TOUCH COMPUTER

TC201

Quick Start Guide

MN-005651-02EN Rev. A

Zebra Technologies | 3 Overlook Point | Lincolnshire, IL 60069 USA
zebra.com

2026/10/08

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Model Number

This guide applies to model numbers:

- TCW010 (WLAN)
- TCW011 (WLAN)
- TCW01G (WWAN)
- TCW01C (WWAN)
- TCW01D (WWAN)
- TCW01R (WWAN)

Unpacking the TC201

This section describes how to unpack the TC201.

1. Carefully remove all protective material from the device and save the shipping container for later storage and shipping.
2. Verify the following items are in the box:
   - TC201 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 display and camera window.

Device Features

This section lists the features of the touch computer.

Figure 1 Front and Side Views

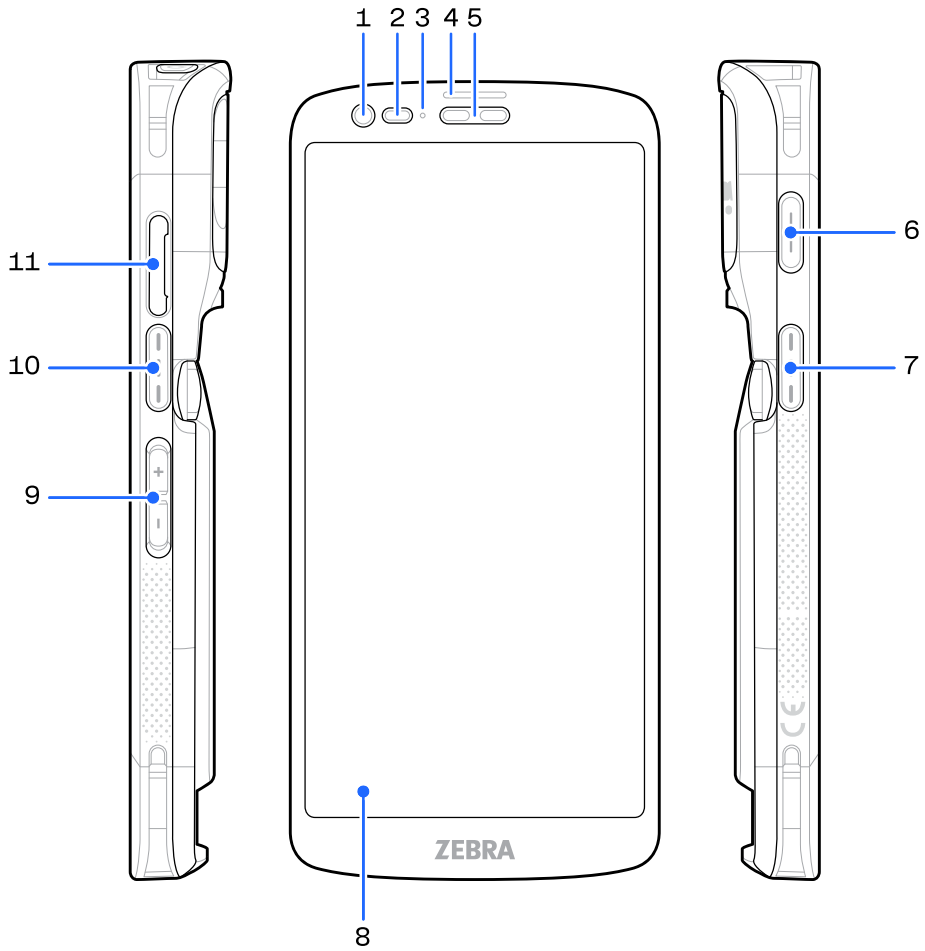


Table 1 Front and Side Views

Number	Item	Description
1	5 MP 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	Data Capture LED	Indicates data capture status.
5	Speaker/Receiver	Provides audio playback in handset and speakerphone mode.

Table 1 Front and Side Views (Continued)

Number	Item	Description
6	Programmable Button	Supports Push-to-Talk communications. Where regulatory restrictions exist[1] for Push-to-Talk VoIP communication, this button is configurable for use with other applications.
7	Scanner Button	Initiates data capture (programmable).
8	Touch Screen	Displays information needed to operate the device.
9	Volume Up/Down Button	Increases and decreases audio volume (programmable).
10	Scanner Button	Initiates data capture (programmable).
11	Card Holder	Holds a SIM card and a microSD card.

[1] Pakistan, Qatar

Figure 2 Back and Top Views

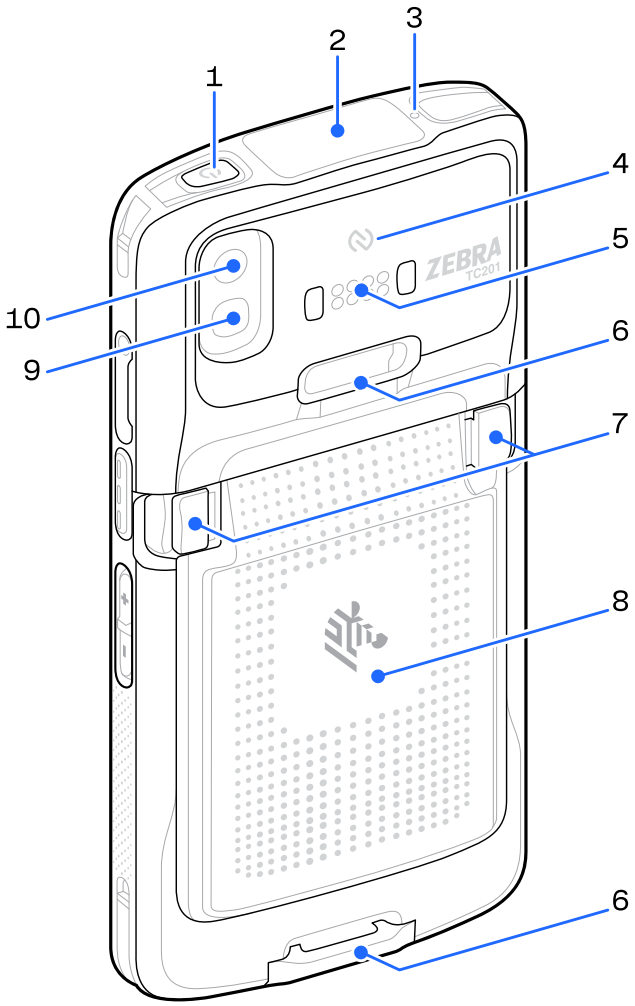


Table 2 Back and Top Views

Number	Item	Description
1	Power Button	Turns the display on and off. Press and hold to reset the device or power it off.
2	Scanner Exit Window	Provides data capture using the imager.
3	Microphone	Increases and decreases audio volume (programmable).
4	NFC Antenna	Provides communication with other NFC-enabled devices.
5	8-Pin I/O Connector	Enables data input and output.
6	Hand Strap Mount	Provides a mounting point for the Basic Hand Strap accessory.

Table 2 Back and Top Views (Continued)

Number	Item	Description
7	Battery Release Latches	Press to remove the battery.
8	PowerPrecision Lithium-ion Battery	Provides power to the device.
9	Camera Flash	Provides illumination for the camera and operates as a flashlight.
10	16 MP Rear Camera	Takes photos and videos.

Figure 3 Bottom View

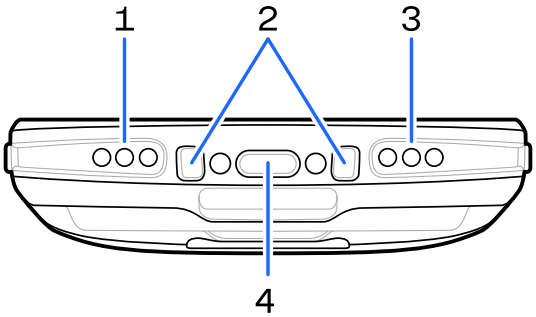


Table 3 Bottom View Features

Number	Item	Description
1	Microphone	Provides audio communications in handset mode.
2	Cradle Charging Contacts	Provides device charging via cradles and accessories.
3	Speaker	Provides audio output for video and music playback. Provides audio in speakerphone mode.
4	USB-C Connector	Provides USB host, client communications, and device charging via cables and accessories.

Setting Up the Device

This section explains how to set up your device for a smooth and quick start.

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.
3. Install the battery.
4. Charge the device.
5. Power on the device.

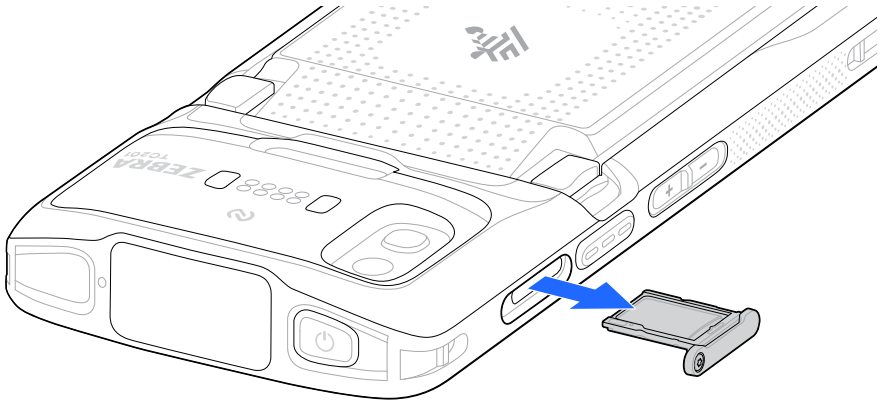
Installing a SIM Card

This section describes the steps to install a SIM card in your TC201.

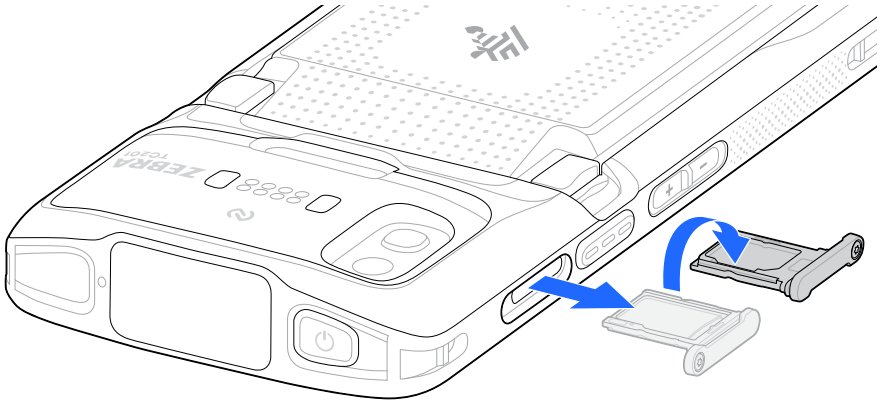
NOTE: Only use a nano SIM card.

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.

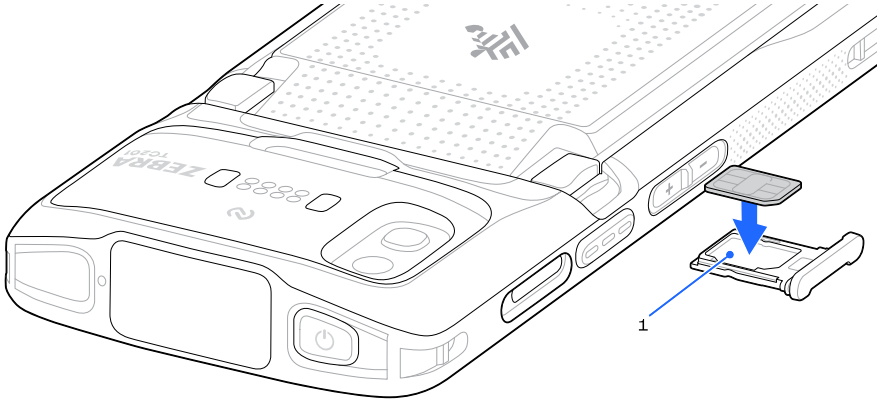
1. Power off the device.
2. Pull the card holder out of the device.



3. Flip the card holder.

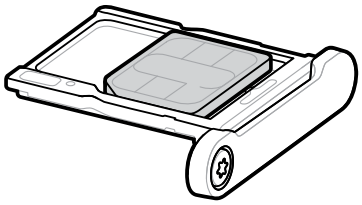


4. Insert the nano SIM card (1) at the bottom of the tray with the contacts facing up.

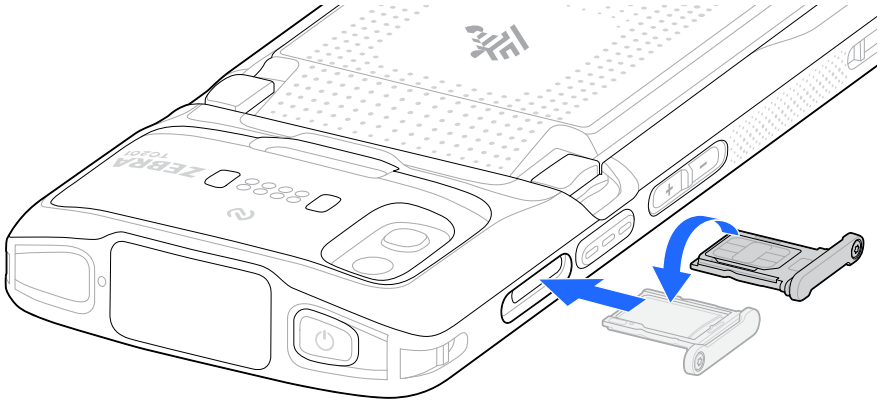


NOTE: Press the card down into the card holder and ensure that it seats properly.

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



5. Flip the card holder and Insert it into the device.

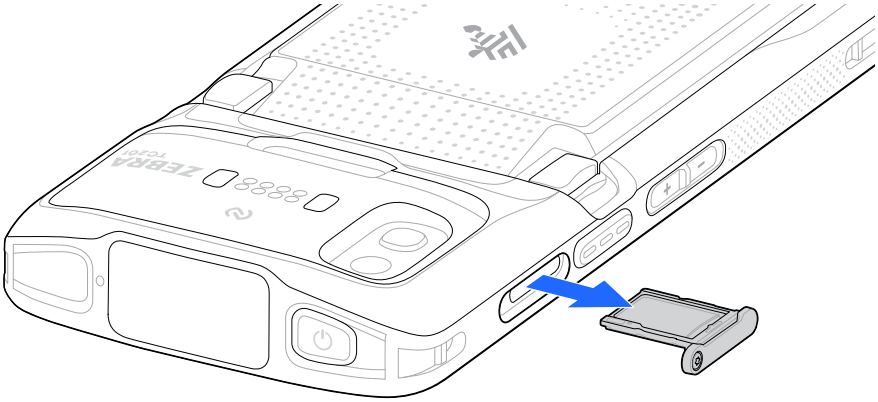


Installing the MicroSD Card

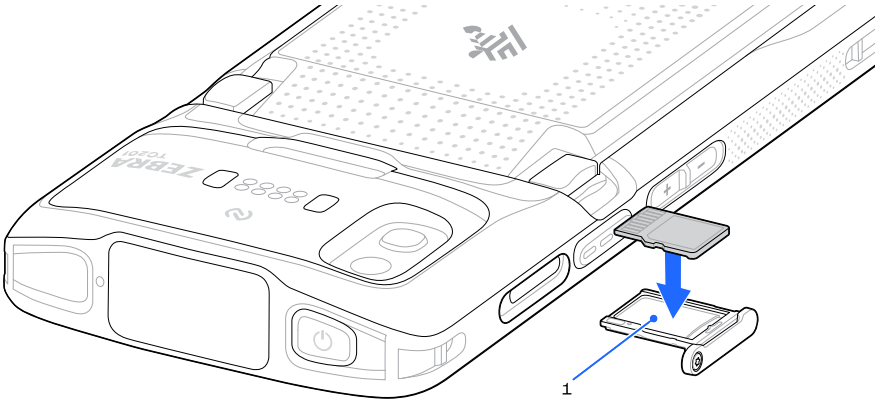
This section describes the steps to install a microSD card in your TC201.

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. Pull the card holder out of the device.

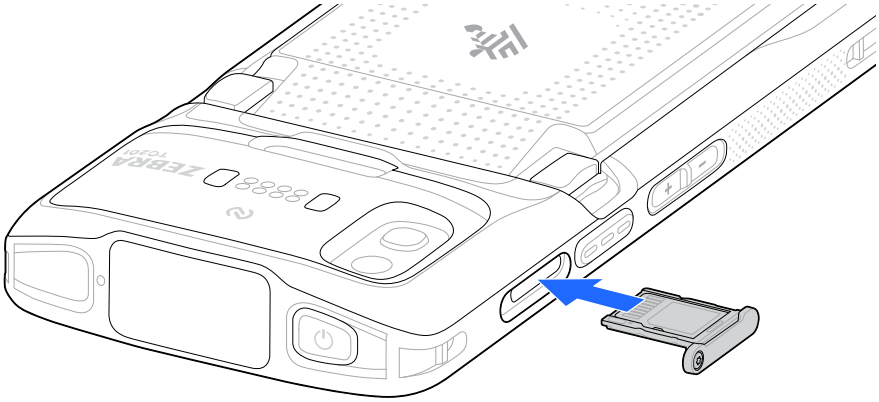


3. Place the microSD card (1) into the card holder with the contacts facing up



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

4. Insert the card holder back into the device.

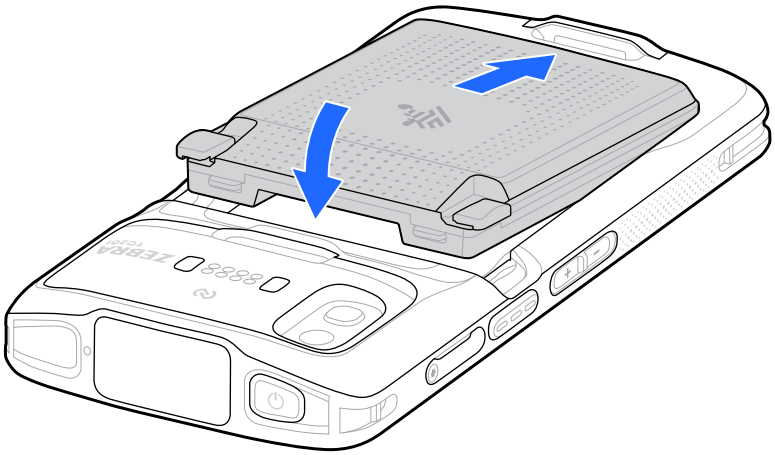


Installing a Battery

This section describes how to install the battery into the device.

NOTE: User modification of the device, particularly in the battery well, such as labels, asset tags, engravings, stickers, and so on, 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, and so on, could be affected. Do not place any labels, asset tags, engravings, stickers, or other markings in the battery well.

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



2. Press the battery down into the battery compartment until both battery release latches snap into place.

Activating an eSIM

This section describes activating an eSIM.

NOTE: Before adding an eSIM, contact your carrier to obtain the eSIM service and its activation or QR code.

1. On the device, establish an internet connection via Wi-Fi or cellular data with an installed SIM card.
2. Go to **Settings** > **Network & internet**.
3. Tap **SIMs**.
   - If a SIM card is not already installed, the **Mobile Network** screen displays.
   - If a SIM card is already installed, tap **+ Add more**. The **Mobile network** screen displays.
4. Select:
   - **MANUAL CODE ENTRY** to enter the activation code, or
   - **SCAN** to scan the QR code to download the eSIM profile.

   The Confirmation dialog box displays.
5. Tap **OK**.
6. Enter the activation code or scan the QR code.
7. Tap **NEXT**.

The Confirmation dialog box displays.

8. Tap **ACTIVATE**, and then **Done**.

   The eSIM is now activated.

Deactivating an eSIM

Turn off an eSIM temporarily and re-activate it later.

1. On the device, establish an internet connection via Wi-Fi or cellular data with an installed SIM card.
2. Tap **Settings** > **Network & internet** > **SIMs**.
3. In the **Downloaded SIM** section, tap the name of the eSIM to deactivate.
4. Tap the **Use this SIM** switch to turn off the eSIM.

   The Confirmation dialog box displays.
5. Tap **Turn off**.

   The eSIM is deactivated.

Erasing an eSIM Profile

Erasing an eSIM profile removes it completely from the device.

NOTE: After erasing an eSIM from the device, you cannot use it again.

1. On the device, establish an internet connection via Wi-Fi or cellular data with an installed SIM card.
2. Tap **Settings** > **Network & internet** > **SIMs**.
3. In the **Downloaded SIM** section, tap the name of the eSIM.
4. Tap **Erase eSIM**.

   The **Erase this eSIM?** message displays.
5. Tap **Erase**.

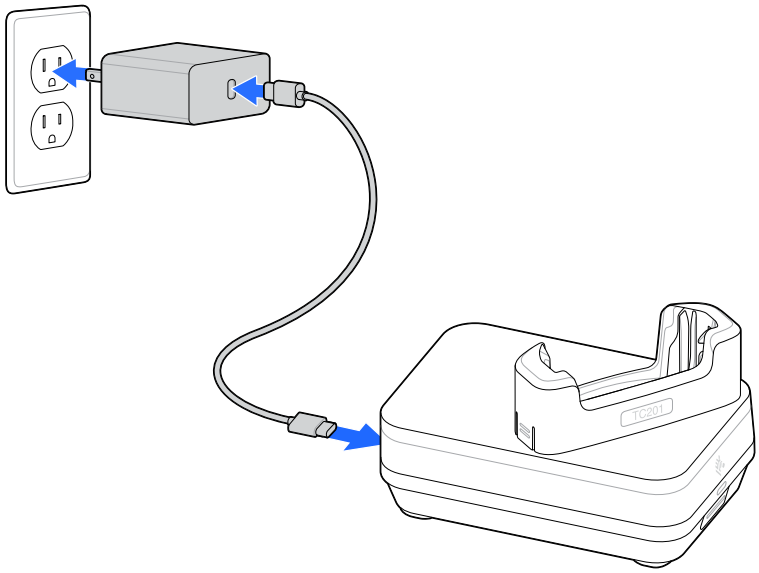
   The eSIM profile is now erased from the device.

Charging the Device

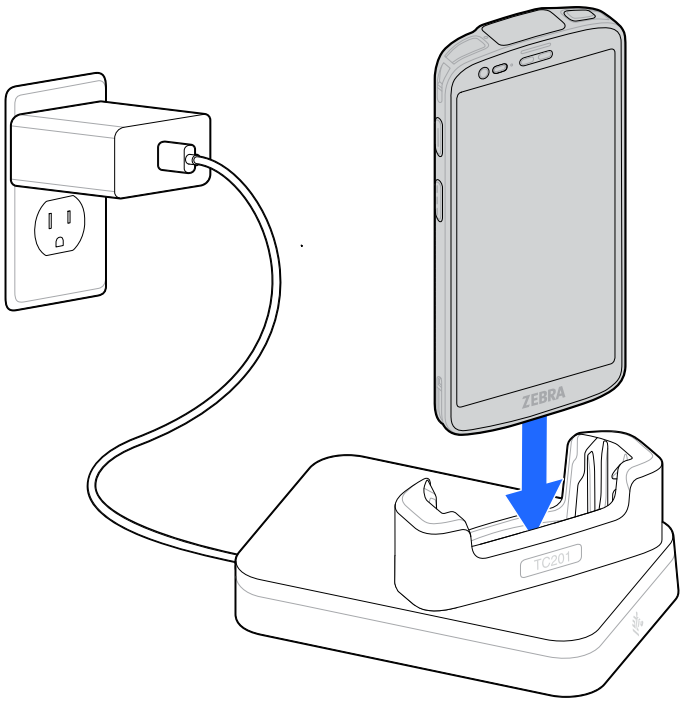
This section provides information for charging the device.

CAUTION: Ensure that you follow the guidelines for battery safety described in the *TC201 Product Reference Guide*.

1. To charge the main battery, connect the charging accessory to the appropriate power source.



2. Insert the device into a cradle or attach to a cable. The device turns on and begins charging. The Charging/Notification LED blinks amber while charging, then turns solid green when fully charged.



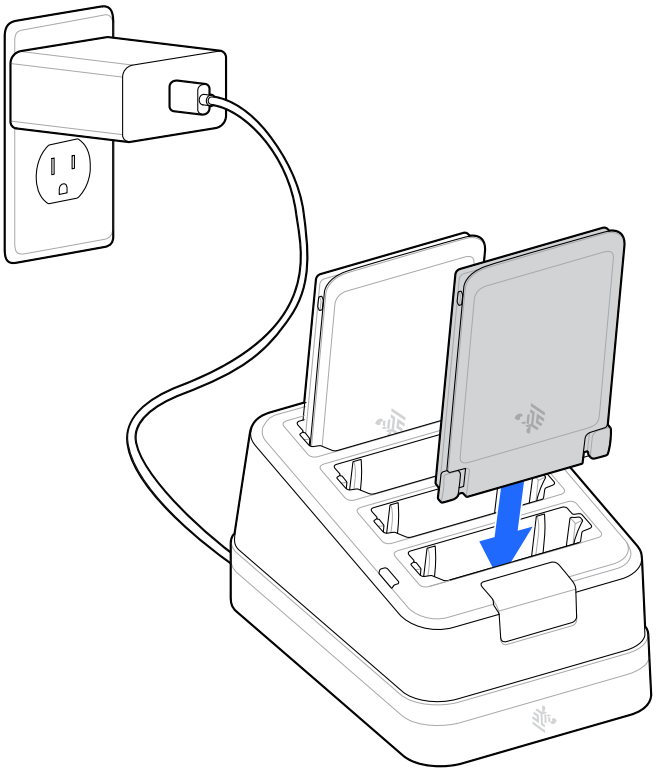
The device's Charging/Notification LED indicates the status of the battery charging in the device. Charging details are as follows:

- **Standard Battery:** Reaches 80% charge in approximately 1 hour and 20 minutes.
- **1.5x Extended Battery:** Reaches 80% charge in approximately 1 hour and 50 minutes.
- **2x Extended Battery:** Reaches 80% charge in approximately 2 hours and 40 minutes.

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 3 hours for the Standard Battery, 4 hours for the 1.5x Extended Battery, and 6 hours for the 2x Extended Battery.

Charging Indications

The charging/notification LED indicates charging status.

Table 4 Charging/Notification LED Charging Indicators

State	LED	Indications
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 (one blink every four seconds)		Device is charging.

Table 4 Charging/Notification LED Charging Indicators (Continued)

State	LED	Indications
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 twelve hours).
Fast Blinking Red (two blinks/second)		Charging error, but the battery is at end of useful life, for example: • Temperature is too low or too high. • Charging has gone on too long without completion (typically twelve 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, the device or cradle may, for brief periods, alternately enable and disable battery charging to maintain the battery at an acceptable temperature. The device and cradle indicate when charging is disabled due to abnormal temperatures via the LED.

Charging Accessories

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

CAUTION: Ensure that you follow the guidelines for battery safety described in the *TC201 Product Reference Guide*.

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

Table 5 Charging and Communication

Description	Part Number	Charging		Communication	
		Battery (In Device)	Spare Battery	USB	Ethernet
1-Slot Charging Cradle	CRD-TCVTB-1D/CRD-TCVT-1D	Yes	No	No	No
1-Slot Ethernet Charging Cradle	CRD-TCVT-1DE/CRD-TCVTB-1DE	Yes	No	Yes	Yes
1-Slot Device and Spare Battery Charging Cradle	CRD-TCVT-1D1B/CRD-TCVTB-1D1B	Yes	Yes	No	No

Table 5 Charging and Communication (Continued)

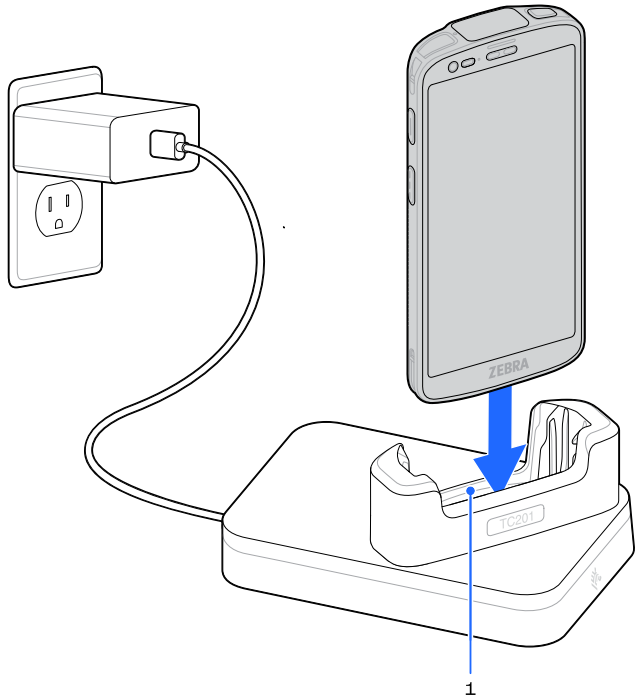
Description	Part Number	Charging		Communication	
		Battery (In Device)	Spare Battery	USB	Ethernet
1-Slot Device and Spare Battery Ethernet Charging Cradle	CRD-TCVT-1D1BE/ CRD-TCVTB-1D1BE	Yes	Yes	Yes	Yes
Dual Slot Charge-Only Cradle	CRD-TCVTB-2D/CRD-TCVT-2D	Yes	No	No	No
4-Slot Battery Charger	SAC-TCVT-4B	No	Yes	No	No
5-Slot Charging Cradle	CRD-TCVT-5D/CRD-TCVTB-5D	Yes	No	No	No
5-Slot Ethernet Charging Cradle	CRD-TCVT-5DE/CRD-TCVTB-5DE	Yes	No	Yes	Yes
5-Slot Device and Spare Battery Charging Cradle	CRD-TCVT-5D5B/ CRD-TCVTB-5D5B	Yes	Yes	No	No
10-slot Charge-Only Cradle	CRD-TCVT-10D/CRD-TCVTB-10D	Yes	No	No	No

1-Slot Charging Cradle

The 1-Slot Charging Cradle is an accessory used to charge a single device.

CAUTION: Ensure that you follow the guidelines for battery safety described in the *TC201 Product Reference Guide*.

Figure 4 1-Slot Charging Cradle



1	Device Slot

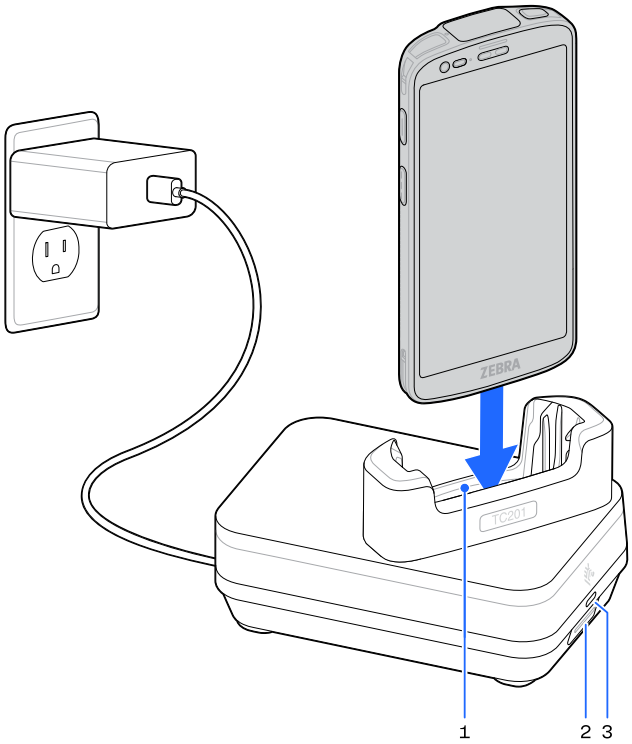
NOTE: Insert the device properly in the slot to charge it.

1-Slot Ethernet Charging Cradle

The 1-Slot Ethernet Charging Cradle is an accessory used to charge a single device and connect to networks with Ethernet.

CAUTION: Ensure that you follow the guidelines for battery safety described in the *TC201 Product Reference Guide*.

Figure 5 1-Slot Ethernet Charging Cradle



1	Device Slot
2	Cradle Cup Release Button
3	Power LED

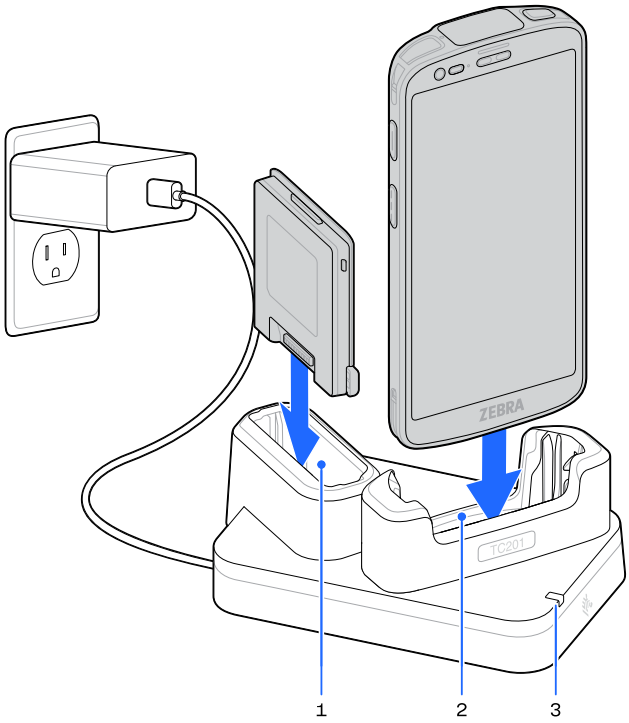
NOTE: Insert the device properly in the slot to charge it.

1-Slot Device and Spare Battery Charging Cradle

The 1-Slot Device and Spare Battery Charging Cradle is an accessory used for charging a device and a spare battery.

CAUTION: Ensure that you follow the guidelines for battery safety described in the *TC201 Product Reference Guide*.

Figure 6 1-Slot Device and Spare Battery Charging Cradle



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

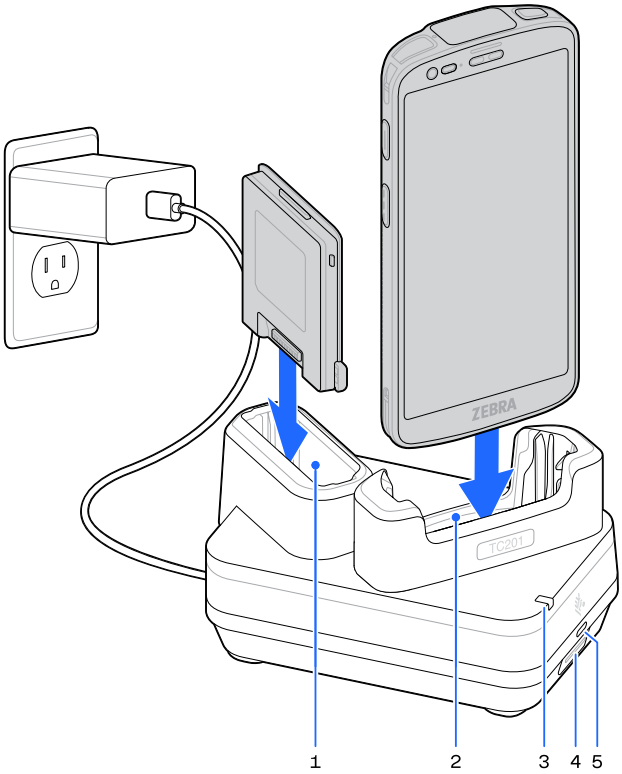
NOTE: Insert the device and battery properly in the slot to charge it.

1-Slot Device and Spare Battery Ethernet Charging Cradle

This 1-Slot Device and Spare Battery Ethernet Charging Cradle is an accessory used for charging a device and a spare battery while also providing a network connection with Ethernet.

CAUTION: Ensure that you follow the guidelines for battery safety described in the *TC201 Product Reference Guide*.

Figure 7 1-Slot Device and Spare Battery Ethernet Charging Cradle



1	Spare Battery Slot
2	Device Slot
3	Spare Battery Charging LED
4	Cradle Cup Release Button
5	Power LED

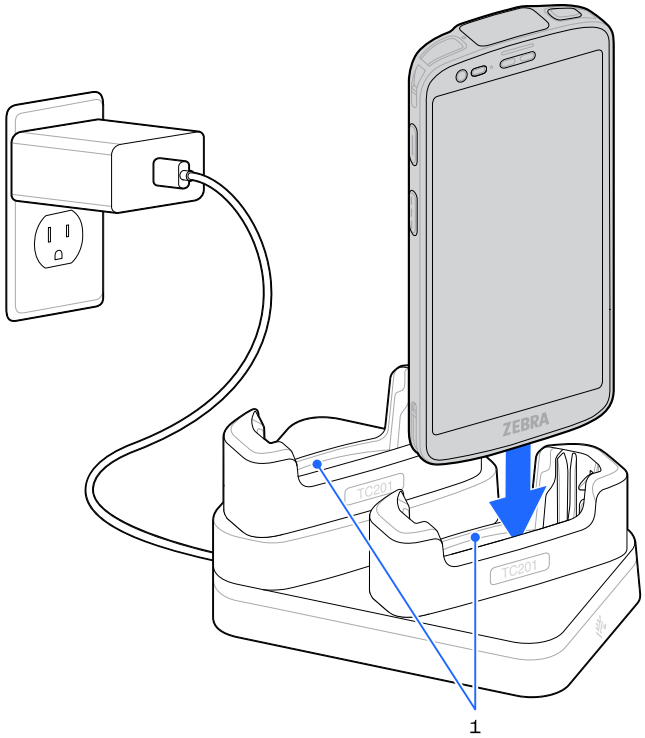
NOTE: Insert the device and battery properly in the slot to charge it.

Dual Slot Charge-Only Cradle

The Dual Slot Charge-Only Cradle is an accessory that supports charging two devices.

CAUTION: Ensure that you follow the guidelines for battery safety described in the *TC201 Product Reference Guide*.

Figure 8 Dual Slot Charge-Only Cradle



1	Device Slot

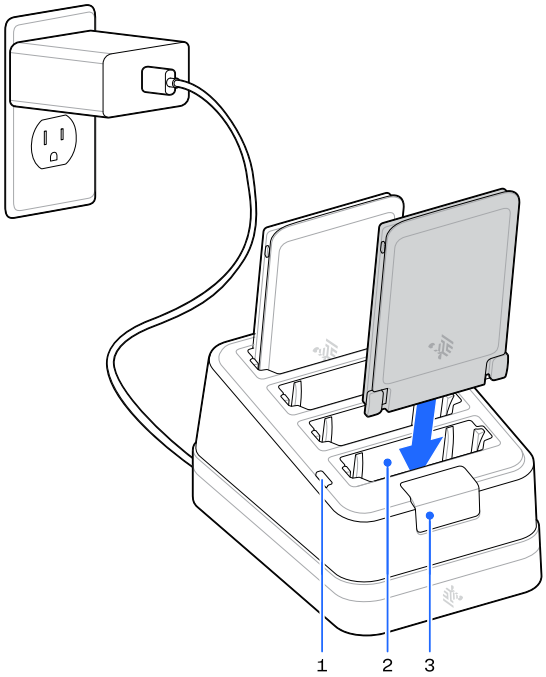
NOTE: Insert the device properly in the slot to charge it.

4-Slot Battery Charger

The 4-Slot Battery Charger is used to charge up to four device batteries.

CAUTION: Ensure that you follow the guidelines for battery safety described in the *TC201 Product Reference Guide*.

Figure 9 4-Slot Battery Charger



1	Battery Charging LED
2	Battery Slot
3	Firmware Update Port

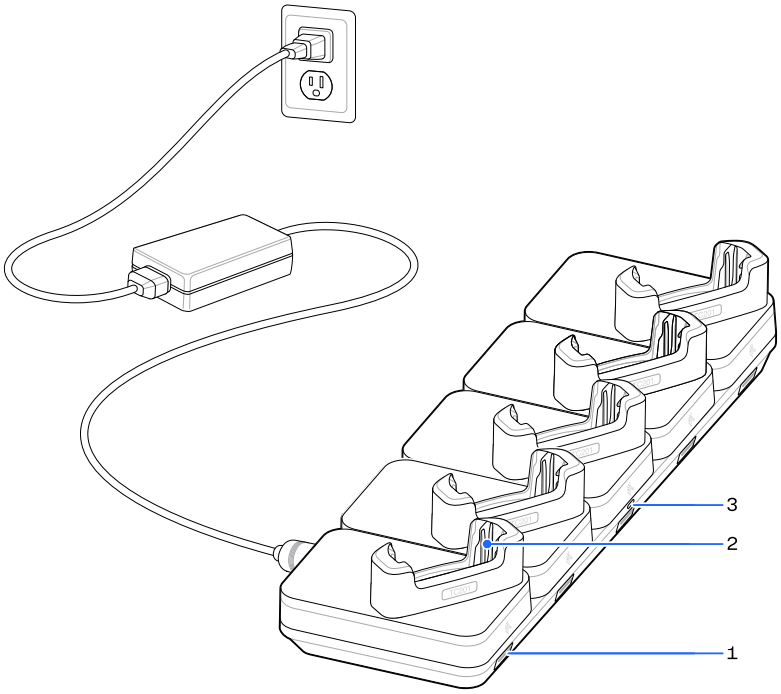
NOTE: Insert the battery properly in the slot to charge it.

5-Slot Charging Cradle

The 5-Slot Charging Cradle is an accessory used to charge up to 5 devices.

CAUTION: Ensure that you follow the guidelines for battery safety described in the *TC201 Product Reference Guide*.

Figure 10 5-Slot Charging Cradle



1	Cradle Cup Release Button
2	Device Slot
3	Power LED

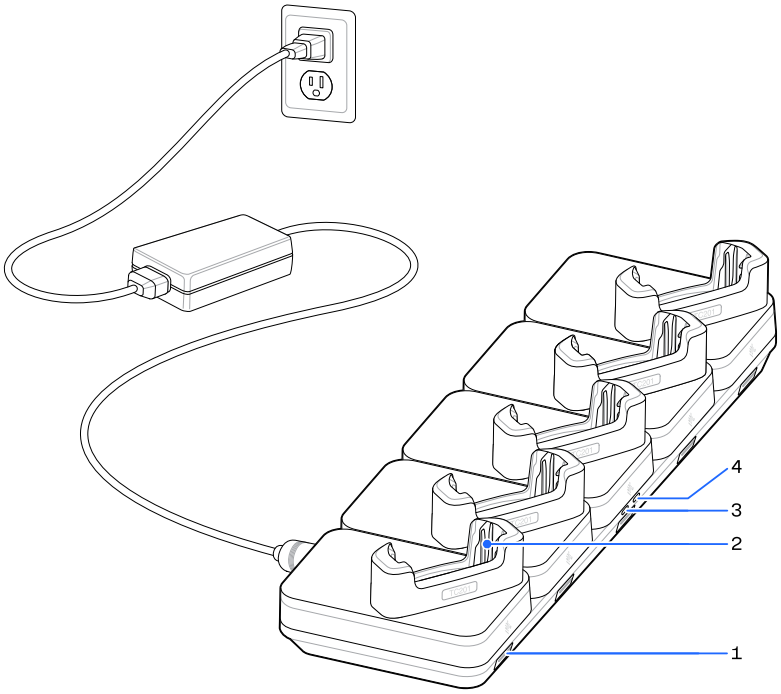
NOTE: Insert the device properly in the slot to charge it.

5-Slot Ethernet Charging Cradle

The 5-Slot Ethernet Charging Cradle is an accessory used to charge up to 5 devices and connects them to the network with Ethernet.

CAUTION: Ensure that you follow the guidelines for battery safety described in the *TC201 Product Reference Guide*.

Figure 11 5-Slot Ethernet Charging Cradle



1	Cradle Cup Release Button
2	Device Slot
3	Power LED
4	Ethernet Link

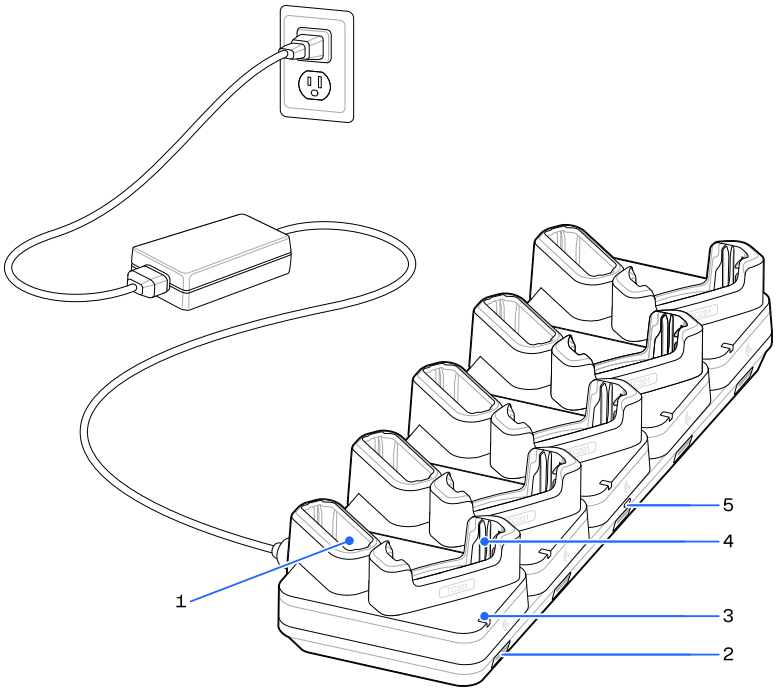
NOTE: Insert the device properly in the slot to charge it.

5-Slot Device and Spare Battery Charging Cradle

The 5-Slot Device and Spare Battery Charging Cradle is an accessory that charges up to 5 devices and 5 spare batteries.

CAUTION: Ensure that you follow the guidelines for battery safety described in the *TC201 Product Reference Guide*.

Figure 12 5-Slot Device and Spare Battery Charging Cradle



1	Spare Battery Slot
2	Cradle Cup Release Button
3	Spare Battery Charging LED
4	Device Slot
5	Ethernet Link

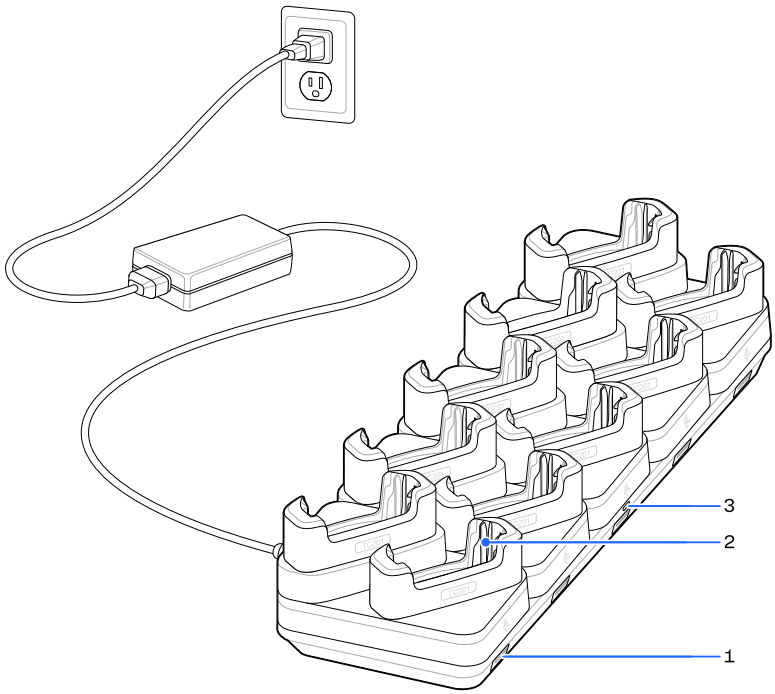
NOTE: Insert the device and battery properly in the slot to charge it.

10-Slot Charge-Only Cradle

The 10-Slot Charge-Only Cradle is an accessory that charges up to 10 devices.

CAUTION: Ensure that you follow the guidelines for battery safety described in the *TC201 Product Reference Guide*.

Figure 13 10-Slot Charge-Only Cradle

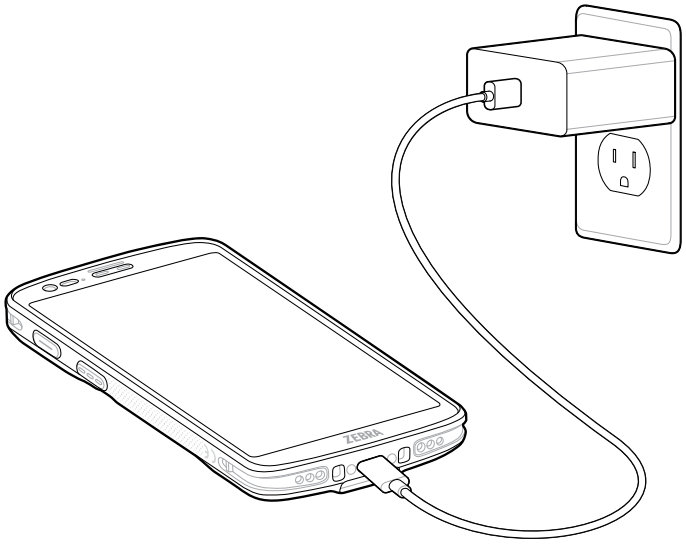


1	Cradle Cup Release Button
2	Device Slot
3	Power LED

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

Charge/USB-C Cable

The Charge/USB-C cable is used to charge the device's battery and to transfer data between the device and a host computer.



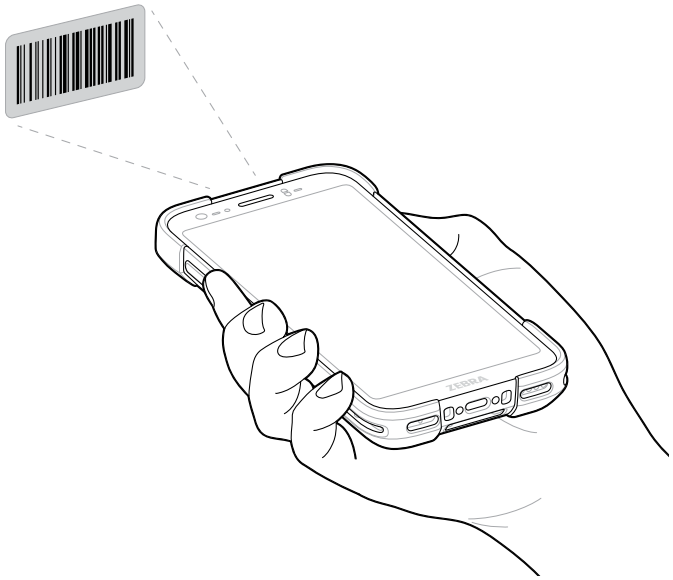
WARNING: If the device displays the **Liquid or debris in USB port** notification, immediately unplug the USB-C cable, and do not charge the device. Refer to the Device Troubleshooting section in the *TC201 Product Reference Guide*.

Scanning with the Device

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

NOTE: The AC670 imager displays the green dash-dot-dash aimer. The SR500 and SR560 imager displays a red 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 on the top of the device at a barcode.



3. Press and hold the scan button.

   To assist in aiming, the red LED aiming pattern and red aiming dot turn on for the SR500 and SR560 imager, and the green LED aiming pattern and green dash-dot-dash turn on for the AC670 imager.

   NOTE: When the device is in Picklist mode, the imager does not decode the barcode until the aiming dot touches the barcode.

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

Figure 14 Aiming Pattern

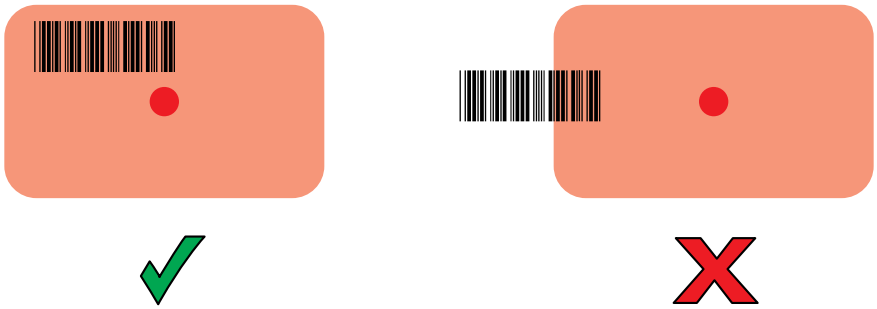
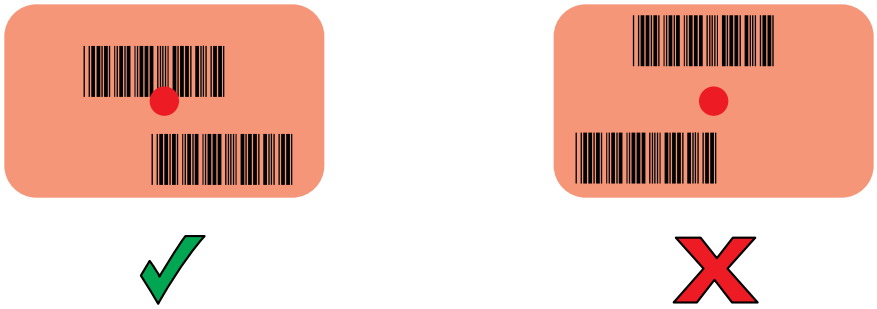


Figure 15 Pick List Mode with Multiple Barcodes in Aiming Pattern



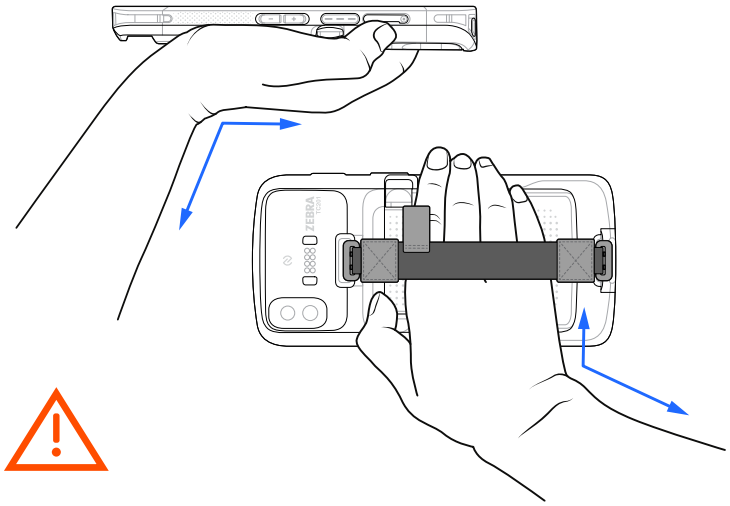
5. The Data Capture LED lights green and a beep sounds, by default, to indicate the barcode was decoded successfully.
6. Release the scan button.

NOTE: Imager decoding usually occurs instantaneously. The 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.

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

Ergonomic Considerations

Avoid extreme wrist angles 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, please 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 by email, telephone, or fax within the time limits set forth 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.

If you purchased your Zebra business product from a Zebra business partner, contact that business partner for support.