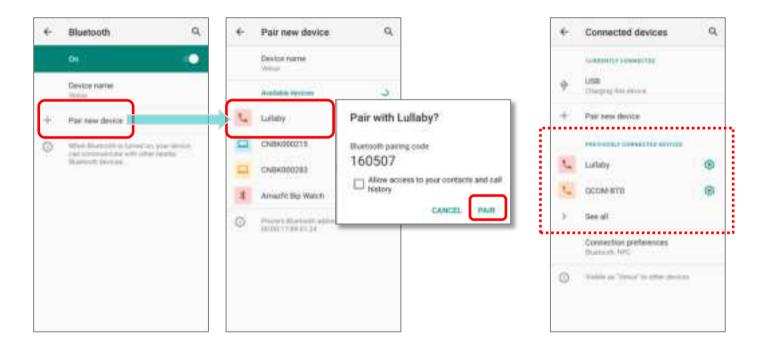
#### 4.2.4. PAIR BLUETOOTH DEVICES

- 1) Go to App Drawer | Settings | Connected devices | Connection | Preferences | Bluetooth | Tap the switch to On to scan for available Bluetooth devices nearby. Scroll through the list and tap the device you would like to pair.
- 2) The **Bluetooth pairing request** window opens. Depending on the pairing settings of the Bluetooth device, you may need to enter a passkey, or confirm the assigned passkey on the device to pair if a smart pairing method is applied. Enter/confirm the passkey on the device to pair.
- 3) Once pairing is done, you can find the Bluetooth device in <a href="#">App Drawer</a> | Settings | Connected devices | Previously connected devices.



#### Note:

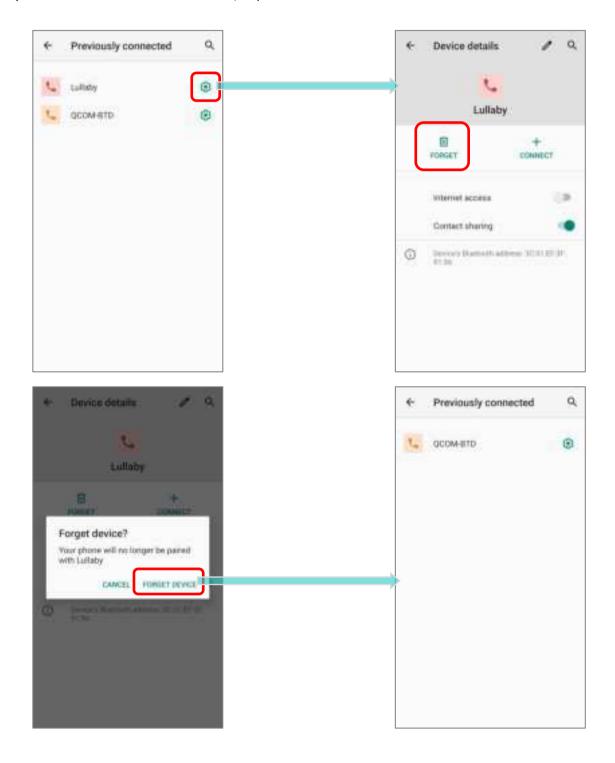
If the device you would like to pair with is not listed, make sure Bluetooth visibility is enabled on the device.



## 4.2.5. UNPAIR BLUETOOTH DEVICE

To unpair a paired device:

- 1) In the **Previously connected devices** list, tap the settings button a next to the paired device.
- 2) On the **Device details** screen, tap **FORGET**.

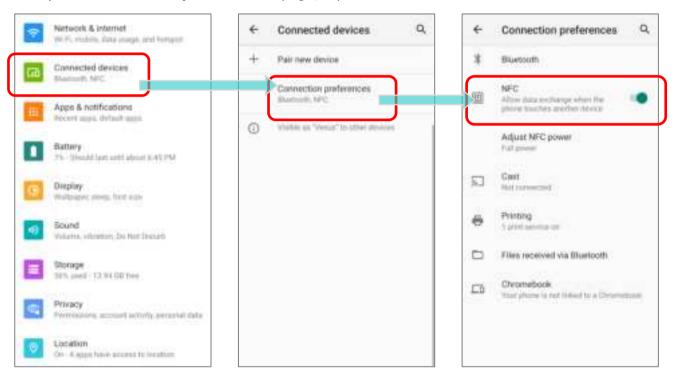


## 4.3. USE NEAR FIELD COMMUNICATIONS

Near field communications (NFC) uses close proximity (4 cm or less) to establish radio communication through electromagnetic fields. With NFC enabled, the mobile computer can collect information from NFC tags, exchange information with other NFC supported devices, and even change information on the NFC tag if authorized.

Before starting to communicate through NFC, perform the following:

- 1) Go to App Drawer (All Application) | Settings | Connected devices | Connection preferences.
- 2) On "Connection preferences" page, tap to switch on "NFC" .



You can tap on "Adjust NFC power" to select the NFC power between "Full power" and "Low power".



#### PAIR WITH NFC ENABLED BLUETOOTH DEVICES

- 1) On the device you would like to pair with, make sure NFC is enabled and Bluetooth discovery is enabled.
- 2) Hold the mobile computer without covering the antenna area.



3) Move the mobile computer in proximity with the device for pairing. A screen notification will appear to indicate that pairing is successful.

#### **COMMUNICATION WITH NFC**

- 1) On the mobile computer, launch an NFC enabled application.
- 2) Hold the mobile computer without covering the antenna area.
- 3) Place the mobile computer close to the NFC tag or device until the application indicates data transfer is complete.

# **SPECIFICATIONS**

## PLATFORM, PROCESSOR & MEMORY

Operating System & CPU

OS Version Android 10 with CTS and GMS Certified CPU Qualcomm SDM450 Octa-core 1.8GHz

Memory

ROM 32GB eMMC (MLC)
RAM 3GB LPDDR3

Expansion Slot One Micro SDHC card slot (up to 32GB)

SDXC supported (up to 64GB-2TB)
Micro SIM socket x2, Micro SAM socketx1

## **COMMUNICATION & DATA CAPTURE**

#### Communication

USB Client USB Type-C 2.0 OTG and charging contact

WPAN Bluetooth® Class II, V4.1 BLE, V2.1 with Enhanced Data Rate (EDR)

WLAN IEEE 802.11 a/b/g/n/ac

WWAN (2G) GSM: 850/900/1800/1900

(3G) UMTS/HSPA/HSPA+: B1(2100), B2(1900), B4(1700), B5(850),

B6(850), B8(900)

(4G) FDD LTE: B1(2100), B2(1900), B3(1800), B4(1700), B5(850),

B7(2600),

B8(900), B12(700), B13(700), B17(700), B19(800),

B20(800), B25(1900), B26(850), B28(700)

(4G) TDD-LTE: Band38, Band39, Band40, Band41(2545MHz~2655MHz)

GPS Built-in GPS, GLONASS, BeiDou, AGPS, Galileo

#### Data & Image Capture

Digital Camera Autofocus 13 megapixels with LED flash

Barcode Reader Laser / 2D imager

HF RFID Reader Support Card emulation, Card reader, and P2P modes of operation;

support

ISO14443 Type A & B, ISO15693, and Felica NFC area should be located on the top-side

# **ELECTRICAL CHARACTERISTICS**

| Battery                 |   |   |  |
|-------------------------|---|---|--|
| Main Battery Pack       | Rechargeable Li-polymer battery: 3.8V, 4020mAh  |   |  |
|                         | Charging temperature: 0-40°C  |   |  |
|                         | Minimum charging time: 4 hours @25 C  |   |  |
|                         | least 8 to  | time charging the main battery, please charge it for at $12$ hours. The allowed battery charging ambient is between $0\%$ to $40\%$ . It is recommended to charge |  |
|                         | the battery performance   | at room temperature (18 $^{\circ}$ C to 25 $^{\circ}$ C) for optimal s.   |  |
|                         |   | that battery charging stops when ambient temperature 0°C or exceeds 40°C.   |  |
| Backup Battery          | Charging tin  | e Li-Polymer battery: 3.7V, 100mAh<br>ne: 4 hours (under the condition that it is always be<br>ept of power off and no external power)                            |  |
| RTC Battery             | Rechargeable SMT type Li-battery: 3V, 1mAh Charging time: 12 hours (always be charged) RTC retention will be maintained for at least 72 hours when the main battery is removed. |   |  |
| Power Adaptor           |   |   |  |
| Power Supply Cord with  | Input   | AC 100~240 V, 50/60 Hz  |  |
| Universal Power Adaptor | Output  | DC 5V, 2A   |  |

BSMI, CCC, FCC, CE, RCM, PSE, PSB

**Working Time** 

Supports working time for up to 12 hours (laser)/ 10 hours (2D imager) at 25 degrees

# PHYSICAL CHARACTERISTICS

| Color Touch Screen Display |  |  |
|----------------------------|--|--|
| Display                    | 5.45 inch, Transmissive IPS LCD, sunlight visibility, Corning® Gorilla® Glass 3  |  |
| Resolution                 | 720 X 1440 Pixel   |  |
| Notifications              |  |  |
| Status LED                 | 2 LEDs include one bi-color (green & red) LED for power indications, and one tri-color (blue, green, & red) LED for reader and system notification.  |  |
| Audio                      | Speaker, dual array microphones with echo and noise cancellation<br>Bluetooth headset support, Hands-Free Profile (HFP) 1.6<br>specification with Wideband speech.<br>AMR-WB HD-voice support<br>HAC support |  |
| Dimensions & Weight        |  |  |
| Dimensions                 | 165mm(L) x 76.8mm(W) x 17.9mm(T)   |  |
| Weight                     | 275g (2D imager with battery) ±5g  |  |

# **ENVIRONMENTAL CHARACTERISTICS**

| Temperature             |  |  |
|-------------------------|--|--|
| Operating               | -20°C to 50°C  |  |
| Storage                 | -30°C to 70°C  |  |
| Charging                | 0°ር to 40°ር  |  |
| Humidity                |  |  |
| Operating               | 10% to 90% (non-condensing)  |  |
| Storage                 | 5% to 95% (non-condensing)   |  |
| Resistance              |  |  |
| Impact Resistance       | 1.2 m (4 ft.) multiple drops onto concrete, 6-face drops 6 cycles<br>With protective boot: 1.5 m (5 ft.) multiple drops onto concrete, 6<br>drops on each side |  |
| Tumble Test             | 500 tumbles at 0.5 m per applicable IEC tumble specifications  |  |
| Splash/Dust Resistance  | IP65 per applicable IEC sealing specifications   |  |
| Electrostatic Discharge | ±15 kV air discharge, ±8 kV contact discharge  |  |

# PROGRAMMING SUPPORT

## **Development Environment & Tools**

JAVA Environment Android studio

Software Development Kit: JAR

C# Environment: Visual Studio

Software Development Kit: DLL (Xamarin Library)

# **APPENDIX**

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