TOUCH COMPUTER

TC101

Quick Start Guide

MN-005615-02EN Rev. A

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2026/10/16

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Model Numbers

This guide applies to the model numbers:

- TC1010 (WLAN)
- TC101B (WWAN)
- TC101J (WWAN)

Unpacking the TC101

This section describes how to unpack the TC101.

1. Carefully remove all protective material from the device and save the shipping container for later storage and shipping.
2. Verify that the following were received:
   - TC101 Touch Computer
   - PowerPrecision Lithium-ion battery
   - Regulatory Guide
3. Inspect the equipment for damage. If any equipment is missing or damaged, contact the Global Customer Support Center immediately.
4. Before using the device for the first time, remove the protective shipping film that covers the exit window, display, and camera window.

Features

This section lists the features of the TC101 touch computer.

Figure 1 Front View

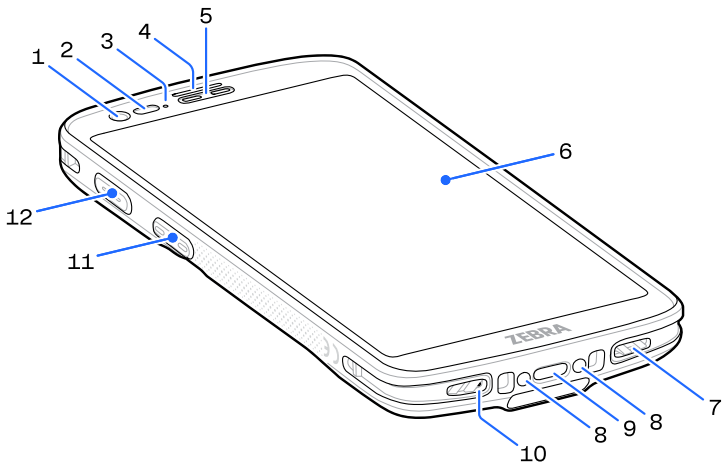


Table 1 Front View Features

Number	Item	Description
1	Front Camera	Takes photos and videos.
2	Proximity/Light Sensor	Determines proximity and ambient light for controlling display backlight intensity.
3	Charging/Notification LED	Indicates battery charging status while charging and application-generated notifications.
4	Scan LED	Indicates data capture status.
5	Speaker/Receiver	Provides audio playback in handset and speakerphone mode.
6	Touch Screen	Displays information needed to operate the device.
7	Speaker	Provides audio output for video and music playback. Provides audio in speakerphone mode.
8	Cradle Charging Contacts	Provides device charging via cradles and accessories.
9	USB-C Port	Provides charging (primarily) and data communication with peripherals.
10	Microphone	Used for communications in Handset mode.
11	Scanner Button	Initiates barcode scanning (programmable).
12	Programmable Button	Initiates a Push-to-Talk (PTT) call (programmable).

Figure 2 Rear View

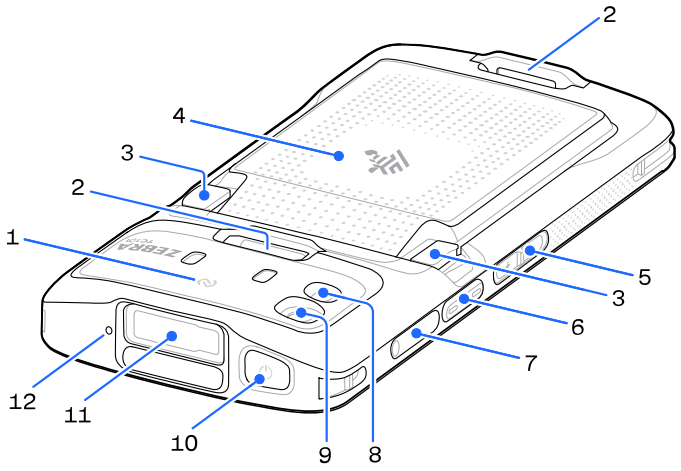


Table 2 Rear View Features

Number	Item	Description
1	NFC Antenna	Provides communication with other NFC-enabled devices.
2	Accessory Attachment Point	Provides a point for attaching optional accessories.
3	Battery Release Latches	Releases battery latches.
4	Battery	Provides power to the device.
5	Volume Up/Down Button	Increases and decreases audio volume (programmable).
6	Scanner Button	Initiates barcode scanning (programmable).
7	Card Holder	Holds a SIM card (WWAN) and an SD card.
8	Camera Flash	Provides illumination for the camera and operates as a flashlight.
9	Rear Camera	Takes photos and videos.
10	Power Button	Turns the display on and off. Press and hold to power off, restart, or lock the device.
11	Scanner Exit Window	Provides data capture using the imager.
12	Microphone	Used for communications in Speakerphone mode.

Setting Up the Device

This section describes setting up the TC101.

1. Install a micro Secure Digital (SD) card. (Optional)
2. Install two SIM cards or one SIM card and a micro Secure Digital (SD) card (WWAN only).
3. Install the battery.
4. Install the hand strap. (Optional)
5. Charge the device.
6. Power on the device.

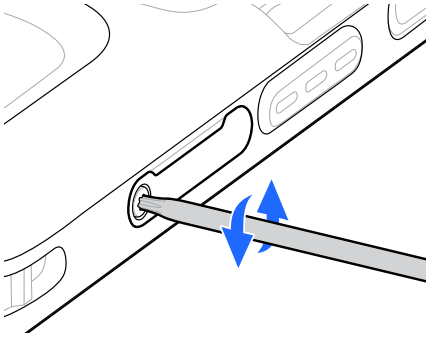
Installing the SIM Card

This section describes the steps to install a SIM card in your TC101.

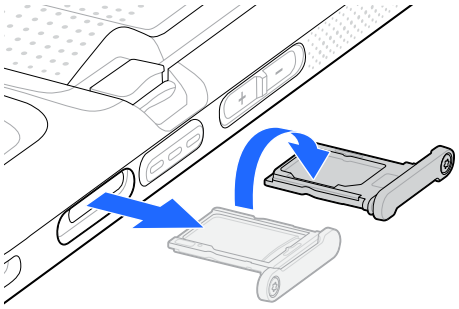
NOTE: WWAN only.

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

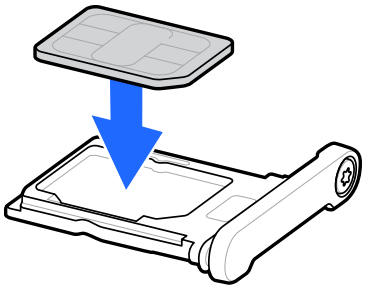
1. Power off the device.
2. Using a T5 Torx screwdriver, unscrew the Torx 5 screw to remove the card holder.



3. Pull the card holder out of the device, and flip it over.

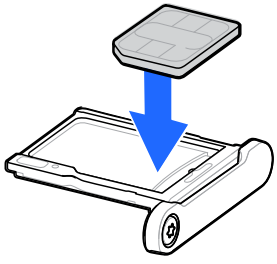


4. Place the SIM card into the card holder with the contacts facing up.



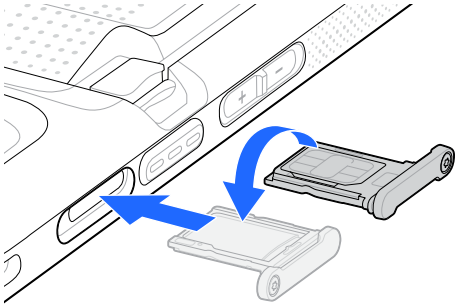
NOTE: Press the card down into the cardholder and ensure that it seats properly.

5. If you are using two SIM cards, flip the card holder over, and insert the second SIM card into the microSD card slot.

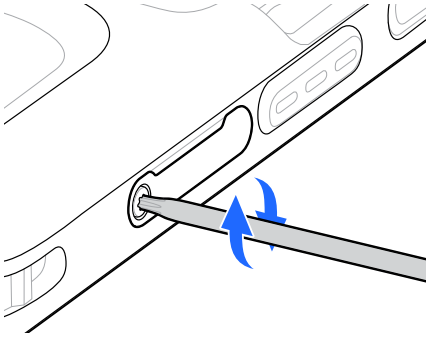


NOTE: Press the card down into the cardholder and ensure that it seats properly.

6. Flip over the card holder, and insert it back into the device.



7. Using a T5 Torx screwdriver, tighten the T5 Torx screw to a torque of 0.63 ± 0.08 kgf-cm (0.55 ± 0.07 lbf.in).

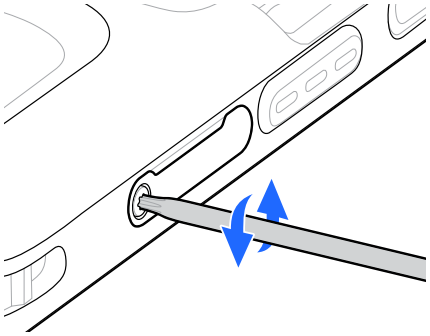


Installing the microSD Card

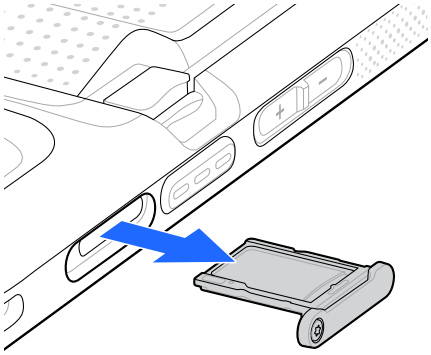
This section describes the steps to install a microSD card in your TC101.

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.

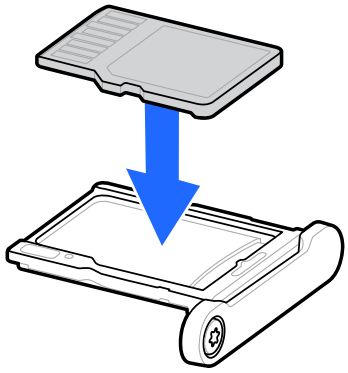
1. Power off the device.
2. Using a T5 Torx screwdriver, unscrew the Torx 5 screw to remove the card holder.



3. Pull the card holder out of the device.

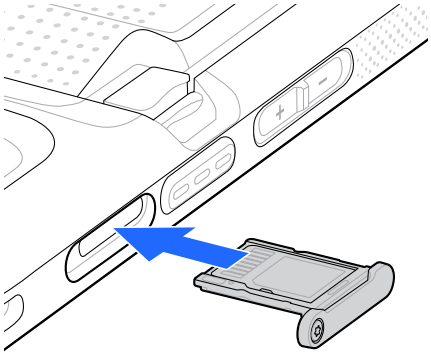


4. Place the microSD card into the card holder with the contacts facing up.

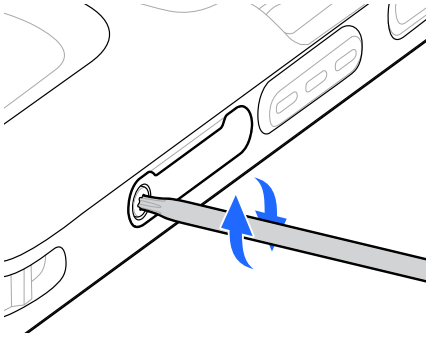


NOTE: Press the card down into the cardholder and ensure that it seats properly.

5. Insert the card holder back into the device.



6. Using a T5 Torx screwdriver, tighten the T5 Torx screw to a torque of 0.63 ± 0.08 kgf-cm (0.55 ± 0.07 lbf.in).

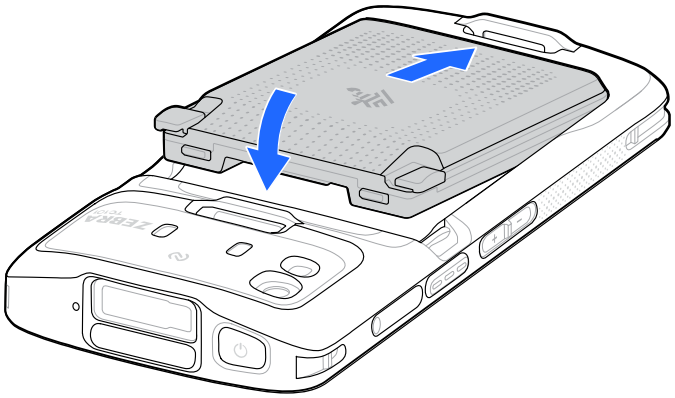


Installing the Battery

This section describes how to install the TC101 battery.

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

1. Insert the battery, bottom first, into the battery compartment in the back of the device.



2. Press the battery down into the device until the release latches click into place.

Charging the Device

Use only Zebra charging accessories and batteries to achieve optimal charging results. Charge batteries at room temperature with the device in Sleep mode.

The device goes into Sleep mode when you press Power or after a period of inactivity.

A battery charges from fully depleted to 90% in approximately 3 hours. In many cases, a 90% charge provides enough charge for daily use. Depending on the usage profile, a full 100% charge may last for approximately 14 hours of use.

The device or accessory always performs battery charging in a safe and intelligent manner and indicates when charging is disabled due to abnormal temperatures via its LED, and a notification appears on the device display.

The ambient charging temperature is 5°C to 40°C (41°F to 104°F).

Main Battery Charging

Before using the device for the first time, charge the main battery until the green Charging/Notification light-emitting diode (LED) remains lit. Use a cable or a cradle with the appropriate power supply to charge the device.

The following batteries are available:

- Standard 3,800 mAh PowerPrecision LI-ON Battery - part number: BTRY-TC2L-2XMAXX-01
- Extended 5,200 mAh PowerPrecision LI-ON Battery - part number: BTRY-TC2L-3XMAXX-01

  The device's Charging/Notification LED indicates the battery charging status in the device. The standard battery charges from fully depleted to 90% in under three hours. Charging details are as follows:

  - **Standard Battery:** Reaches 90% charge in approximately 3 hours.
  - **Extended Battery:** Reaches 90% charge in approximately 4 hours.

NOTE: Charge batteries at room temperature with the device in Sleep mode.

Table 3 Charging/Notification LED Charging Indicators

State	Indication
Off	Device is not charging. Device is not inserted correctly in the cradle or connected to a power source. Charger/ cradle is not powered.
Slow Blinking Amber (1 blink every four seconds)	Device is charging.
Slow Blinking Red (1 blink every four seconds)	Device is charging, but the battery is at the end of its useful life.
Solid Green	Charging complete.
Solid Red	Device is either charging or fully charged, but the battery is at end of useful life.
Fast Blinking Amber (two blinks/ second)	Charging error, for example: • Temperature is too low or too high. • Charging has gone on too long without completion (typically eight hours).

Table 3 Charging/Notification LED Charging Indicators (Continued)

State	Indication
Fast Blinking Red (two blinks/second)	Charging error but the battery is at the end of its useful life, for example: • Temperature is too low or too high. • Charging has gone on too long without completion (typically eight hours).

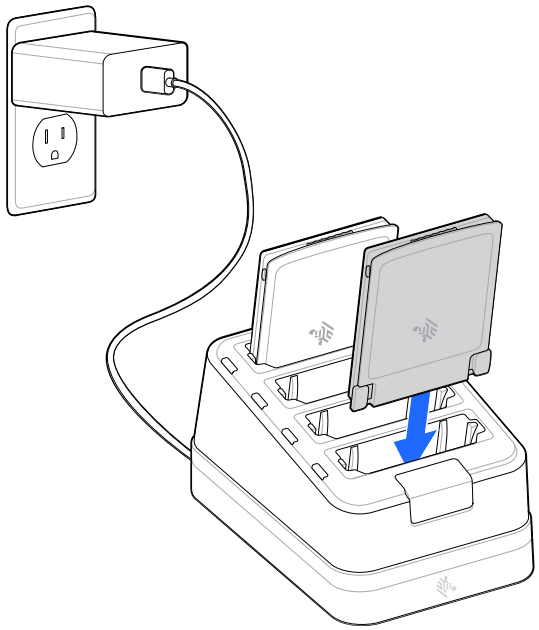
Charging Temperature

Charge batteries in temperatures from 5°C to 40°C (41°F to 104°F). The device or cradle always performs battery charging in a safe and intelligent manner. At higher temperatures (for example, approximately 37°C (98°F)), the device or cradle may, for short periods, alternately enable and disable battery charging to keep the battery at acceptable temperatures. The device and cradle indicate when charging is disabled due to abnormal temperatures via its LED.

Charging the Spare Battery

This section provides information on charging a spare battery. Use only Zebra charging accessories and batteries to achieve optimal charging results.

1. Insert a spare battery into the spare battery slot.



2. Ensure the battery is seated properly.

   The battery charges from fully depleted to 90% in approximately 4 hours. In many cases, the 90% charge provides enough for daily use. Depending on the usage profile, a full 100% charge may last approximately 14 hours.

Spare Battery LED Charging Indicators

The charging/notification LED indicates charging status.

Table 4 Charging/Notification LED Charging Indicators

Status	Indications
Solid Amber	Device is charging.
Solid Green	Charging complete.
Fast Blinking Red (two blinks/second)	Charging error, but the battery is at the end of useful life, for example: • Temperature is too low or too high. • Charging has gone on too long without completion (typically 12 hours).
Off	Device is not charging. Device is not inserted correctly in the cradle or connected to a power source. Charger/cradle is not powered.

Charging Accessories

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

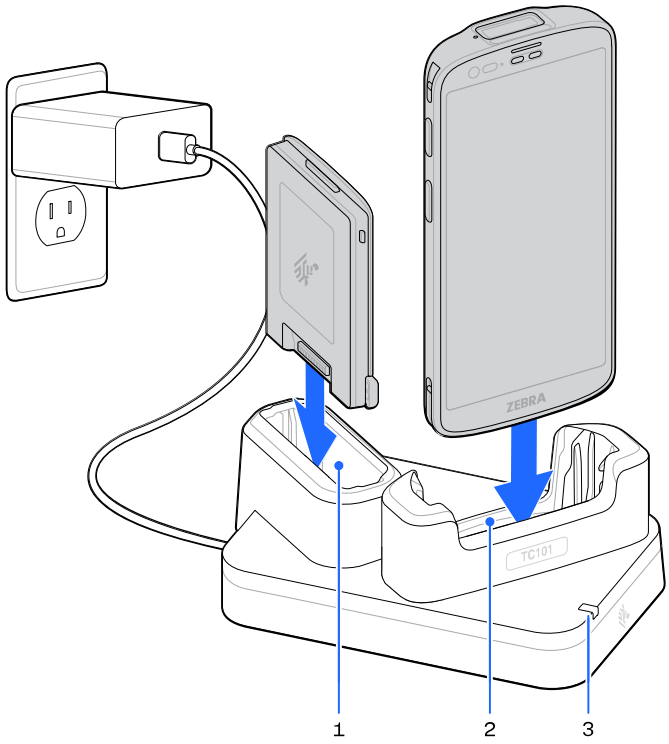
Description	Part Number	Charging		Communication	
		Battery (In device)	Spare Battery	USB	Ethernet
1-Slot Charging ShareCradle for Device without Rugged Boot and Spare Battery	CRD-TC1A-1D1B	Yes	Yes	No	No
1-Slot Charging ShareCradle for Device with Rugged Boot and Spare Battery	CRD-TC1AB-1D1B	Yes	Yes	No	No
4-Slot Battery Charger	SAC-TCVT-4B	No	Yes	Yes	No

1-Slot Charging ShareCradle for Device without Rugged Boot and Spare Battery

This section shows the 1-Slot Charging ShareCradle for Device without Rugged Boot and Spare Battery, which provides charging for a single device and a spare battery.

CAUTION: Ensure that you follow the guidelines for battery safety described in the Product Reference Guide.

Figure 3 1-Slot Charging ShareCradle for Device without Rugged Boot and Spare Battery



1	Spare Battery Slot
2	Device Slot
3	Spare Battery Charging LED

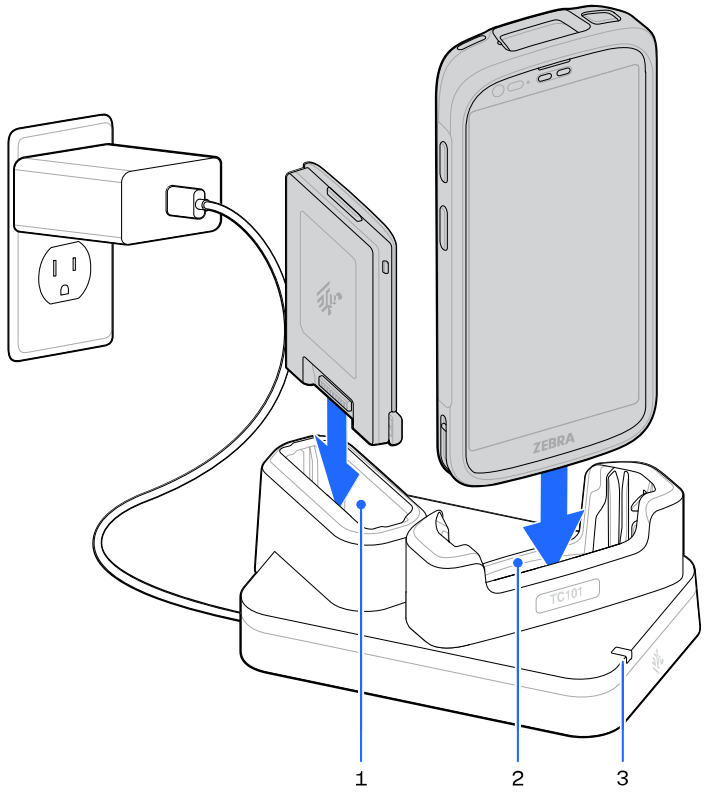
NOTE: Insert the device and battery properly in the slot to charge it.

1-Slot Charging ShareCradle for Device with Rugged Boot and Spare Battery

This section shows the 1-Slot Charging ShareCradle for Device with Rugged Boot and Spare Battery, which provides charging for a single device equipped with a rugged boot and a spare battery.

CAUTION: Ensure that you follow the guidelines for battery safety described in the Product Reference Guide.

Figure 4 1-Slot Charging ShareCradle for Device with Rugged Boot and Spare Battery



1	Spare Battery Slot
2	Device Slot
3	Spare Battery Charging LED

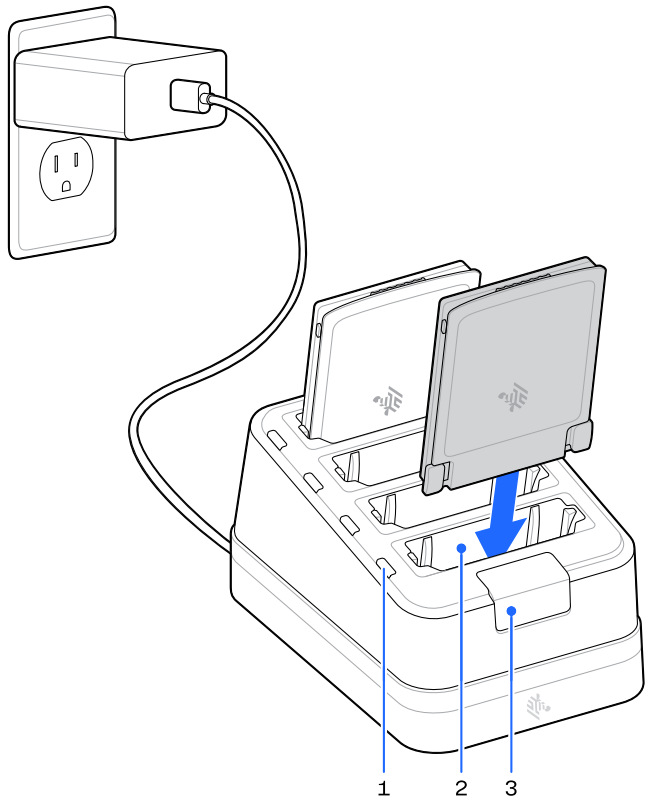
NOTE: Insert the device and battery properly in the slot to charge it.

4-Slot Battery Charger

This section shows the 4-Slot Battery Charger, which provides charging for up to four device batteries, often in less than four hours, while preventing overcharging.

CAUTION: Ensure that you follow the guidelines for battery safety described in the Product Reference Guide.

Figure 5 4-Slot Battery Charger



1	Battery Charging LED
2	Battery Slot
3	Firmware Update Port

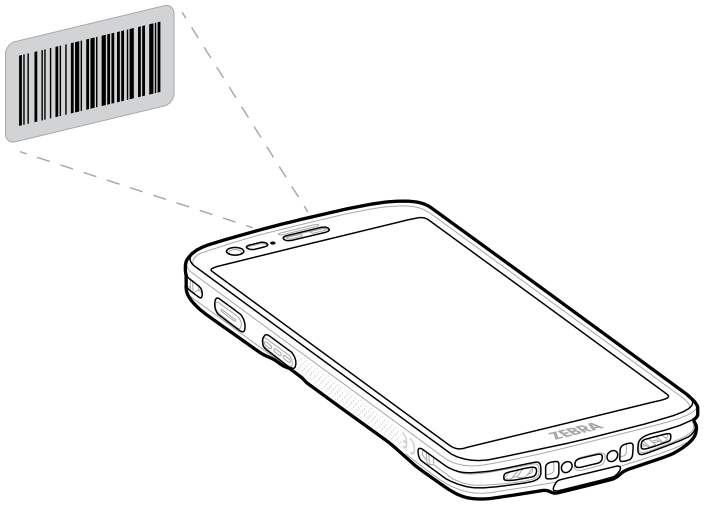
NOTE: Insert the battery properly in the slot to charge it.

Scanning with the Device

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

NOTE: The SE4100 imager displays the green dot LED aimer, while the SR500 imager displays a yellow dot LED aimer, and the SR560 imager display a red dot laser aimer.

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



3. Press and hold the scan button.

   The device projects the aiming pattern.

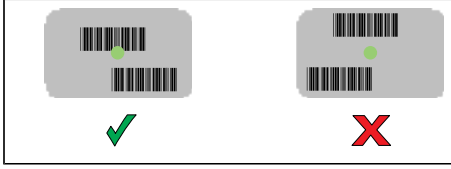
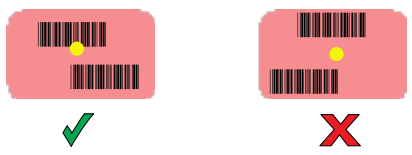
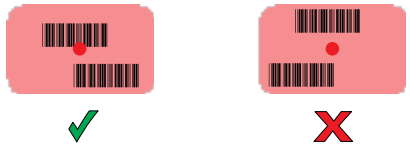
   NOTE: When the device is in Pick List Mode, the device does not decode the barcode until the center of the aimer touches the barcode.

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

Table 5 Aiming Patterns

SE4100	SR500	SR560
		

Table 6 Pick List Mode with Multiple Barcodes in Aiming Patterns

SE4100	SR500	SR560
		

By default, the scanner emits a beep to indicate that the QR code is successfully decoded.

NOTE: The data capture for the SE4100 imager has a green LED aimer, the SR500 imager has a yellow LED aimer, and the SR560 imager has a red laser aimer.

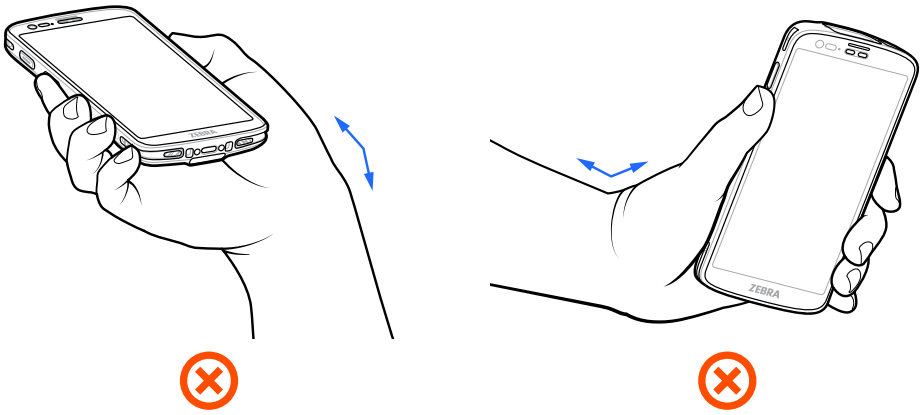
5. Release the scan button.

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

The barcode content data displays in the text field.

Ergonomic Considerations

Avoid extreme wrist angles such as these when using the device.



Service Information

If you have a problem with your equipment, contact Zebra Global Customer Support for your region.

Contact information is available at: zebra.com/support. When contacting support, have the following information available:

- Serial number of the unit
- Model number or product name
- Software/firmware type and version number

Zebra responds to calls through email, telephone, or fax within the time limits predefined in support agreements.

If your problem cannot be solved by Zebra Customer Support, you may need to return your equipment for servicing and will be given specific directions. Zebra is not responsible for any damages incurred during shipment if the approved shipping container is not used. Shipping the units improperly can possibly void the warranty.

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