TC20

Touch Computer

Quick Start Guide

ZEBRA

MN-003018-01 Rev. A

This guide applies to model number: TC200J.

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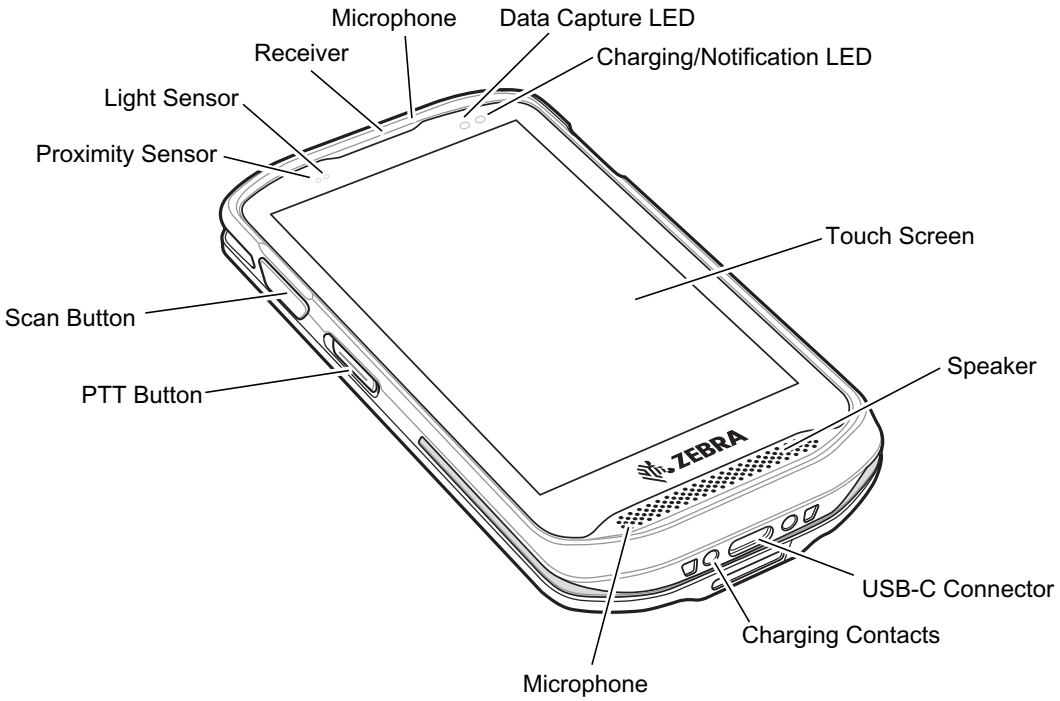
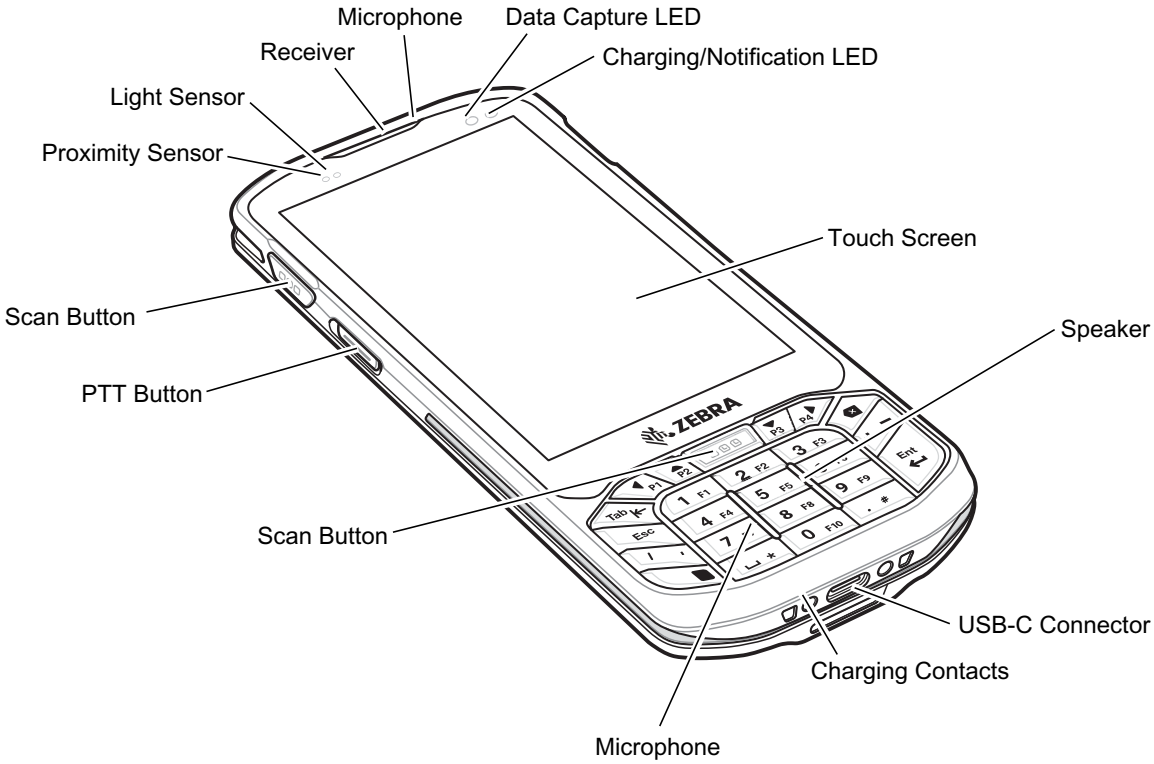
Features


Microphone
Data Capture LED
Receiver
Charging/Notification LED
Light Sensor
Proximity Sensor
Touch Screen
Scan Button
Speaker
PTT Button
USB-C Connector
Charging Contacts
Microphone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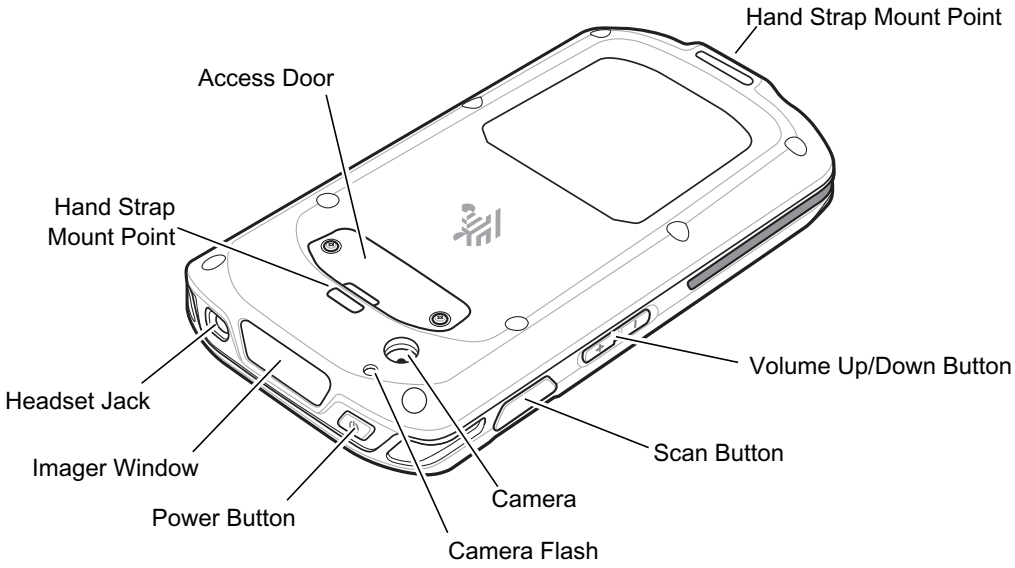
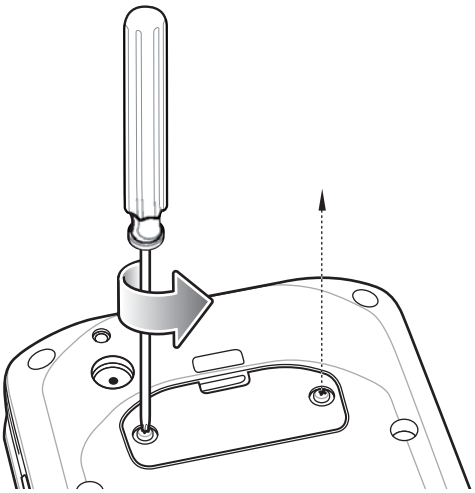


Installing a microSD Card

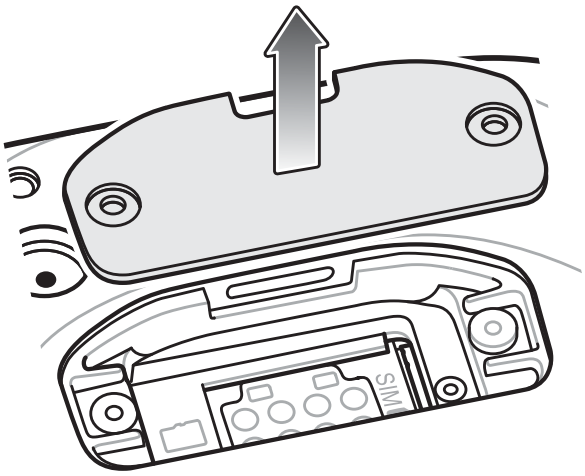
The microSD card slot provides secondary non-volatile storage. The slot is located under the access door. Refer to the documentation provided with the card for more information, and follow the manufacturer's recommendations for use.

CAUTION Follow proper electrostatic discharge (ESD) precautions to avoid damaging the microSD card. Proper ESD precautions include, but are not limited to, working on an ESD mat and ensuring that the operator is properly grounded.

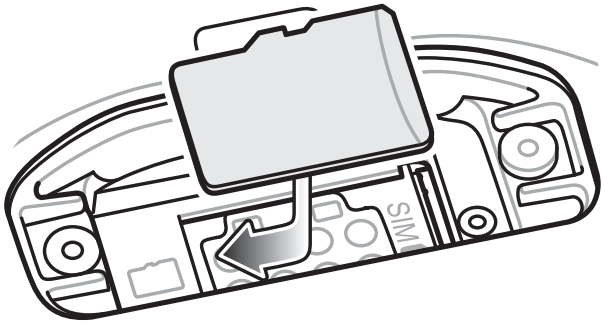
1. Using a #0 Phillips screwdriver, remove two screws securing the access door.

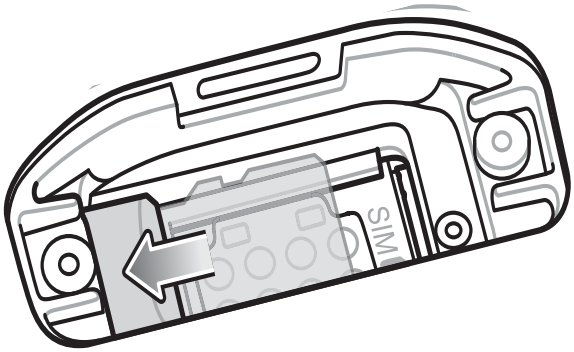


2. Remove access door.



3. Align the microSD card with the SD card slot.

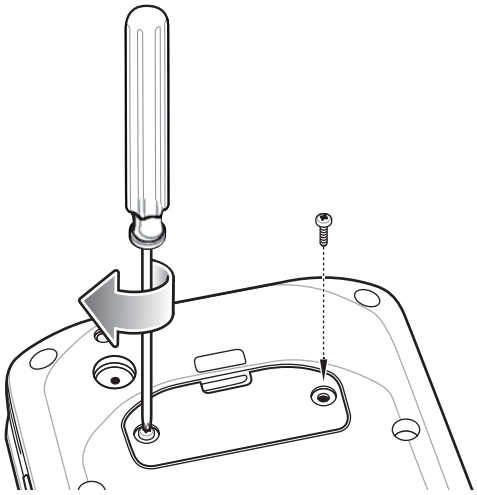




4. Push the microSD card into the SD card slot.
5. Replace the access Door.
6. Secure the access door using the two screws.

CAUTION Access door must be replaced and securely seated to ensure proper device sealing.

7. Re-install the access door.



Charging the TC20

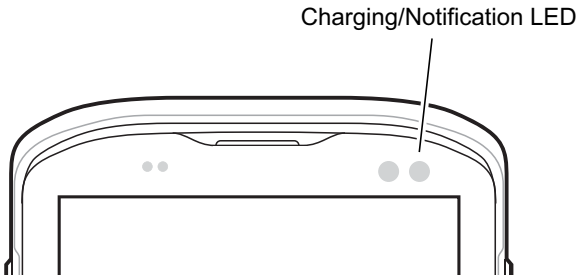
Use one of the following accessories to charge the TC20.

Table 1 Charging and Communication

Description	Part Number	Charging	Communication	
		Battery	USB	Ethernet
1-Slot Charge Only Cradle	CRD-TC2X-BS1CO-01	Yes	No	No
1-Slot Ethernet Cradle	CRD-TC2X-SE1ET-01	Yes	Yes	With Optional USB/Ethernet Module
5-Slot Charge Only Cradle	CRD-TC2X-SE5CO-01	Yes	No	No
USB-C Cable	CBL-TC2X-USBC-01	Yes	Yes	No

To charge the TC20:

1. To charge the internal battery, connect the charging accessory to the appropriate power source.
2. Insert the TC20 into a cradle or attach to a cable. The TC20 turns on and begins charging.
3. The device's Charging/Notification LED indicates the status of the battery charging in the device. See Table 2 for device charging status.



The internal battery charges from fully depleted to 90% in approximately four hours and from fully depleted to 100% in approximately five hours.

NOTE In many cases the 90% charge provides plenty of charge for daily use. A full 100% charge lasts for approximately 10 hours of use.

Use only Zebra charging accessories and batteries. Charge batteries at room temperature with the TC20 in sleep mode.

Charge batteries in temperatures from 0°C to 40°C (32°F to 104°F). The device or cradle always performs battery charging in a safe and intelligent manner. At higher temperatures (e.g. approximately +37°C (+98°F)) the device or cradle may for small periods of time alternately enable and disable battery charging to keep the battery at acceptable temperatures. The device and cradle indicates when charging is disabled due to abnormal temperatures via its LED.

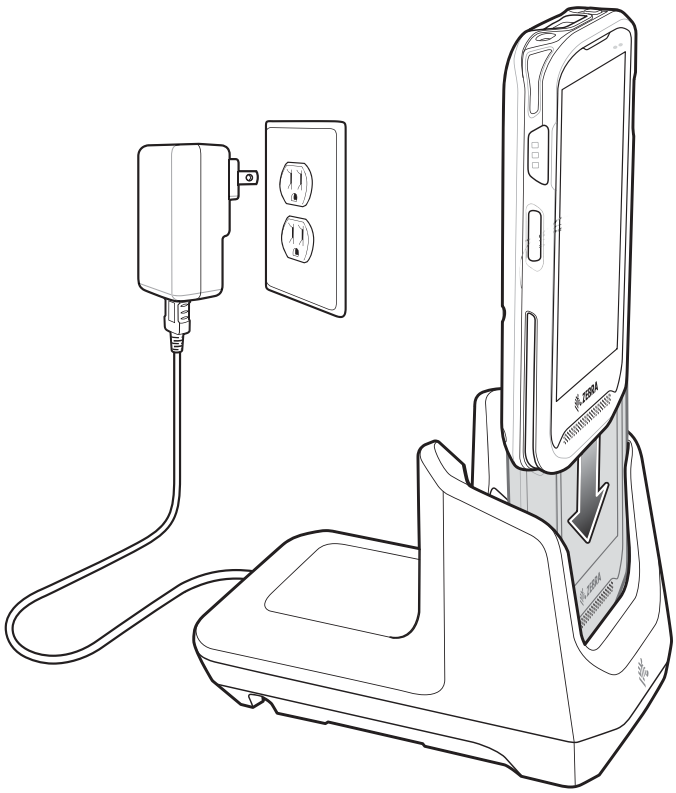
Table 2 Charging/Notification LED Charging Indicators

State	LED	Indication
Off		TC20 is not charging. TC20 is not inserted correctly in the cradle or connected to a power source. Charger/cradle is not powered.
Slow Blinking Amber (1 blink every 4 seconds)		TC20 is charging.
Slow Blinking Red (1 blink every 4 seconds)		TC20 is charging but the battery is at end of useful life. See system administrator for battery replacement services.
Solid Green		Charging complete.
Solid Red		Charging complete but the battery is at end of useful life. See system administrator for battery replacement services.
Fast Blinking Amber (2 blinks/second)		Charging error, e.g.: • Temperature is too low or too high. • Charging has gone on too long without completion (typically eight hours).
Fast Blinking Red (2 blinks/second)		Charging error but the battery is at end of useful life., e.g.: • Temperature is too low or too high. • Charging has gone on too long without completion (typically eight hours). See system administrator for battery replacement services.

1-Slot Charge Only Cradle

The 1-Slot Charge Only Cradle provide 5 VDC for charging:

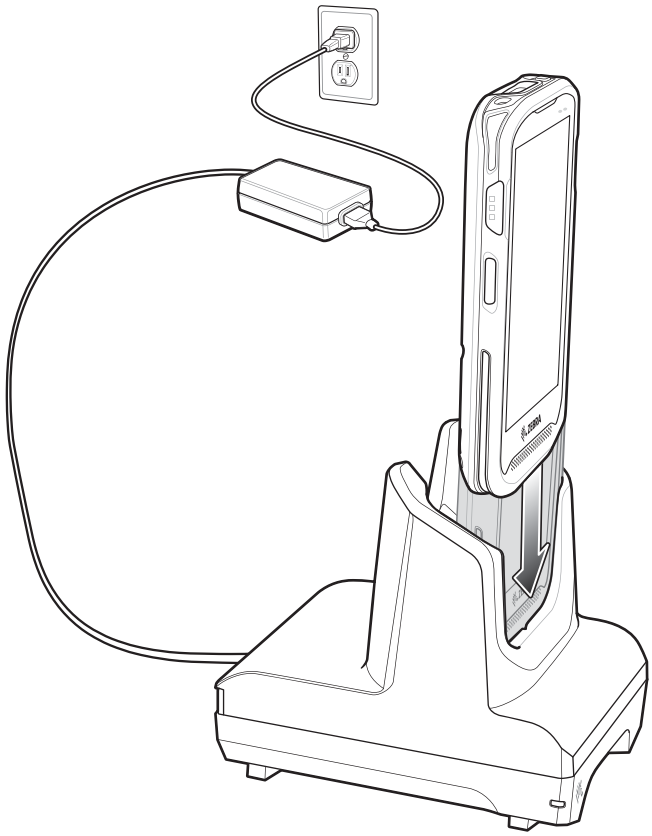
- TC20 battery
- Extended Power Pack
- TC20 and Extended Power Pack
- TC20 with Trigger Handle.



1-Slot Ethernet Cradle

The 1-Slot Ethernet Cradle:

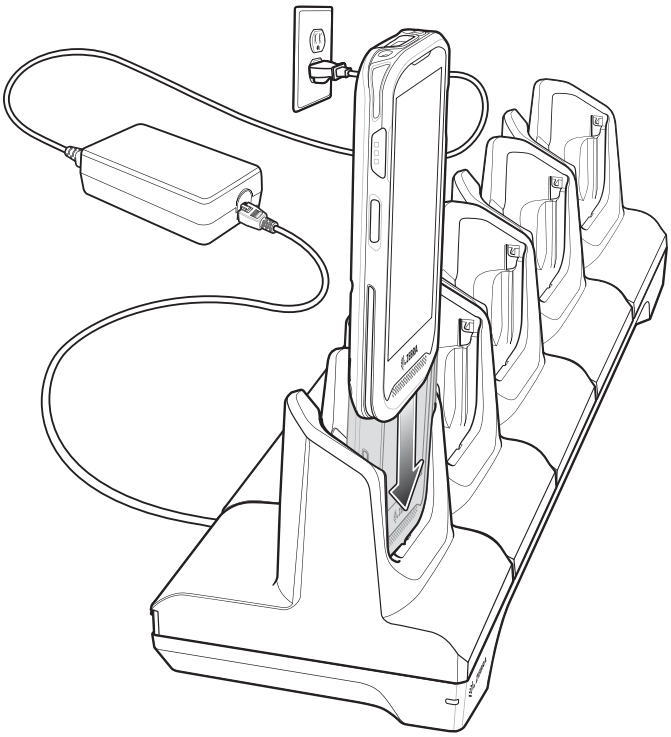
- Provides 5 VDC for charging:
  - TC20 battery
  - Extended Power Pack
  - TC20 and Extended Power Pack
  - TC20 with Trigger Handle.
- Provides USB communication.
- Provides Ethernet and USB communication using the USB/Ethernet Adapter.



5-Slot Charge Only Cradle

The 5-Slot Charge Only Cradle provides 5 VDC for charging:

- TC20 battery
- Extended Power Pack
- TC20 and Extended Power Pack
- TC20 with Trigger Handle.

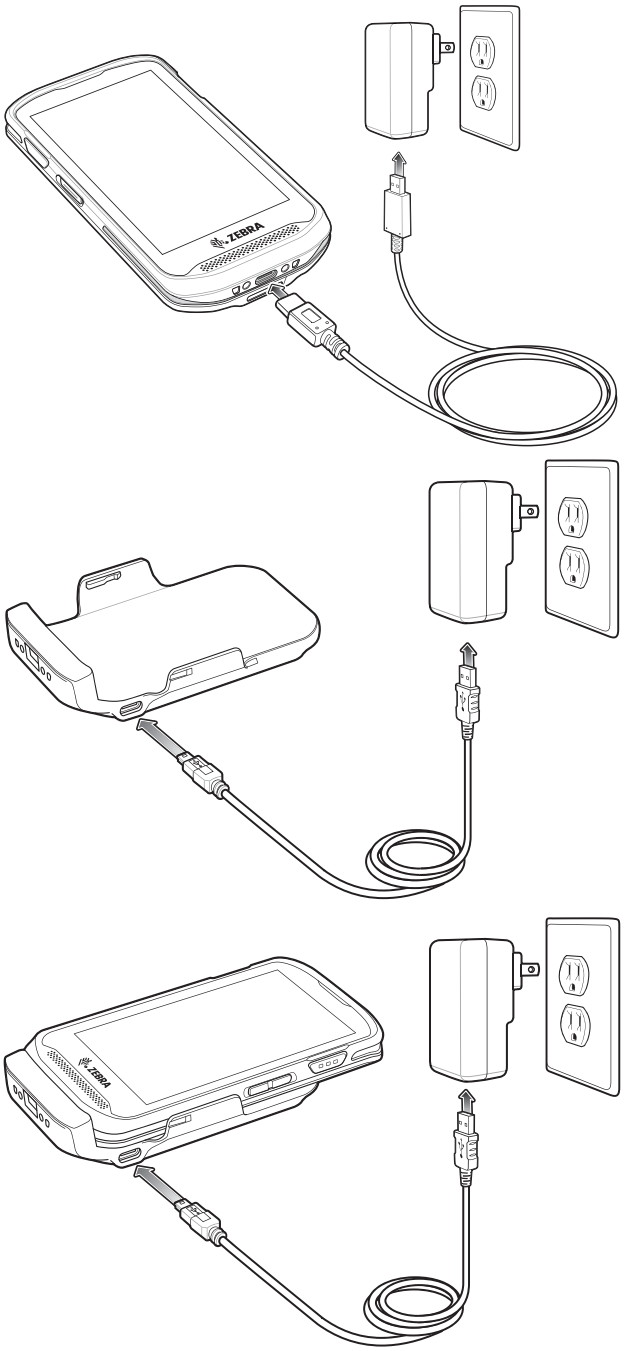


USB Cable

The USB Cable provides 5 VDC for charging:

- TC20 battery
- Extended Power Pack
- TC20 and Extended Power Pack.

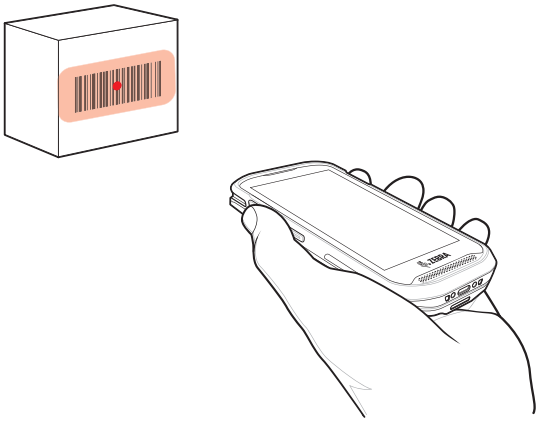
NOTE Use only Zebra USB-C cable for charging.



Data Capture

To read a barcode, a scan-enabled application is required. The TC20 contains the DataWedge application that allows the user to enable the imager, decode the barcode data and display the barcode content.

1. Ensure that an application is open on the TC20 and a text field is in focus (text cursor in text field).
2. Point the exit window on the top of the TC20 at a barcode.



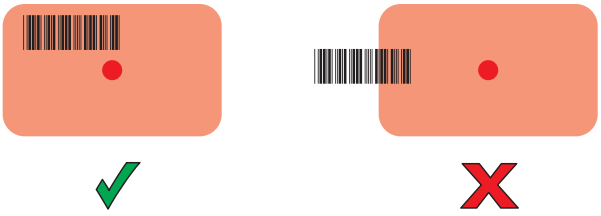
3. Press and hold the scan button.

   On devices with SE4710 imager, the red LED aiming pattern turns on to assist in aiming.

   On devices with SE2100 imager, the white LED aiming pattern turns on to assist in aiming.

NOTE Picklist Mode is only available on TC20 with SE4710 imager.
When the TC20 is in Picklist mode, the imager does not decode the barcode until the crosshair or aiming dot touches the barcode.

4. Ensure the barcode is within the area formed by the aiming pattern. On devices with SE4710 imager, the aiming dot is used for increased visibility in bright lighting conditions.



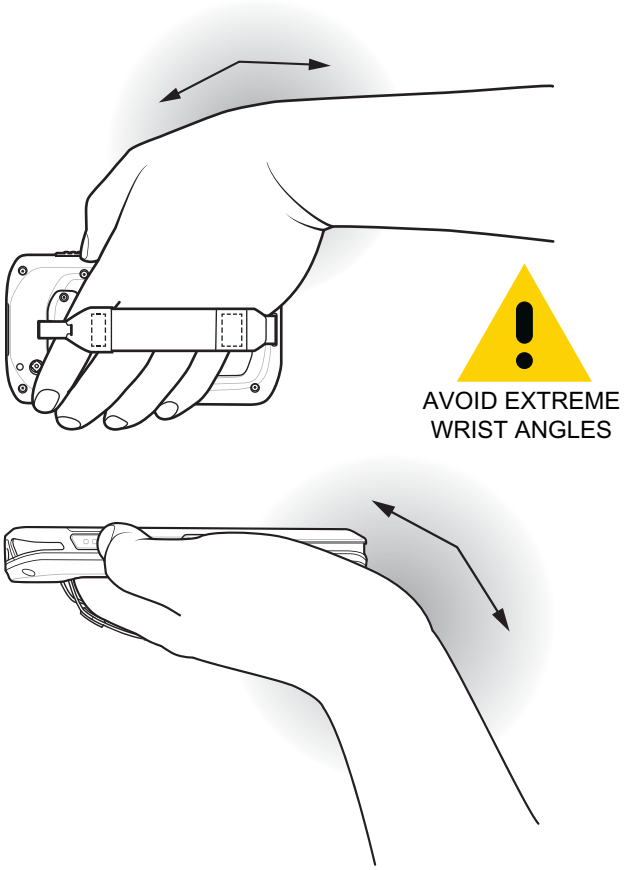
SE4710 Imager Decode Mode

SE2100 Imager Decode Mode

SE4710 Imager Picklist Mode

5. The Data Capture LED lights green and a beep sounds, by default, to indicate the barcode was decoded successfully.
6. Release the scan button.

NOTE Imager decoding usually occurs instantaneously. The TC20 repeats the steps required to take a digital picture (image) of a poor or difficult barcode as long as the scan button remains pressed. If the barcode can not be read within the timeout period the barcode imager engine turns off.

7. The barcode content data displays in the text field.

Ergonomics Recommendations