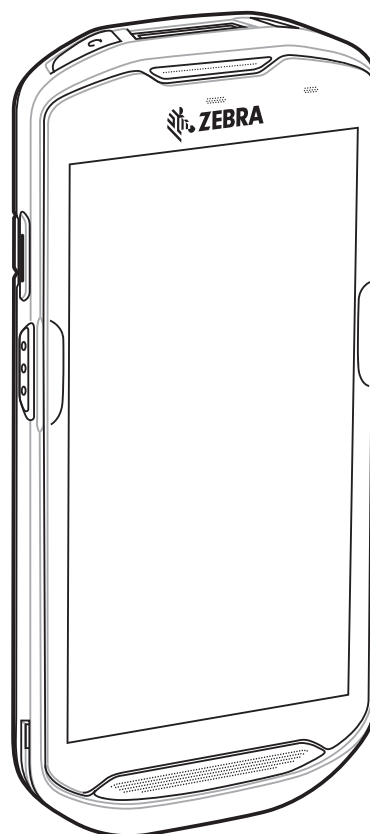




# TC56



## Touch Computer

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## Quick Start Guide

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## **Warranty**

For the complete Zebra hardware product warranty statement, go to: [www.zebra.com/warranty](http://www.zebra.com/warranty).

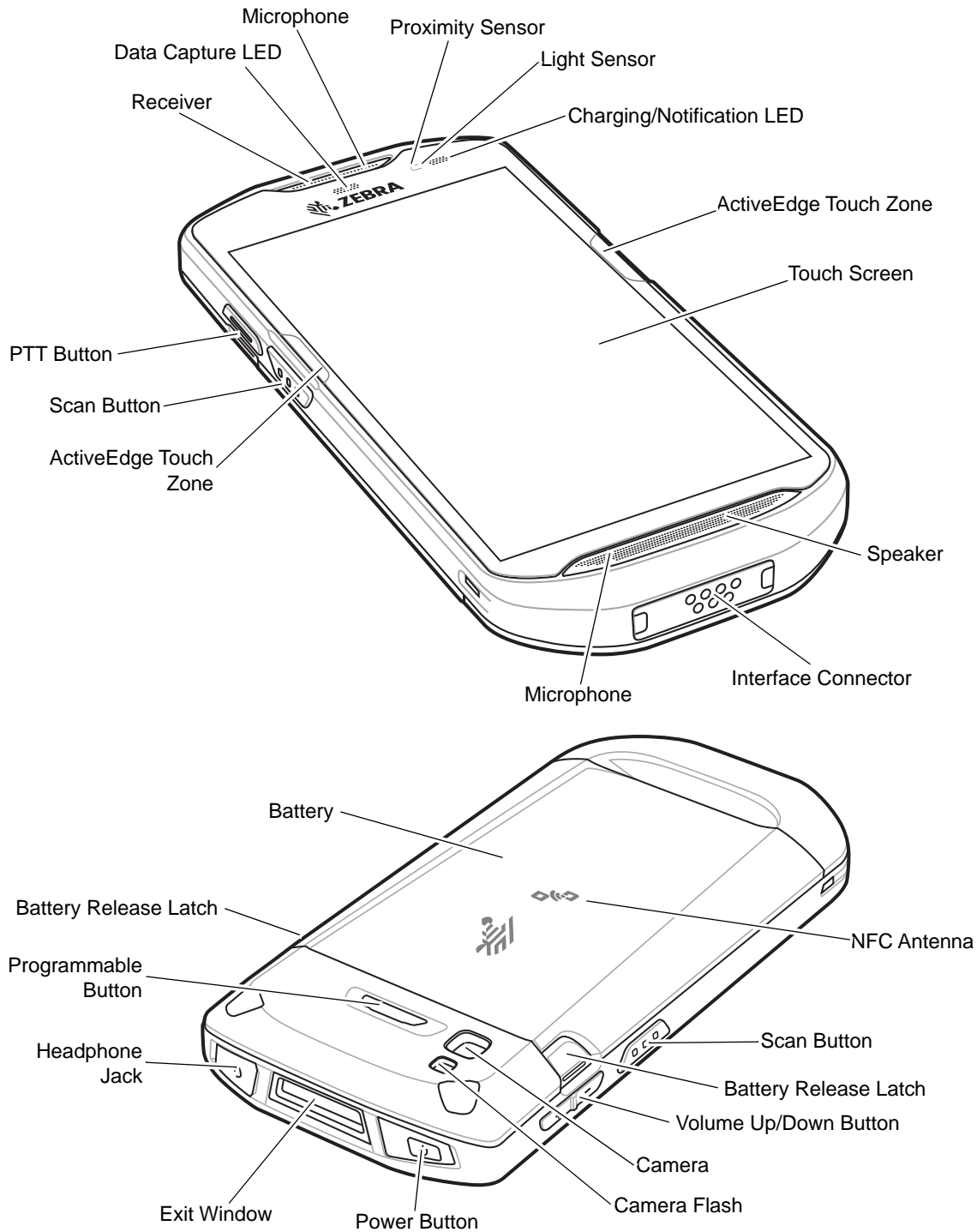
## **Service Information**

If you have a problem using the equipment, contact your facility's Technical or Systems Support. If there is a problem with the equipment, they will contact the Zebra Support at: <http://www.zebra.com/support>.

For the latest version of this guide go to: [www.zebra.com/support](http://www.zebra.com/support).

## Features

✓ **NOTE** ActiveEdge Touch Zone is available on builds BSP 19-01.4 and above.



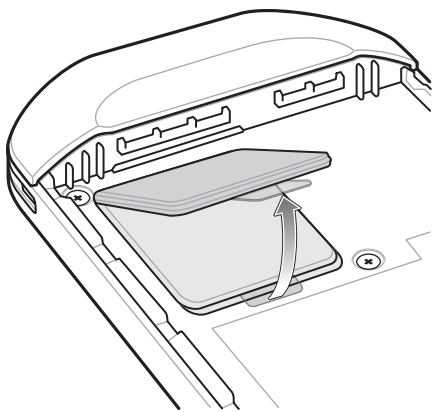
## Installing a microSD Card

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

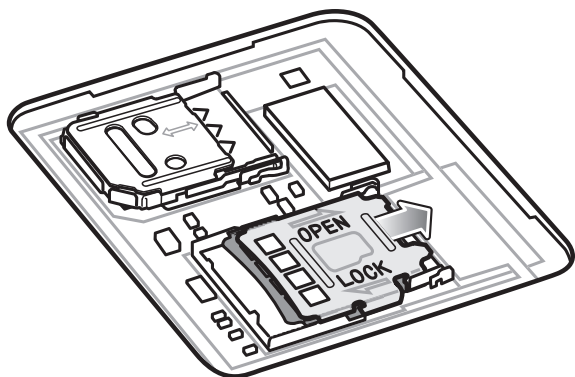


**CAUTION** Follow proper electrostatic discharge (ESD) precautions to avoid damaging the microSD card. Proper ESD precautions include, but are not limited to, working on an ESD mat and ensuring that the operator is properly grounded.

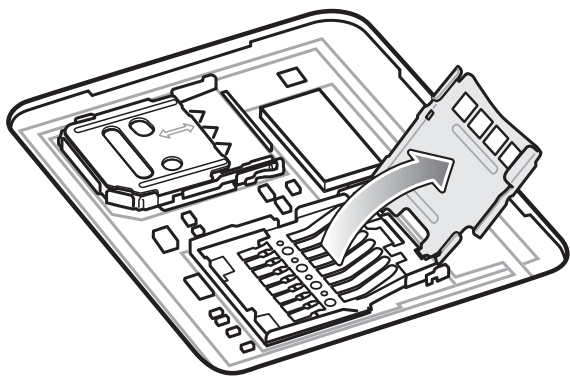
1. Lift the access door.



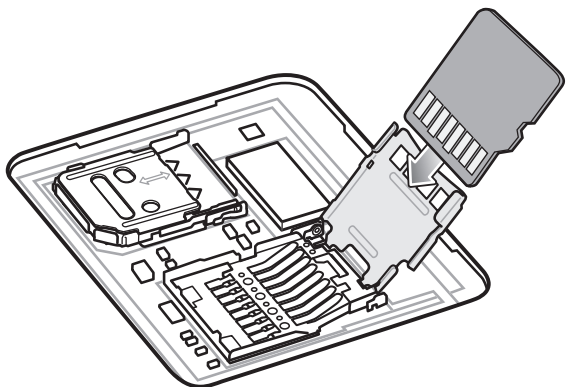
2. Slide the microSD card holder door to the Open position.



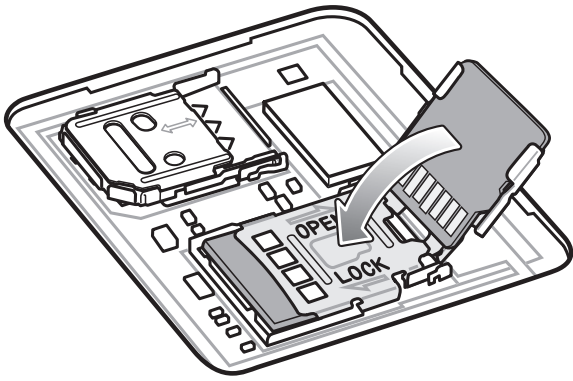
3. Lift the microSD card holder door.




4. Insert the microSD card into the card holder door ensuring that the card slides into the holding tabs on each side of the door.



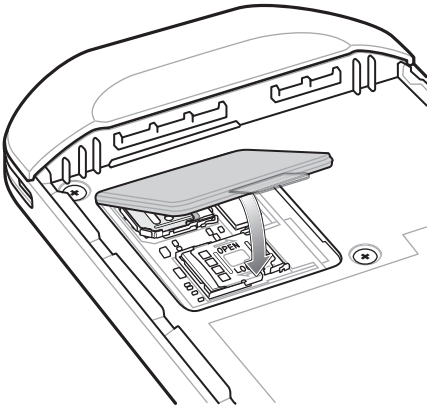
5. Close the microSD card holder door.




6. Slide the microSD card holder door to the Lock position.


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

7. Re-install the access door.

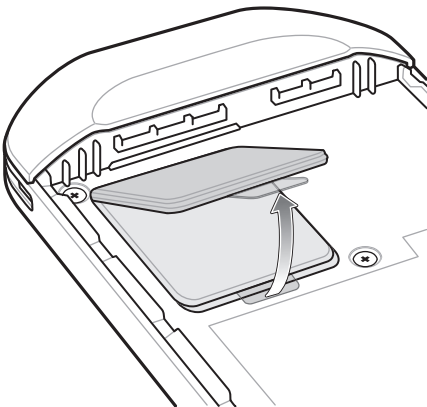


## Installing the SIM Card

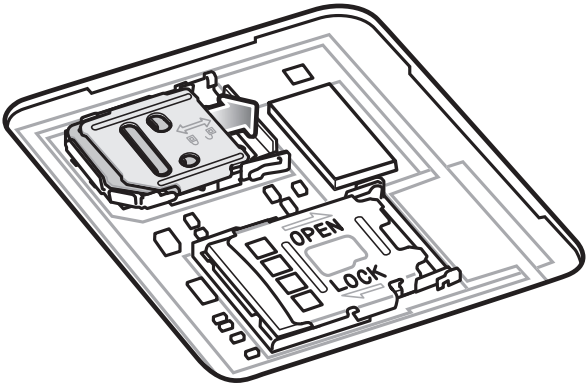
 **NOTE** Only use nano SIM cards.

 **CAUTION** For proper electrostatic discharge (ESD) precautions to avoid damaging the SIM card. Proper ESD precautions include, but not limited to, working on an ESD mat and ensuring that the user is properly grounded.

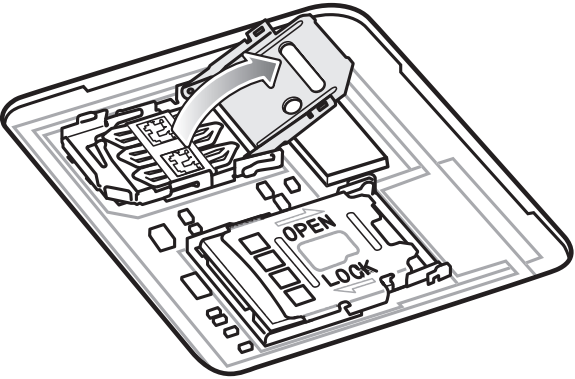
1. Remove access cover.



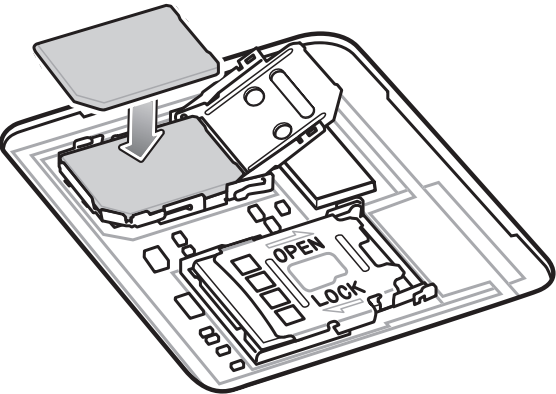
2. Slide the SIM card holder door to the unlock position.



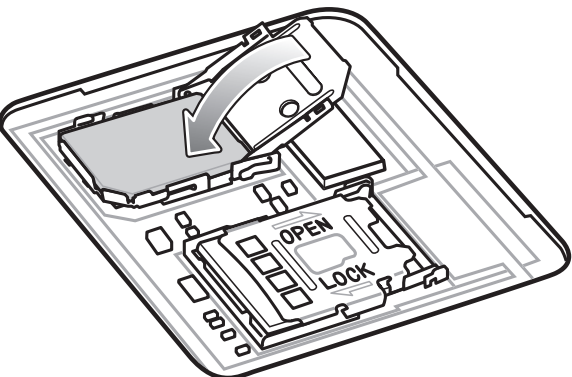
3. Lift the SIM card holder door.



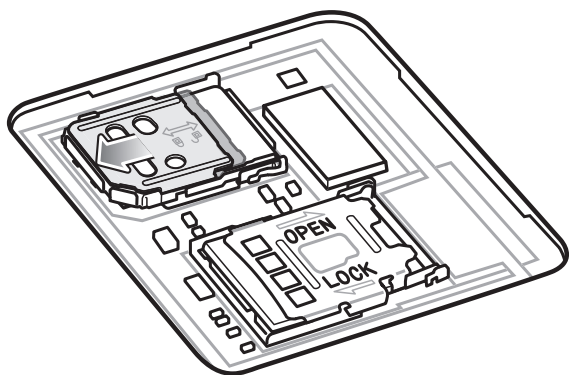
4. Place the nano SIM card into the card holder with contacts facing down.



5. Close the SIM card holder door.

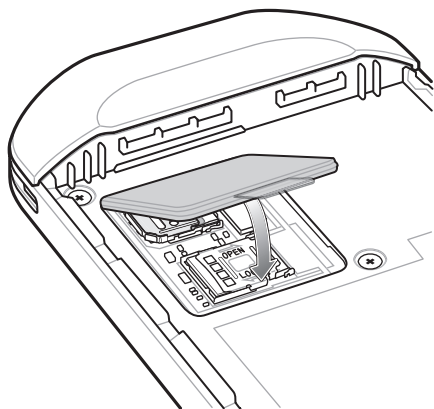


6. Slide to SIM card holder door to the lock position.



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

7. Re-install the access door.

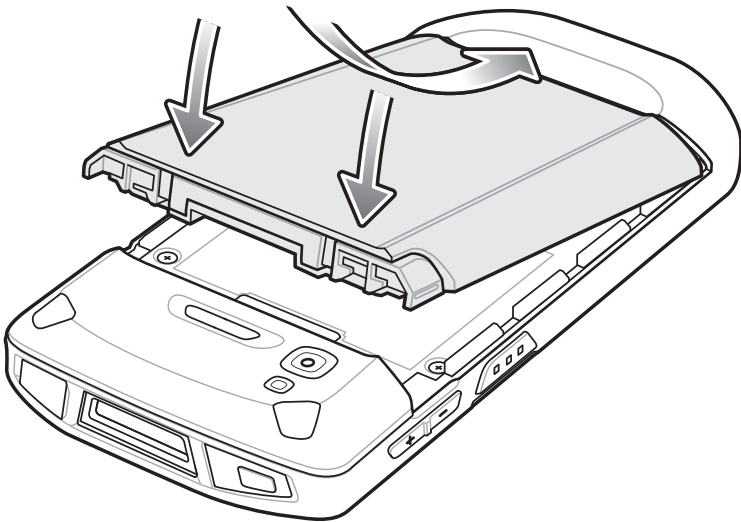


## Installing the Battery

✓ **NOTE** User modification of the device, particularly in the battery well, such as labels, asset tags, engravings, stickers, etc., may compromise the intended performance of the device or accessories. Performance levels such as sealing (Ingress Protection (IP)), impact performance (drop and tumble), functionality, temperature resistance, etc. could be effected. DO NOT put any labels, asset tags, engravings, stickers, etc. in the battery well.

To install the battery:

1. Insert the silver end of the battery into the battery well.
2. Press the battery down until it snaps into place.



## Charging the TC56

Use one of the following accessories to charge the TC56 and/or spare battery.

Table 1 Charging and Communication

Description	Part Number	Charging		Communication	
		Battery (In Device)	Spare Battery	USB	Ethernet
1-Slot USB/Charge Only Cradle Kit	CRD-TC51-1SCU-01	Yes	No	Yes	With Optional Module
5-Slot Charge Only Cradle Kit	CRD-TC51-5SCHG-01	Yes	No	No	No
4-Slot Charge Only Cradle with Battery Charger Kit	CRD-TC51-5SC4B-01	Yes	Yes	No	No
5-Slot Ethernet Cradle Kit	CRD-TC51-5SETH-01	Yes	No	No	Yes
4-Slot Battery Charger Kit	SAC-TC51-4SCHG-01	No	Yes	No	No
Rugged Charge/USB Cable	CBL-TC51-USB1-01	Yes	No	Yes	No

## Charging the TC56

✓ **NOTE** Ensure that you follow the guidelines for battery safety described in the *TC56 User Guide*.

1. To charge the main battery, connect the charging accessory to the appropriate power source.
2. Insert the TC56 into a cradle or attach to a cable. The TC56 turns on and begins charging. The Charging/Notification LED blinks amber while charging, then turns solid green when fully charged.



The battery ( $\geq 15.48$  Watt hours (typical) /  $\geq 4,150$  mAh) charges from fully depleted to 90% in approximately 2.5 hours and from fully depleted to 100% in approximately three hours. In many cases the 90% charge provides plenty of charge for daily use. A full 100% charge lasts for approximately 14 hours of use. To achieve the best fast charging results use only Zebra charging accessories and batteries. Charge batteries at room temperature with the TC56 in sleep mode.








Charging the Spare Battery

- 1. Insert a spare battery into the spare battery slot.
- 2. Ensure the battery is seated properly.

The Spare Battery Charging LED blinks indicating charging. See [Table 2](#) for charging indicators.

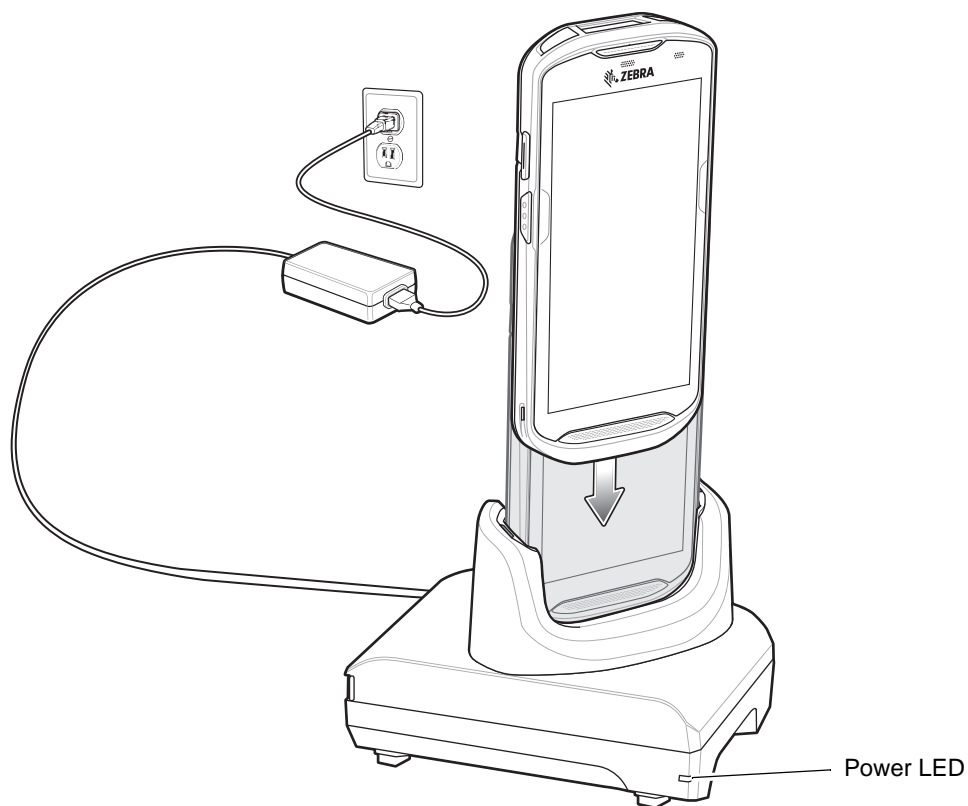
The battery ( $\geq 15.48$  Watt hours (typical) /  $\geq 4,150$  mAh) charges from fully depleted to 90% in approximately 2.5 hours and from fully depleted to 100% in approximately three hours. In many cases the 90% charge provides plenty of charge for daily use. A full 100% charge lasts for approximately 14 hours of use. To achieve the best charging results use only Zebra charging accessories and batteries.

Table 2 Charging/Notification LED Charging Indicators

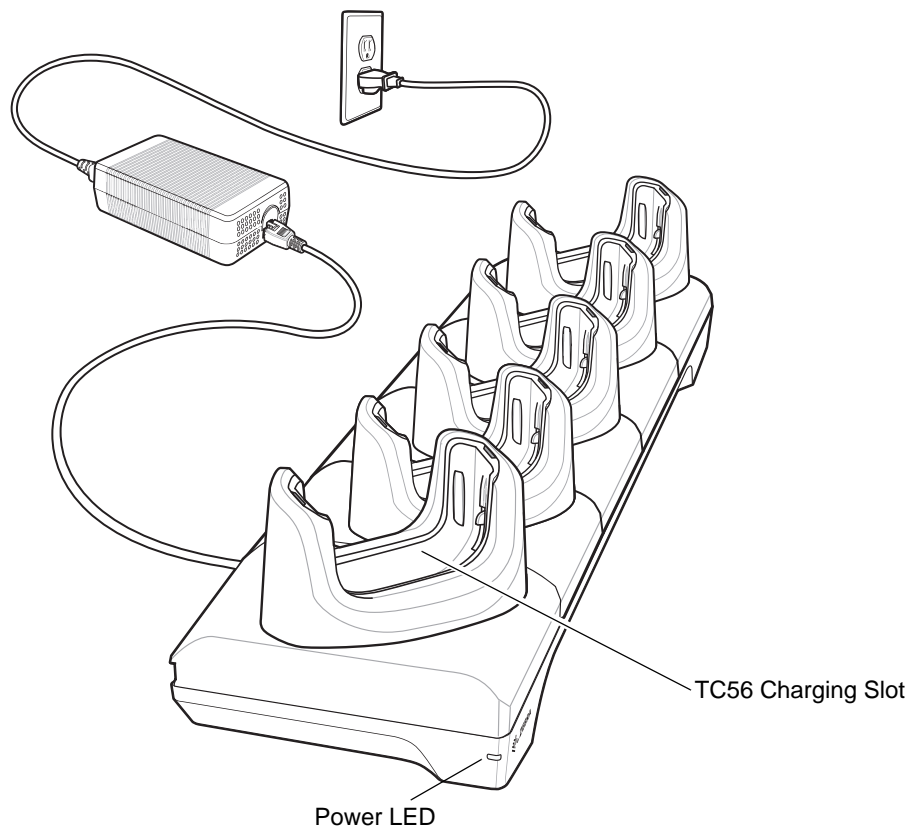
State	LED	Indication
Off		TC56 is not charging. TC56 is not inserted correctly in the cradle or connected to a power source. Charger/cradle is not powered.
Slow Blinking Amber (1 blink every 4 seconds)		TC56 is charging.
Slow Blinking Red (1 blink every 4 seconds)		TC56 is charging but the battery is at end of useful life.
Solid Green		Charging complete.
Solid Red		Charging complete but the battery is at end of useful life.
Fast Blinking Amber (2 blinks/second)		Charging error, e.g.: <ul style="list-style-type: none"><li>• Temperature is too low or too high.</li><li>• Charging has gone on too long without completion (typically eight hours).</li></ul>
Fast Blinking Red (2 blinks/second)		Charging error but the battery is at end of useful life., e.g.: <ul style="list-style-type: none"><li>• Temperature is too low or too high.</li><li>• Charging has gone on too long without completion (typically eight hours).</li></ul>

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.

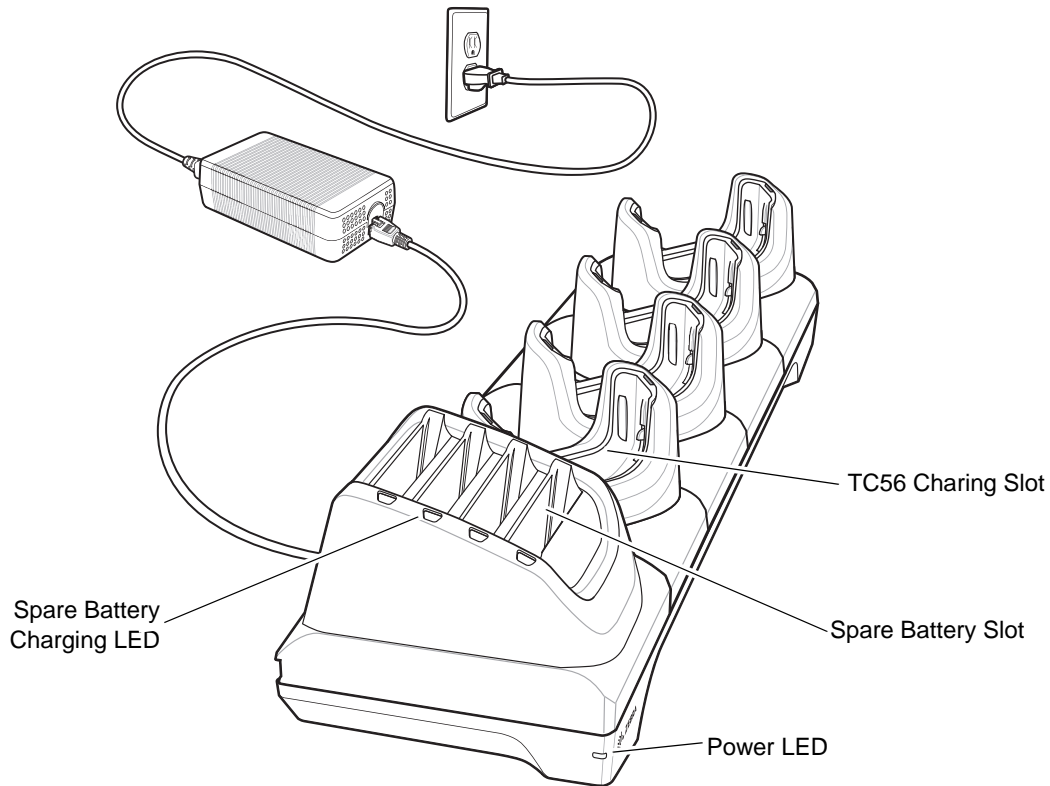
## 1-Slot USB Charging Cradle



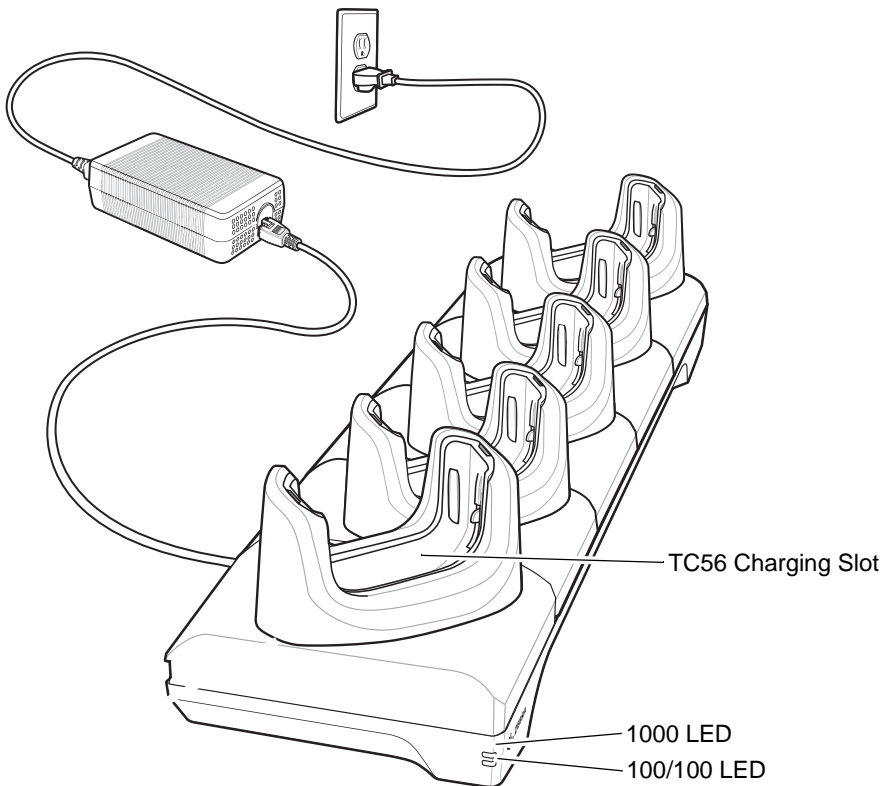
## 5-Slot Charge Only Cradle



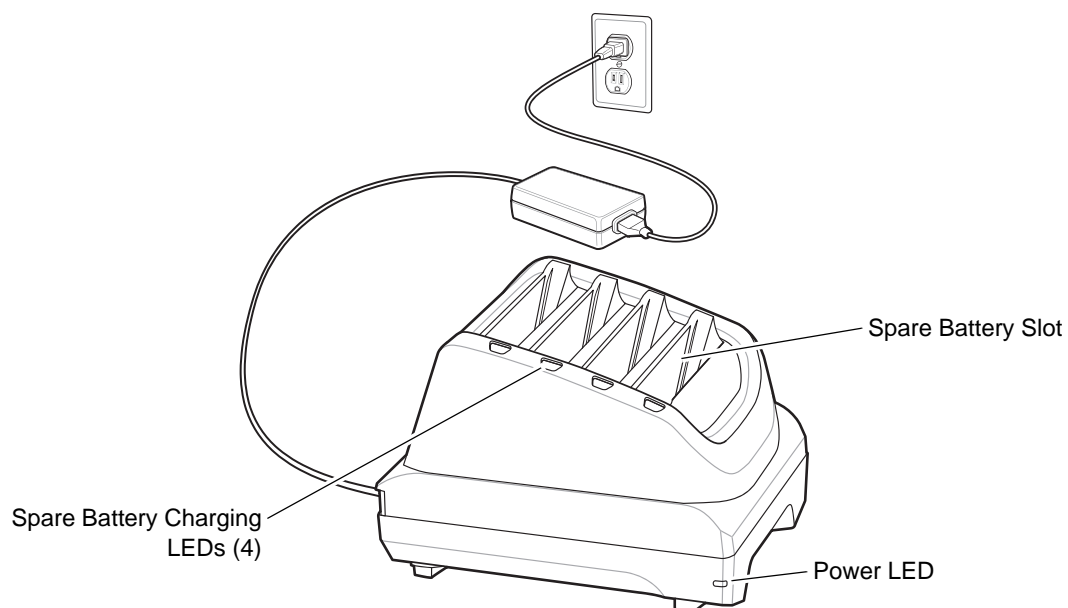
## 4-Slot Charge Only Cradle with Battery Charger



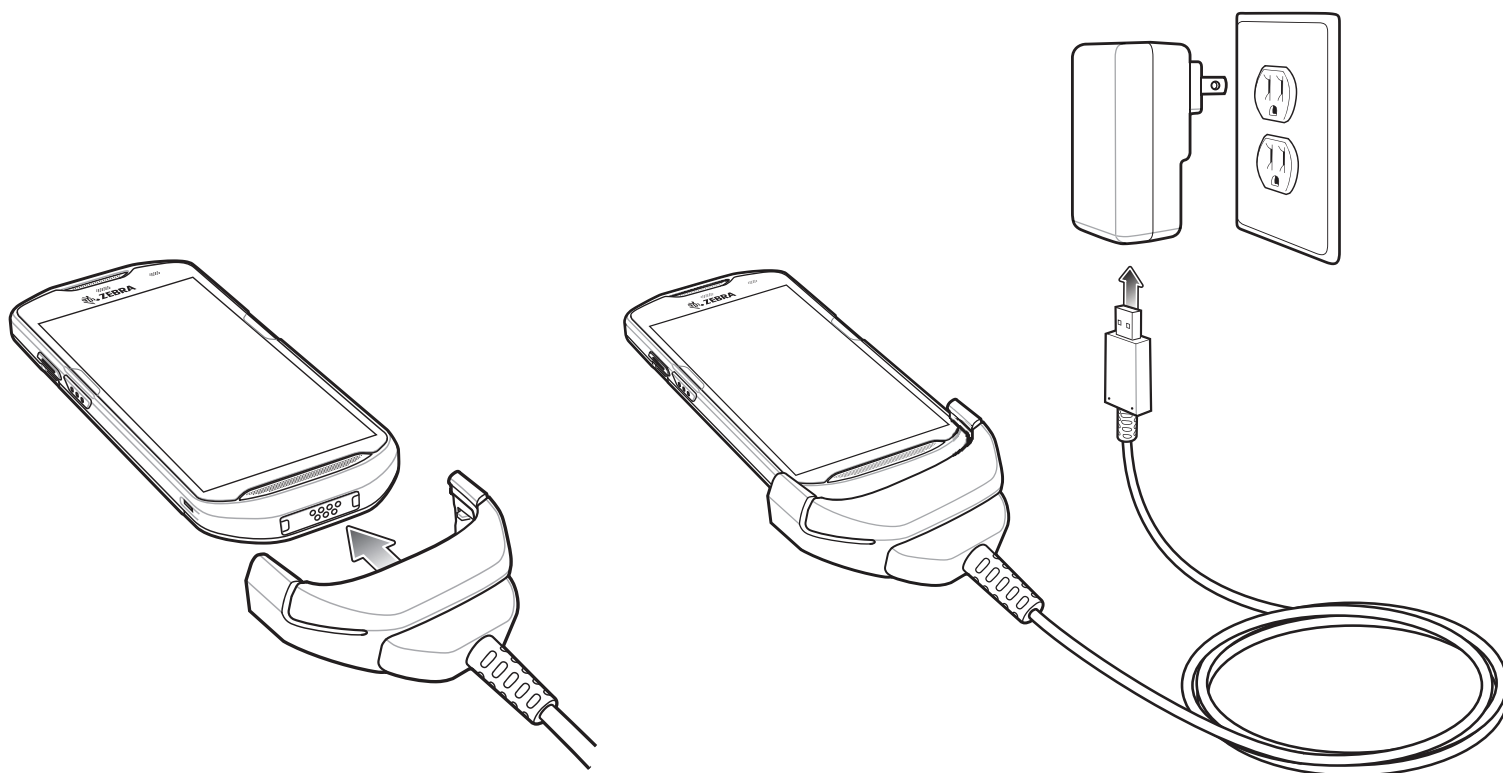
## 5-Slot Ethernet Cradle



## 4-Slot Battery Charger



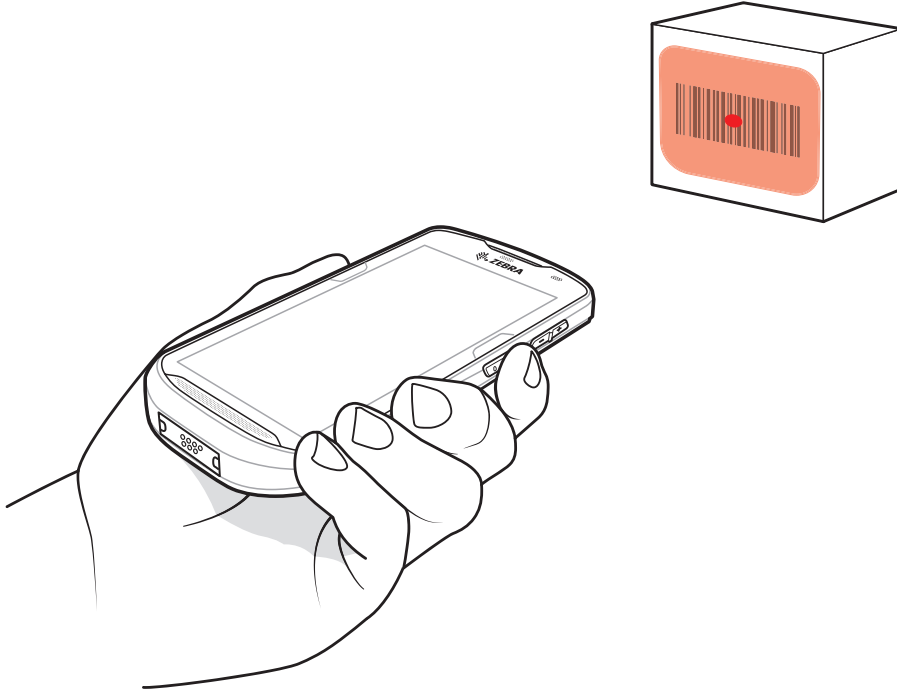
## Rugged Charge/USB Cable



## Scanning

To read a bar code, a scan-enabled application is required. The TC56 contains the DataWedge application that allows the user to enable the imager, decode the bar code data and display the bar code content.

1. Ensure that an application is open on the TC56 and a text field is in focus (text cursor in text field).
2. Point the exit window on the top of the TC56 at a bar code.



**Figure 1** *Imager Scanning*

3. Press and hold the scan button.

The red LED aiming pattern turns on to assist in aiming.

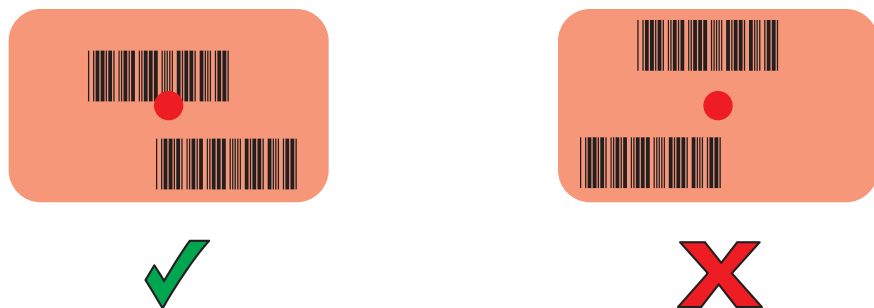


**NOTE** When the TC56 is in Picklist mode, the imager does not decode the bar code until the crosshair or aiming dot touches the bar code.

4. Ensure the bar code is within the area formed by the crosshairs in the aiming pattern. The aiming dot is used for increased visibility in bright lighting conditions.



**Figure 1-1** *Aiming Pattern*



**Figure 1-2** *Pick List Mode with Multiple Bar Codes in Aiming Pattern*

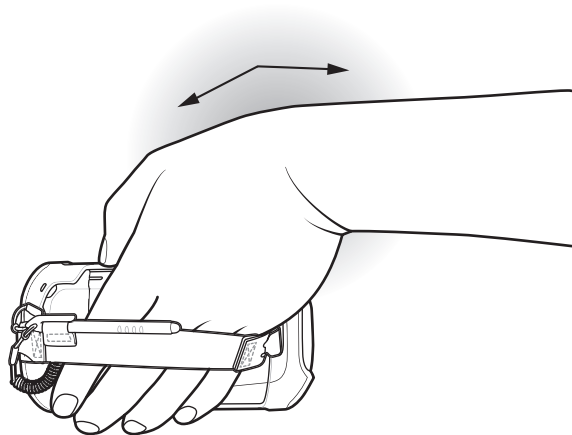
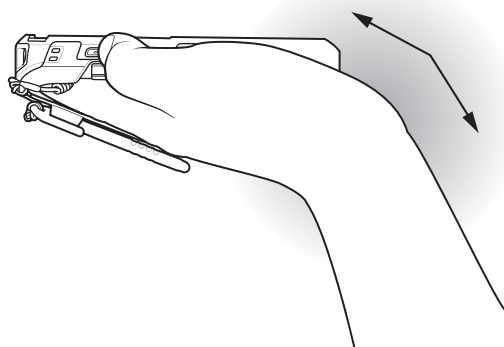
5. The Data Capture LED lights green and a beep sounds, by default, to indicate the bar code was decoded successfully.
6. Release the scan button.



**NOTE** Imager decoding usually occurs instantaneously. The TC56 repeats the steps required to take a digital picture (image) of a poor or difficult bar code as long as the scan button remains pressed.

7. The bar code content data displays in the text field.

## Ergonomic Considerations



AVOID EXTREME  
WRIST ANGLES



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[zebra.com](http://zebra.com)

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