.5 NFC

#### 2.11.1 Setting the NFC Feature

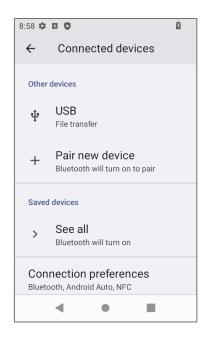
#### **Activating the NFC Feature**

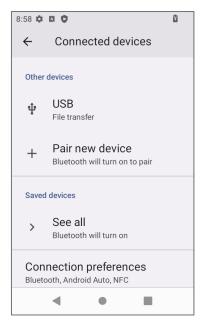
There is an NFC antenna next to the speaker behind the SL20 device, so please orient it and tag it.

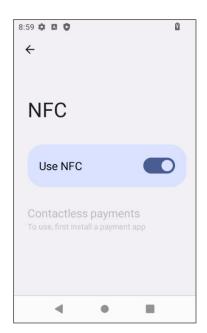


Swipe the bottom → Click NFC On

Settings → Connected devices → Connection preferences →





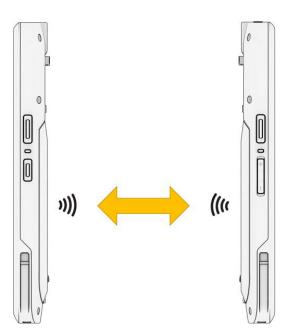




#### 2.11.2 Connecting the NFC Feature

#### Connecting with the NFC Device

- Open Web page or screen of a video, photo, or contact.
- Place back part of the NFC device toward back part of M3 SL20.
- Touch the screen. Data transfer would then start.



#### Caution when sharing data



While sharing data, the distance between devices should be less than 5 cm.

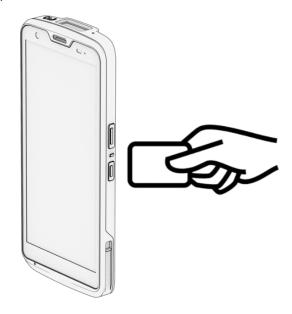
#### Caution when transferring data

When transferring data between devices, they do not need to be close. It is recommended to keep the distance between devices within 10 m.



#### Connecting to the NFC Chip / Tag Card

- 1. Hold M3 SL20 as shown below. Do not cover the antenna area of a speaker with your hands.
- 2. Place M3 SL20 near NFC chip or tag card until data transfer is completed. (Generally, data is displayed in the application.)



#### Connecting to a Bluetooth Device with the NFC Feature

- 1. Do not cover the antenna area of a speaker with your hands.
- 2. Place M3 SL20 near the device. The device displays that connection is successfully performed.

#### 4 Advanced Use

#### 4.1 OS Update

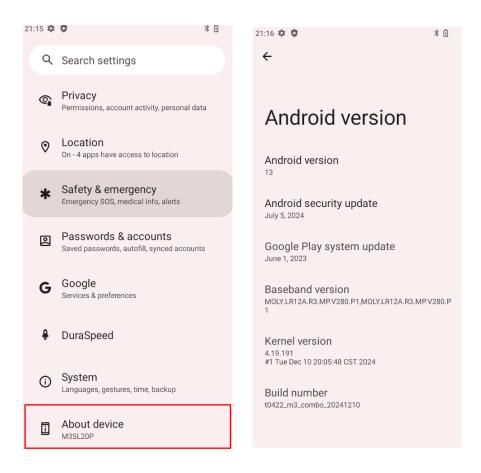
The M3 Mobile distributes new OS to improve the quality and performance of a product.

To check OS version of the device, Swipe the bottom → Click Android version



Settings → About device →





The latest OS is described on the online support page of M3 Mobile.

The OS of M3 SL20 can be updated through two methods.

- Use Micro-SD card
- Connect the device via Ethernet cradle

For detailed information on OS update, please refer to the "OS" item of the M3 FAQ (FAQ download).

#### 4.2 Key Setting Conversion

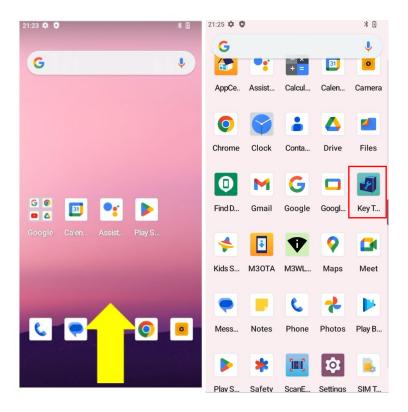
M3 SL20 allows a user to change and modify key settings for user convenience.

Swipe the bottom → Click



**KeyTool application** 





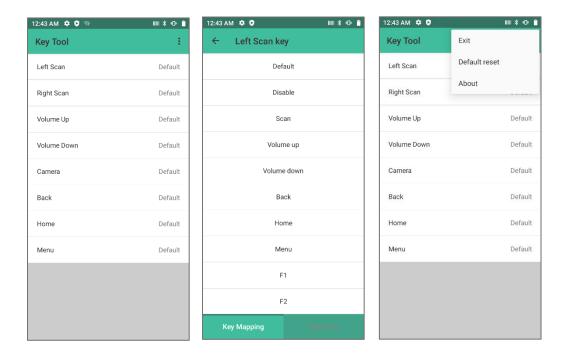


Keys can be set as follows:

SL20 KEYTOOL application KeyTool







You can modify the physical button settings of the device, except for the power button.

#### 4.3 Battery Hot swap

Sometimes people want to swap the battery without rebooting a device.

Because,

- 1) Not saved application data is erased when device is rebooted.
- 2) Rebooting Time is too long.

Battery Hot swap function prevents this situation.



- Use the battery hot swap function in the sequence below.
- 1. Press the power button of the device once and switch it to sleep mode.
- 2. Remove the battery and replace it with a new one.



\*Caution! Replace battery in a minute and a half.

# 5 Others

# **5.1 SL20 Device Specifications**

Dimensions  Dimensions  Dimensions  T2.7 X 156.8 X 17.55 mm  Weight  8.81oz / 250g (inclusive battery)  Display  5.5 in. color HD (1440 X 720); Corning ® Gorilla® Glass  Touch panel  Backlight  LED backlight display  Expansion Slot  (X model Only)  Network  Connections  WiLAN, Bluebooth and WWAN  Notification  Audible tone, multi-color LEDs, wibration  Keypad  Buttons  Buttons  Buttons: 5 Programmable side scan keys+ power button  Internal speaker, Two microphone with noise cancellation;  Vice and Audio  Vibrate alert and Bluebooth wireless headset support. High quality speaker phone;  1 Watt Built-in speaker and microphone  Performance Characteristics  Processor  Android 13(up to 15) with M3 Mobile's StartUp for control over GMS and other services; will support future Android releases.  4 GB/64GB Flash  8 GB/128GB Flash  All models ship with rechargeable Li-lon Polymer, 3.8V  5000mAh battery; hot swap support with temporary WWANWNANWANWLAN/Bluetooth session persistence,  Data Capture  Scan range-Code 39 barcode:  20 Mit 20.in . To 30 (in ,5.66cm to 76 zcm  4 Mit.3. sin. to 3.8 in ,78.4cm to 22.4cm  2D Imager  Rear Camera  Rear Camera  Rear Camera  Rear Camera  Rear Camera  Rear Camera  Rear Camera 13 MP; front camera 5MP  NFC  ISO 14443 A/B, ISO 15693, Mifare, P2P mode and card Emulation via Host (HCE) support  Wireless WAN Data AND VOICE COMMUNICATIONS (X model only)  Support Vol.TE  LTE FDD: 700/800/840900/1700/1800/1900/2100/2600  (1/12/3/4/57/8/18)20/28)	Physical Characteristics			
Weight 8.81oz / 250g (inclusive battery)  Display 5.5 in. color HD (1440 X 720); Corning **Gorilla** Glass  Touch panel Supports dual input mode with finger, gloved finger  Backlight LED backlight display  Expansion Slot User accessible MicroSD with up to 1TB  SIM Slots (X model Only)  Network USB 2.0 High Speed OTG (host/client); Type C connector, Connections WLAN, Bluetooth and WWAN  Notification Audible tone, multi-color LEDs, vibration  Keypad On-screen keypad  Buttons Buttons: 5 Programmable side scan keys+ power button  Internal speaker, Two microphone with noise cancellation;  Voice and Audio Vibrate alert and Bluetooth wireless headset support, High quality speaker phone;  1 Watt Bullt-in speaker and microphone  Performance Characteristics  Processor 2.0 GHz Octa-core processor  Android 13(up to 15) with M3 Mobile's StartUp for control over GMS and other services; will support future Android releases.  4GB/64GB Flash  Memory 8GB/128GB Flash  All models ship with rechargeable Li-lon Polymer, 3.8V  5000mAh battery; hot swap support with temporary WWAN/WLAN/Bluetooth session persistence,  Data Capture  SE4710 imager (10 and 2D) with extraordinary range:  Scan range-Code 39 barcode:  Scan range-Code 39 barcode:  20Mil: 2.0 in. To 30.0in/5.08cm to 76.2cm  4 Mil:3.3 in. to 8.8 in/8.4cm to 22.4cm  2D Imager  Rear Camera  Rear Camera Rear camera 13 MP; front camera 5MP  NFC ISO 14443 A/B, ISO 15693, Mifare, P2P mode and card Emulation via Host (HCE) support  Wireless WAN Data AND VOICE COMMUNICATIONS (X model only)  Support Vol.TE  LTE FDD: 700/800/850/900/1700/1800/1900/2100/2600	Dimensions	2.86 X 6.17 X 0.69 inch		
Display  5.5 in. color HD (1440 X 720); Coming ® Gorilla® Glass  Touch panel  Backlight  LED backlight display  Expansion Slot  User accessible MicroSD with up to 1TB  SIM Slots (X model Only)  Network  Connections  NulAn, Bluetooth and WWAN  Notification  Keypad  On-screen keypad  Buttons  Buttons: 5 Programmable side scan keys+ power button  Internal speaker, Two microphone with noise cancellation;  Vice and Audio  Vibrate alert and Bluetooth wireless headset support; High quality speaker phone;  1 Watt Built-in speaker and microphone  Performance Characteristics  Processor  OS  Android 13(up to 15) with M3 Mobile's StartUp for control over GMS and other services; will support future Android releases.  4GB/64GB Flash  8GB/128GB Flash  All models ship with rechargeable Li-lon Polymer, 3.8V  5000mAh battery; hot swap support with temporary WWAN/WLAN/Bluetooth session persistence,  Data Capture  Scan range-Code 39 barcode:  Scan range-Code 39 barcode:  Scan range-Code 39 barcode:  Scan range-Code 39 barcode:  20 Mil: 20 in. To 30 0 in./5 08cm to 76 2cm  4 Mil: 3.3 in. to 8.8 in./8.4cm to 22.4cm  2D Imager  Rear Camera  Rear Camera  Rear Camera Table  NFC  ISO 14443 A/B, ISO 15693, Mifare, P2P mode and card Emulation via Host (HCE) support  Wireless WAN Data AND VOICE COMMUNICATIONS (X model only)  Support VoLTE  LTE FDD: 700/800/850/900/1700/1800/1900/2100/2600	Dimensions	72.7 X 156.8 X 17.55 mm		
Touch panel Supports dual input mode with finger, gloved finger  Backlight LED backlight display  Expansion Slot User accessible MicroSD with up to 1TB  SIM Slots (X model Only)  Network USB 2.0 High Speed OTG (host/client); Type C connector, Connections  Notification Audible tone, multi-color LEDs, vibration  Keypad On-screen keypad  Buttons Buttons: 5 Programmable side scan keys+ power button  Internal speaker, Two microphone with noise cancellation;  Voice and Audio Vibrate alert and Bluetooth wireless headset support; High quality speaker phone;  1 Watt Built-in speaker and microphone  Performance Characteristics  Processor 2.0 GHz Octa-core processor  Android 13(up to 15) with M3 Mobile's StartUp for control over GMS and other services; will support future Android releases.  Memory 86B/128GB Flash  All models ship with rechargeable Li-lon Polymer, 3.8V  So00mAh battery; hot swap support with temporary WWAN/WLAN/Bluetooth session persistence,  Data Capture  SE4710 imager (10 and 2D) with extraordinary range: Scan range-Code 39 barcode: Scan range-Code 39 barcode: Scan range-Code 39 barcode: 20 Mil: 2.0 in. To 30.0 in/5.08cm to 76.2cm 4 Mil: 3.3 in. to 8.8 in/8.4cm to 22.4cm 2D Imager  Rear Camera Rear camera 13 MP; front camera 5MP  NFC ISO 14443 A/B, ISO 15693, Mifare, P2P mode and card Emulation via Host (HCE) support  Wireless WAN Data AND VOICE COMMUNICATIONS (X model only)  Support VoLTE  LTE FDD: 700/800/850/900/1700/1800/1900/2100/2600	Weight	8.81oz / 250g (inclusive battery)		
Backlight  Expansion Slot  User accessible MicroSD with up to 1TB  SIM Slots (X model Only)  Network  Connections  Notification  Audible tone, multi-color LEDs, vibration  Keypad  On-screen keypad  On-screen keypad  Buttons  Buttons: 5 Programmable side scan keys+ power button  Internal speaker, Two microphone with noise cancellation;  Voice and Audio  Vibrate alert and Bluetooth wireless headset support; High quality speaker phone;  1 Watt Built-in speaker and microphone  Performance Characteristics  Processor  OS  Android 13(up to 15) with M3 Mobile's StartUp for control over GMS and other services; will support future Android releases.  4GB/4646F Flash  8GB/128GB Flash  All models ship with rechargeable L-lon Polymer, 3.8V  Sommah battery; hot swap support with temporary WWAN/WLAN/Bluetooth session persistence,  Data Capture  SE4710 imager (10 and 2D) with extraordinary range:  Scan range-Code 39 barcode:  Scan range-Code 39 barcode:  Scan range-Code 39 barcode:  Scan ranger Rear Camera  Rear Camera  Rear Camera  Rear camera 13 MP; front camera 5MP  NFC  ISO 14443 A/B, ISO 15693, Mifare, P2P mode and card Emulation via Host (HCE) support  Wireless WAN Data AND VOICE COMMUNICATIONS (X model only)  Support Vol.TE  LTE FDD: 700/800/850/900/1700/1800/1900/2100/2600	Display	5.5 in. color HD (1440 X 720); Corning <sup>®</sup> Gorilla <sup>®</sup> Glass		
Expansion Slot  User accessible MicroSD with up to 1TB  SIM Slots (X model Only)  Network  USB 2.0 High Speed OTG (host/client); Type C connector,  Connections  Nul N, Bluetooth and WWAN  Notification  Audible tone, multi-color LEDs, vibration  Keypad  On-screen keypad  Buttons  Buttons: 5 Programmable side scan keys+ power button  Internal speaker, Two microphone with noise cancellation;  Voice and Audio  Vibrate alert and Bluetooth wireless headset support, High quality speaker phone;  1 Watt Built-in speaker and microphone  Performance Characteristics  Processor  OS  Android 13(up to 15) with M3 Mobile's StartUp for control over GMS and other services; will support future Android releases.  4GB/64GB Flash  8GB/128GB Flash  Boomer  All models ship with rechargeable Li-Ion Polymer, 3.8V  5000mAh battery; hot swap support with temporary WWAN/WLAN/Bluetooth session persistence,  Data Capture  SE4710 imager (1D and 2D) with extraordinary range:  Scan range-Code 39 barcode:  Scan range-Code 39 barcode:  20Mil: 2.0in. To 30.0in./5.08cm to 76.2cm  4 Mil:3.3 in. to 8.8 in./8.4cm to 22.4cm  2D Imager  Rear Camera  Rear camera 13 MP; front camera 5MP  NFC  ISO 14443 A/B, ISO 15693, Mifare, P2P mode and card Emulation via Host (HCE) support  Wireless WAN Data AND VOICE COMMUNICATIONS (X model only)  Support VoLTE  LTE FDD: 700/800/850/900/1700/1800/1900/2100/2600	Touch panel	Supports dual input mode with finger, gloved finger		
SIM Slots (X model Only)  Network Connections  Notification  Keypad  Buttons  Buttons: 5 Programmable side scan keys+ power button Internal speaker, Two microphone with noise cancellation; Voice and Audio  Vibrate alert and Bluetooth wireless headset support, High quality speaker phone; 1 Watt Built-in speaker and microphone  Performance Characteristics  Processor  OS  Android 13(up to 15) with M3 Mobile's StartUp for control over GMS and other services; will support future Android releases.  4G8/64GB Flash 8G8/128GB Flash Power  All models ship with rechargeable Li-Ion Polymer, 3.8V 5000mAh battery; hot swap support with temporary WWAN/WLAN/Bluetooth session persistence,  Data Capture  Scan range-Code 39 barcode: Scan r	Backlight	LED backlight display		
Network   USB 2.0 High Speed OTG (host/client); Type C connector, Connections   WLAN, Bluetooth and WWAN	Expansion Slot	User accessible MicroSD with up to 1TB		
Notification		Dual SIM; 1 nano SIM, 1Esim ( Only Network Model )		
Notification  Keypad  On-screen keypad  Buttons  Buttons: 5 Programmable side scan keys+ power button  Internal speaker, Two microphone with noise cancellation;  Voice and Audio  Vibrate alert and Bluetooth wireless headset support; High quality speaker phone;  1 Watt Built-in speaker and microphone  Performance Characteristics  Processor  2.0 GHz Octa-core processor  Android 13(up to 15) with M3 Mobile's StartUp for control over GMS and other services; will support future Android releases.  Memory  All models ship with rechargeable Li-lon Polymer, 3.8V  So00mAh battery; hot swap support with temporary WWAN/WLAN/Bluetooth session persistence,  Data Capture  SE4710 imager (1D and 2D) with extraordinary range:  Scan range-Code 39 barcode:  Scan range-Code 39 bar	Network	USB 2.0 High Speed OTG (host/client); Type C connector,		
Buttons Buttons: 5 Programmable side scan keys+ power button  Internal speaker, Two microphone with noise cancellation;  Voice and Audio  Vibrate alert and Bluetooth wireless headset support, High quality speaker phone;  1 Watt Built-in speaker and microphone  Performance Characteristics  Processor  2.0 GHz Octa-core processor  Android 13(up to 15) with M3 Mobile's StartUp for control over GMS and other services; will support future Android releases.  4GB/64GB Flash  8GB/128GB Flash  All models ship with rechargeable Li-lon Polymer, 3.8V  5000mAh battery; hot swap support with temporary WWAN/WLAN/Bluetooth session persistence,  Data Capture  SE4710 imager (1D and 2D) with extraordinary range: Scan range-Code 39 barcode: Scan range-Code 39 barcode: 20Mil: 2.0in. To 30.0in/5.08cm to 76.2cm 4 Mil: 3.3 in. to 8.8 in/8.4cm to 22.4cm 2D Imager  Rear Camera  Rear Camera  Rear camera 13 MP; front camera 5MP  NFC  ISO 14443 A/B, ISO 15693, Mifare, P2P mode and card Emulation via Host (HCE) support  Wireless WAN Data AND VOICE COMMUNICATIONS (X model only)  Support VoLTE  LTE FDD: 700/800/850/900/1700/1800/1900/2100/2600	Connections	WLAN, Bluetooth and WWAN		
Buttons Buttons: 5 Programmable side scan keys+ power button  Internal speaker, Two microphone with noise cancellation;  Voice and Audio Vibrate alert and Bluetooth wireless headset support; High quality speaker phone;  1 Watt Built-in speaker and microphone  Performance Characteristics  Processor 2.0 GHz Octa-core processor  OS Android 13(up to 15) with M3 Mobile's StartUp for control over GMS and other services; will support future Android releases.  Memory 46B/64GB Flash 8GB/128GB Flash 8GB/128GB Flash All models ship with rechargeable Li-Ion Polymer, 3.8V 5000mAh battery; hot swap support with temporary WWAN/WLAN/Bluetooth session persistence,  Data Capture  SE4710 imager (1D and 2D) with extraordinary range: Scan range-Code 39 barcode: Scan range-Code 39 barcode: 20Mil: 2.0in. To 30.0in./5.08cm to 76.2cm 4 Mil:3.3 in. to 8.8 in./8.4cm to 22.4cm 2D Imager  Rear Camera Rear camera 13 MP; front camera 5MP  NFC ISO 14443 A/B, ISO 15693, Mifare, P2P mode and card Emulation via Host (HCE) support  Wireless WAN Data AND VOICE COMMUNICATIONS (X model only)  Support VoLTE LTE FDD: 700/800/850/900/1700/1800/1900/2100/2600	Notification	Audible tone, multi-color LEDs, vibration		
Internal speaker, Two microphone with noise cancellation;  Voice and Audio  Vibrate alert and Bluetooth wireless headset support; High quality speaker phone;  1 Watt Built-in speaker and microphone  Performance Characteristics  Processor  2.0 GHz Octa-core processor  Android 13(up to 15) with M3 Mobile's StartUp for control over GMS and other services; will support future Android releases.  Memory  All models ship with rechargeable Li-Ion Polymer, 3.8V  So00mAh battery; hot swap support with temporary WWAN/WLAN/Bluetooth session persistence,  Data Capture  SE4710 imager (1D and 2D) with extraordinary range:  Scan range-Code 39 barcode:  Scan range-Code 39 barcode:  20Mil: 2.0in. To 30.0in./5.08cm to 76.2cm  4 Mil:3.3 in. to 8.8 in./8.4cm to 22.4cm  2D Imager  Rear Camera  Rear Camera 13 MP; front camera 5MP  NFC ISO 14443 A/B, ISO 15693, Mifare, P2P mode and card Emulation via Host (HCE) support  Wireless WAN Data AND VOICE COMMUNICATIONS (X model only)  Support VoLTE  LTE FDD: 700/800/850/900/1700/1800/1900/2100/2600	Keypad	On-screen keypad		
Voice and Audio  Vibrate alert and Bluetooth wireless headset support; High quality speaker phone;  1 Watt Built-in speaker and microphone  Performance Characteristics  Processor  2.0 GHz Octa-core processor  Android 13(up to 15) with M3 Mobile's StartUp for control over GMS and other services; will support future Android releases.  Memory  4 GB/64GB Flash  All models ship with rechargeable Li-lon Polymer, 3.8V  5000mAh battery; hot swap support with temporary WWAN/WLAN/Bluetooth session persistence,  Data Capture  SE4710 imager (1D and 2D) with extraordinary range: Scan range-Code 39 barcode: Scanning  20Mil: 2.0in. To 30.0in/5.08cm to 76.2cm  4 Mil:3.3 in. to 8.8 in./8.4cm to 22.4cm  2D Imager  Rear Camera  Rear camera 13 MP; front camera 5MP  NFC  ISO 14443 A/B, ISO 15693, Mifare, P2P mode and card Emulation via Host (HCE) support  Wireless WAN Data AND VOICE COMMUNICATIONS (X model only)  Support VoLTE  Radio Frequenc Band	Buttons	Buttons : 5 Programmable side scan keys+ power button		
Processor Processor 2.0 GHz Octa-core processor Android 13(up to 15) with M3 Mobile's StartUp for control over GMS and other services; will support future Android releases.  Memory All models ship with rechargeable Li-lon Polymer, 3.8V South Battery; hot swap support with temporary WWAN/WLAN/Bluetooth session persistence,  Data Capture  SE4710 imager (1D and 2D) with extraordinary range: Scan range-Code 39 barcode: Scanning All incompanies and services and		Internal speaker, Two microphone with noise cancellation;		
Performance Characteristics  2.0 GHz Octa-core processor  Android 13(up to 15) with M3 Mobile's StartUp for control over GMS and other services; will support future Android releases.  Memory  All models ship with rechargeable Li-Ion Polymer, 3.8V  5000mAh battery; hot swap support with temporary WWAN/WLAN/Bluetooth session persistence,  Data Capture  SE4710 imager (1D and 2D) with extraordinary range: Scan range-Code 39 barcode: Scanning  Scanning  All indeels ship with rechargeable Li-Ion Polymer, 3.8V  5000mAh battery; hot swap support with temporary WWAN/WLAN/Bluetooth session persistence,  Data Capture  SE4710 imager (1D and 2D) with extraordinary range: Scan range-Code 39 barcode: 20Mil: 2.0in. To 30.0in./5.08cm to 76.2cm  4 Mil:3.3 in. to 8.8 in./8.4cm to 22.4cm 2D Imager  Rear Camera  Rear camera 13 MP; front camera 5MP  NFC  ISO 14443 A/B, ISO 15693, Mifare, P2P mode and card Emulation via Host (HCE) support  Wireless WAN Data AND VOICE COMMUNICATIONS (X model only)  Support VoLTE  LTE FDD: 700/800/850/900/1700/1800/1900/2100/2600	Voice and Audio	Vibrate alert and Bluetooth wireless headset support; High quality speaker phone;		
Processor  OS  Android 13(up to 15) with M3 Mobile's StartUp for control over GMS and other services; will support future Android releases.  Memory  AGB/64GB Flash  8GB/128GB Flash  All models ship with rechargeable Li-Ion Polymer, 3.8V  5000mAh battery; hot swap support with temporary WWAN/WLAN/Bluetooth session persistence,  Data Capture  SE4710 imager (1D and 2D) with extraordinary range: Scan range-Code 39 barcode:  Scanning  Scanning  Scanning  All models ship with rechargeable Li-Ion Polymer, 3.8V  5000mAh battery; hot swap support with temporary WWAN/WLAN/Bluetooth session persistence,  Data Capture  SE4710 imager (1D and 2D) with extraordinary range: Scan range-Code 39 barcode:  20Mil: 2.0in. To 30.0in./5.08cm to 76.2cm  4 Mil:3.3 in. to 8.8 in./8.4cm to 22.4cm  2D Imager  Rear Camera  Rear Camera 13 MP; front camera 5MP  NFC  ISO 14443 A/B, ISO 15693, Mifare, P2P mode and card Emulation via Host (HCE) support  Wireless WAN Data AND VOICE COMMUNICATIONS (X model only)  Support VoLTE  LTE FDD: 700/800/850/900/1700/1800/1900/2100/2600		1 Watt Built-in speaker and microphone		
Android 13(up to 15) with M3 Mobile's StartUp for control over GMS and other services; will support future Android releases.  Memory  AGB/64GB Flash  All models ship with rechargeable Li-lon Polymer, 3.8V  5000mAh battery; hot swap support with temporary WWAN/WLAN/Bluetooth session persistence,  Data Capture  SE4710 imager (1D and 2D) with extraordinary range: Scan range-Code 39 barcode: Scan range-Code 39 barcode: 20Mil: 2.0in. To 30.0in./5.08cm to 76.2cm 4 Mil:3.3 in. to 8.8 in./8.4cm to 22.4cm 2D Imager  Rear Camera  Rear camera 13 MP; front camera 5MP  NFC  ISO 14443 A/B, ISO 15693, Mifare, P2P mode and card Emulation via Host (HCE) support  Wireless WAN Data AND VOICE COMMUNICATIONS (X model only)  Support VoLTE  LTE FDD: 700/800/850/900/1700/1800/1900/2100/2600		Performance Characteristics		
Memory  AGB/64GB Flash  BGB/128GB Flash  All models ship with rechargeable Li-Ion Polymer, 3.8V  5000mAh battery; hot swap support with temporary WWAN/WLAN/Bluetooth session persistence,  Data Capture  SE4710 imager (1D and 2D) with extraordinary range: Scan range-Code 39 barcode: Scan range-Code 39 barcode: 20Mil: 2.0in. To 30.0in./5.08cm to 76.2cm 4 Mil:3.3 in. to 8.8 in./8.4cm to 22.4cm 2D Imager  Rear Camera  Rear camera 13 MP; front camera 5MP  NFC  ISO 14443 A/B, ISO 15693, Mifare, P2P mode and card Emulation via Host (HCE) support  Wireless WAN Data AND VOICE COMMUNICATIONS (X model only)  Radio Frequenc Band  LTE FDD: 700/800/850/900/1700/1800/1900/2100/2600	Processor	2.0 GHz Octa-core processor		
Memory  AGB/64GB Flash 8GB/128GB Flash All models ship with rechargeable Li-Ion Polymer, 3.8V 5000mAh battery; hot swap support with temporary WWAN/WLAN/Bluetooth session persistence,  Data Capture  SE4710 imager (1D and 2D) with extraordinary range: Scan range-Code 39 barcode: Scan range-Code 39 barcode: 20Mil: 2.0in. To 30.0in./5.08cm to 76.2cm 4 Mil:3.3 in. to 8.8 in./8.4cm to 22.4cm 2D Imager  Rear Camera  Rear camera 13 MP; front camera 5MP  NFC ISO 14443 A/B, ISO 15693, Mifare, P2P mode and card Emulation via Host (HCE) support  Wireless WAN Data AND VOICE COMMUNICATIONS (X model only)  Radio Frequenc Band  LTE FDD: 700/800/850/900/1700/1800/1900/2100/2600	08	Android 13(up to 15) with M3 Mobile's StartUp for control over GMS and other services; will support		
Memory  RGB/128GB Flash  All models ship with rechargeable Li-lon Polymer, 3.8V  5000mAh battery; hot swap support with temporary WWAN/WLAN/Bluetooth session persistence,  Data Capture  SE4710 imager (1D and 2D) with extraordinary range: Scan range-Code 39 barcode: Scan range-Code 39 barcode: 20Mil: 2.0in. To 30.0in./5.08cm to 76.2cm 4 Mil:3.3 in. to 8.8 in./8.4cm to 22.4cm 2D Imager  Rear Camera  Rear camera 13 MP; front camera 5MP  NFC ISO 14443 A/B, ISO 15693, Mifare, P2P mode and card Emulation via Host (HCE) support  Wireless WAN Data AND VOICE COMMUNICATIONS (X model only)  Support VoLTE  Radio Frequenc Band	03	future Android releases.		
All models ship with rechargeable Li-Ion Polymer, 3.8V 5000mAh battery; hot swap support with temporary WWAN/WLAN/Bluetooth session persistence,  Data Capture  SE4710 imager (1D and 2D) with extraordinary range: Scan range-Code 39 barcode: Scan range-Code 39 barcode: 20Mil: 2.0in. To 30.0in./5.08cm to 76.2cm 4 Mil:3.3 in. to 8.8 in./8.4cm to 22.4cm 2D Imager  Rear Camera  Rear camera 13 MP; front camera 5MP  NFC ISO 14443 A/B, ISO 15693, Mifare, P2P mode and card Emulation via Host (HCE) support  Wireless WAN Data AND VOICE COMMUNICATIONS (X model only)  Support VoLTE  Radio Frequenc Band	Momony	4GB/64GB Flash		
Data Capture  SE4710 imager (1D and 2D) with extraordinary range: Scan range-Code 39 barcode: Scan range-Code 39 barcode: Scan to 30.0in./5.08cm to 76.2cm 4 Mil:3.3 in. to 8.8 in./8.4cm to 22.4cm 2D Imager  Rear Camera  Rear camera 13 MP; front camera 5MP  NFC ISO 14443 A/B, ISO 15693, Mifare, P2P mode and card Emulation via Host (HCE) support  Wireless WAN Data AND VOICE COMMUNICATIONS (X model only)  Support VoLTE  Radio Frequenc Band  LTE FDD: 700/800/850/900/1700/1800/1900/2100/2600	Memory	8GB/128GB Flash		
Data Capture  SE4710 imager (1D and 2D) with extraordinary range: Scan range-Code 39 barcode: Scanning  20Mil: 2.0in. To 30.0in./5.08cm to 76.2cm 4 Mil:3.3 in. to 8.8 in./8.4cm to 22.4cm 2D Imager  Rear Camera  Rear camera 13 MP; front camera 5MP  NFC  ISO 14443 A/B, ISO 15693, Mifare, P2P mode and card Emulation via Host (HCE) support  Wireless WAN Data AND VOICE COMMUNICATIONS (X model only)  Support VoLTE  Radio Frequenc Band  LTE FDD: 700/800/850/900/1700/1800/1900/2100/2600	Power	All models ship with rechargeable Li-lon Polymer, 3.8V		
SE4710 imager (1D and 2D) with extraordinary range : Scan range-Code 39 barcode : Scanning  20Mil: 2.0in. To 30.0in./5.08cm to 76.2cm 4 Mil:3.3 in. to 8.8 in./8.4cm to 22.4cm 2D Imager  Rear Camera  Rear camera 13 MP; front camera 5MP  NFC  ISO 14443 A/B, ISO 15693, Mifare, P2P mode and card Emulation via Host (HCE) support  Wireless WAN Data AND VOICE COMMUNICATIONS (X model only)  Support VoLTE  Radio Frequenc Band  LTE FDD: 700/800/850/900/1700/1800/1900/2100/2600	rowei	5000mAh battery; hot swap support with temporary WWAN/WLAN/Bluetooth session persistence,		
Scan range-Code 39 barcode :  Scanning  20Mil: 2.0in. To 30.0in./5.08cm to 76.2cm  4 Mil:3.3 in. to 8.8 in./8.4cm to 22.4cm  2D Imager  Rear Camera  Rear camera 13 MP; front camera 5MP  NFC  ISO 14443 A/B, ISO 15693, Mifare, P2P mode and card Emulation via Host (HCE) support  Wireless WAN Data AND VOICE COMMUNICATIONS (X model only)  Support VoLTE  Radio Frequenc Band  LTE FDD: 700/800/850/900/1700/1800/1900/2100/2600		Data Capture		
Scanning   20Mil: 2.0in. To 30.0in./5.08cm to 76.2cm   4 Mil:3.3 in. to 8.8 in./8.4cm to 22.4cm   2D Imager		SE4710 imager (1D and 2D) with extraordinary range :		
A Mil:3.3 in. to 8.8 in./8.4cm to 22.4cm 2D Imager  Rear Camera  Rear camera 13 MP; front camera 5MP  NFC  ISO 14443 A/B, ISO 15693, Mifare, P2P mode and card Emulation via Host (HCE) support  Wireless WAN Data AND VOICE COMMUNICATIONS (X model only)  Support VoLTE  Radio Frequenc Band  LTE FDD: 700/800/850/900/1700/1800/1900/2100/2600		Scan range-Code 39 barcode :		
Rear Camera  Rear camera 13 MP; front camera 5MP  NFC  ISO 14443 A/B, ISO 15693, Mifare, P2P mode and card Emulation via Host (HCE) support  Wireless WAN Data AND VOICE COMMUNICATIONS (X model only)  Support VoLTE  LTE FDD: 700/800/850/900/1700/1800/1900/2100/2600	Scanning	20Mil: 2.0in. To 30.0in./5.08cm to 76.2cm		
Rear Camera Rear camera 13 MP; front camera 5MP  NFC ISO 14443 A/B, ISO 15693, Mifare, P2P mode and card Emulation via Host (HCE) support  Wireless WAN Data AND VOICE COMMUNICATIONS (X model only)  Support VoLTE  Radio Frequenc Band		4 Mil:3.3 in. to 8.8 in./8.4cm to 22.4cm		
NFC ISO 14443 A/B, ISO 15693, Mifare, P2P mode and card Emulation via Host (HCE) support  Wireless WAN Data AND VOICE COMMUNICATIONS (X model only)  Support VoLTE  LTE FDD: 700/800/850/900/1700/1800/1900/2100/2600		2D Imager		
Radio Frequenc Band  Wireless WAN Data AND VOICE COMMUNICATIONS (X model only)  Support VoLTE  LTE FDD: 700/800/850/900/1700/1800/1900/2100/2600	Rear Camera	Rear camera 13 MP; front camera 5MP		
Radio Support VoLTE  LTE FDD: 700/800/850/900/1700/1800/1900/2100/2600	NFC	ISO 14443 A/B, ISO 15693, Mifare, P2P mode and card Emulation via Host (HCE) support		
Radio LTE FDD: 700/800/850/900/1700/1800/1900/2100/2600 Frequenc Band		Wireless WAN Data AND VOICE COMMUNICATIONS (X model only)		
LTE FDD: 700/800/850/900/1700/1800/1900/2100/2600 Frequenc Band	Radio	Support VoLTE		
(1/2/3/4/5/7/8/19/20/28)		LTE FDD: 700/800/850/900/1700/1800/1900/2100/2600		
	r-requeric barid	(1/2/3/4/5/7/8/19/20/28)		



	LTE TDD: 1600/2300/2500 (38/40/41)
	UMTS/HSDPA/HSPA+:850/900/1800/1900/2100(1/2/3/4/5/8); GSM/GPRS/EDGE: 850/900/1800/1900
	(2/3/5/8)
	Autonomous, Concurrent GPS; GLONASS; Gallileo; Beidou,
GNSS	and A-GPS
	Wireless LAN
Dodio	IEEE 802.11 802.11 a/b/g/n/ac/d/e/h/i/j/k/r/v, IPv4, IPv6, 1X1
Radio	MU-MIMO
	Channel 1-13 (2412-2472 MHz) :
	1,2,3,4,5,6,7,8,9,10,11,12,13
Operating	Channel 36-165 (5180-5825 MHz) : 36,40,44,48,52
Channels	56,60,64,100,104,108,112,116,120,124,128,132,136,140,1441,
(depending on	149,153,157,161,165
Regulatory)	Channel Bandwidth : 20,40,80 MHz
	Actual operating channels/frequencies and bandwidths depend on regulatory rules and certification
	agency.
Socurity and	WEP (40 or 104 bit); WPA/WPA2 Personal (TKIP, and AES);
Security and	WPA/WPA2 Enterprise (TKIP and AES) – EAP-TTLS(PAP, MSCHAP, MSCHAPv2), EAP-TLS, PEAv0-
Encryption	MSCHAPv2, PEAPv1- EAP-GTC and LEAP.EAP-PWD
Fast Roam	PMKID caching; Cisco CCKM; 802.11r; OKC
	Wireless PAN
Bluetooth	Bluetooth 5.0 BLE, CLass2
	Regulatory
EN4/5140	EN 301-489-1; EN301 489-3; EN301-489-17; EN301-489-19;
EMI/EMC	EN 61000-3-2; EN 61000-3-3; EN 55032; EN 55035 Class A
Electrical Safety	EN 62368-1
RF Exposure	EN 50360; EN 62209-1; EN50663; EN62209-2; EN 50566; EN 62479
	User Environment
	Operating Temperature: -4°F to 131 °F / -20 °C to 55 °C
Temperature	Storage Temperature: -22°F to 176 °F / -30 °C to 80 °C
Humidity	5% 95% non-condensing
	1,000 3.3ft. / 0.5m tumbles ( 2,000 times )
Tumble Test	meets and exceeds IEC tumble specification
Drop Test	Multiple 6 ft./1.5m drops to concrete across the operating temperature range per MIL-STD-810G
Sealing	IP67
Vibration	Sine: 4g's peak, 5hz to 2khz,
	Random: .04g <sup>2/</sup> : hz, 20hz to 2khz
	60 minute duration per axis, 3axis
Thermal Shock	40°F to 176 °F / -40 °C to 80 °C rapid transition
- Instituti Offork	
ESD	+/- 15kv air, +/-8kv Contact discharge
	+/-8kv indirect contact discharge  Interactive Sensor Technology (IST)
Light Canaar	
Light Sensor	Automatically adjusts the brightness of the display
Magnetometer	eCompass automatically detects direction and orientation



sensor		
Motion Sensors	Gyro Sensor, Accelerometers: for X,Y and Z movement, and gyroscopes for measuring the extent and rate of rotation in space	
Proximity Sensor	Detect the presence of nearby objects without any physical contact, during a telephone call, proximity sensors play a role in detecting accidental touchscreen taps	
Environmental Compliance		
Directive 2011/65/EU, Directive(EU)2015/863		
Warranty		
Subject to the terms of M3 MOBILE's hardware warranty statement, the SL20 Series are warranted against defects in		
workmanship and materials for a period of 1 (one) year from the date of shipment, for complete warranty statemen		

#### 5.2 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.

#### 5.2.1 Contacts

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