

# WTO

## Wearable Computer

DRAFT

### Quick Start Guide - Draft



**ZEBRA**

2024/03/11

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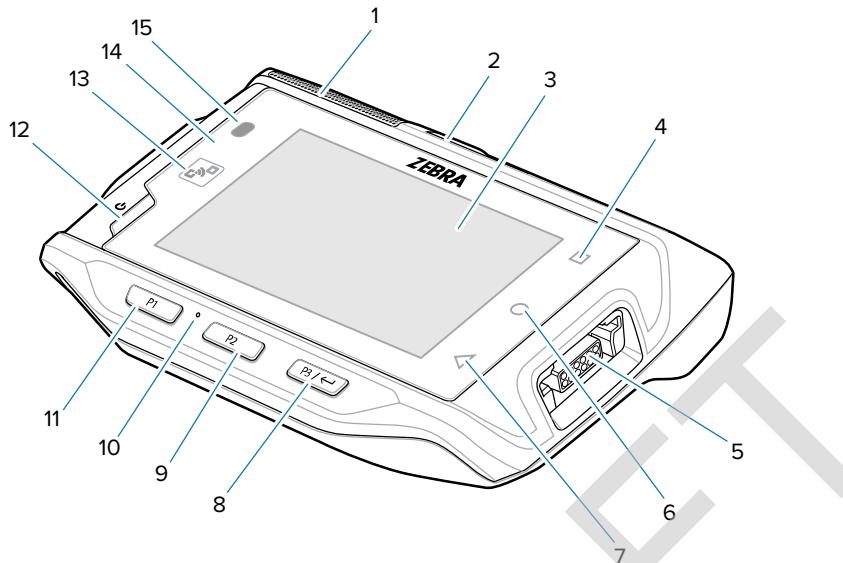
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## Device Features

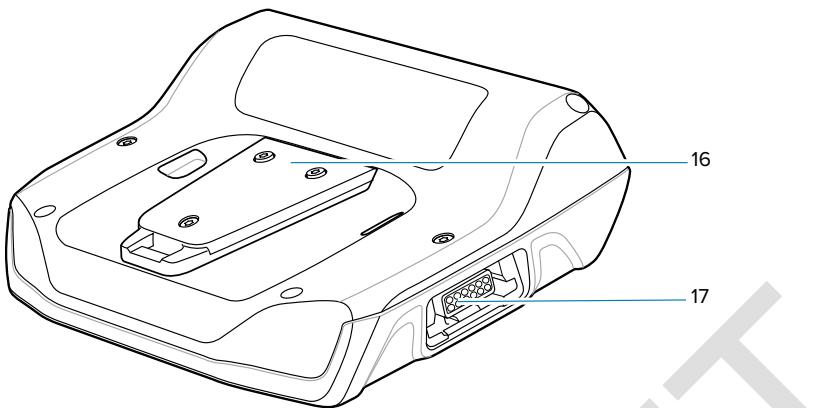
This section lists the features of the WT0 wearable computer.

**Figure 1** Front View



Number	Item	Function
1	Speaker	Provides audio output for video and music playback.
2	Battery	Provides power to the device.
3	Display	Displays all information needed to operate the device.
4	Recent button	Displays recently open applications.
5	Right interface connector	Provides USB host and client communication, audio and device charging via cables and accessories.
6	Home button	Displays the Home screen.
7	Back button	Displays the previous screen.
8	P3 button / Enter button	Use as the Enter button. If programmed as PTT, initiates Push-To-Talk communication.
9	P2 button	Increases volume.
10	Microphone	Use for communication on handset.
11	P1 button	Decreases volume.
12	Power button	Turns the display on and off. Press and hold to reset the device and power off.
13	NFC antenna	Provides communication with other NFC-enabled devices.
14	Ambient light sensor	Determines ambient light for controlling display backlight intensity.

Number	Item	Function
15	Notification/Charge LED	Indicates battery charging status while charging with USB Charge cable and provide notifications from applications.

**Figure 2** Rear View**Table 1** Rear View

Number	Item	Function
16	Cleat	Provides alignment and secures the device to the wrist and hip mounts.
17	Left interface connector	Provides USB host and client communication, audio and device charging via cables and accessories.

## Battery Safety Guidelines

To use the device safely, you must follow the battery guidelines.

- The area in which the units are charged should be clear of debris and combustible materials or chemicals. Particular care should be taken when the device is charged in a non-commercial environment.
- Follow the battery usage, storage, and charging guidelines found in this guide.
- Improper battery use may result in a fire, explosion, or other hazard.
- To charge the mobile device battery, the ambient battery and charger temperatures must be between +32°F and +104°F (0°C and +40°C).
- Do not use incompatible batteries and chargers, including non-Zebra batteries and chargers. Use of an incompatible battery or charger may present a risk of fire, explosion, leakage, or other hazard. If you have any questions about the compatibility of a battery or a charger, contact the Global Customer Support Center.
- For devices that utilize a USB port as a charging source, the device shall only be connected to products that bear the USB-IF logo or have completed the USB-IF compliance program.
- Do not disassemble, open, crush, bend, deform, puncture, or shred the battery.
- Severe impact from dropping any battery-operated device on a hard surface could cause the battery to overheat.
- Do not short-circuit a battery or allow metallic or conductive objects to contact the battery terminals.

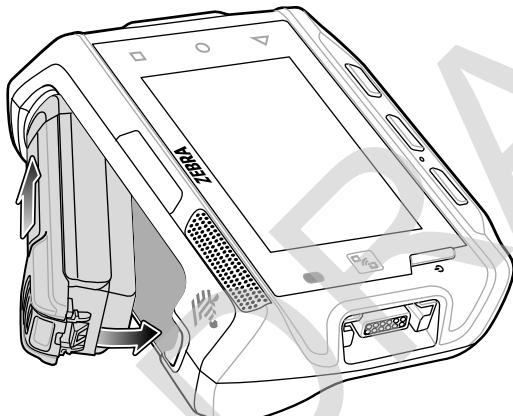
- Do not modify or remanufacture, attempt to insert foreign objects into the battery, immerse or expose to water or other liquids, or expose to fire, explosion, or other hazard.
- Do not leave or store the equipment in or near areas that might get very hot, such as in a parked vehicle or near a radiator or other heat source. Do not place a battery into a microwave oven or dryer.
- Battery usage by children should be supervised.
- Please follow local regulations to properly dispose of used rechargeable batteries.
- Do not dispose of batteries in a fire.
- In the event of a battery leak, do not allow the liquid to come in contact with the skin or eyes. If contact has been made, wash the affected area with water for 15 minutes, and seek medical advice.
- If you suspect damage to your equipment or battery, contact Customer Support to arrange for inspection.

## Installing the Battery

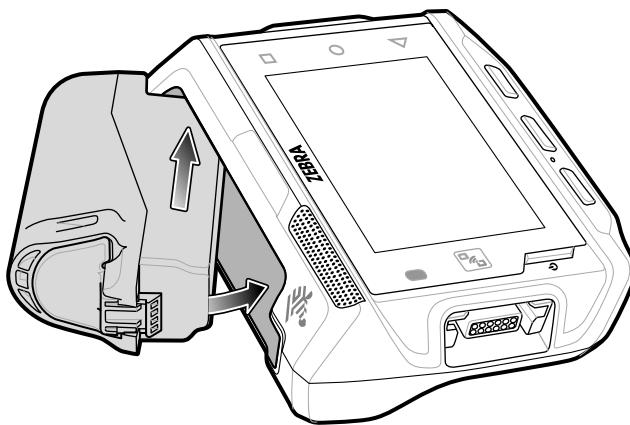
This section describes how to install the battery into the WTO.

1. Insert the end of the battery into the battery well.

**Figure 3** Standard Battery Installation



**Figure 4** Extended Battery Installation



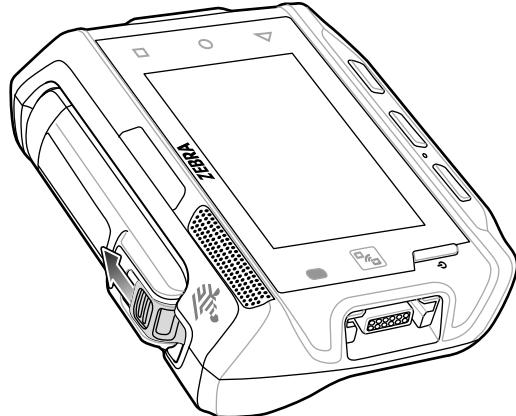
2. Press the battery down until it snaps into place.

## Replacing the Battery

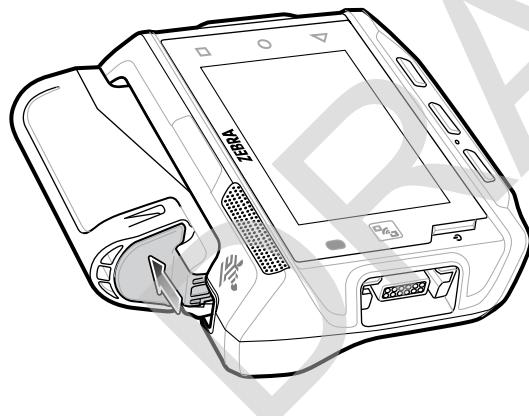
Replacing the battery in the WTO.

1. Press the Power button to place the device in suspend mode.
2. Using fingertip, press the battery release latch toward the end of the battery.

**Figure 5** Pull Release Latch Back on Standard Battery

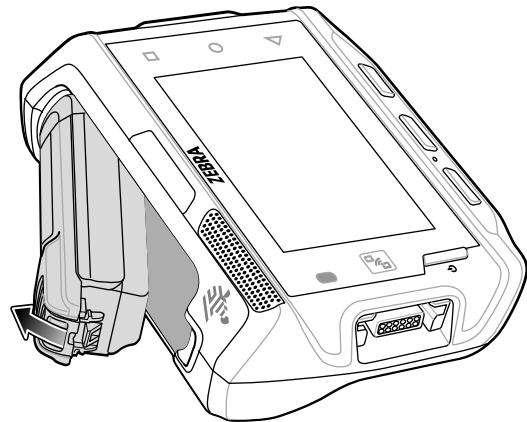


**Figure 6** Pull Release Latch Back on Extended Battery

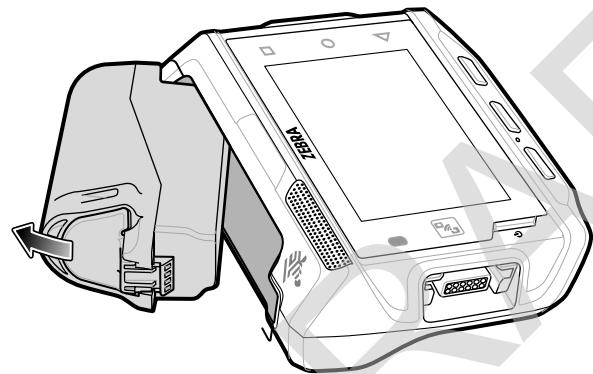


3. Lift the battery out of the battery well.

**Figure 7** Standard Battery Removal

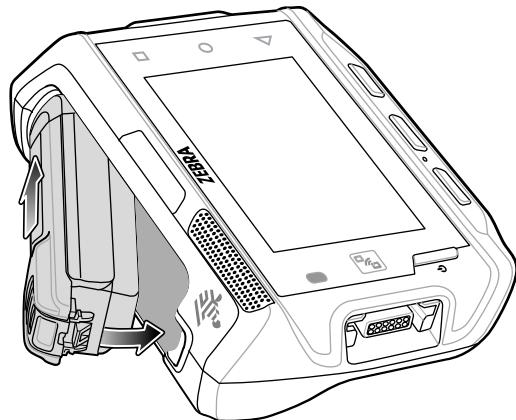


**Figure 8** Extended Battery Removal

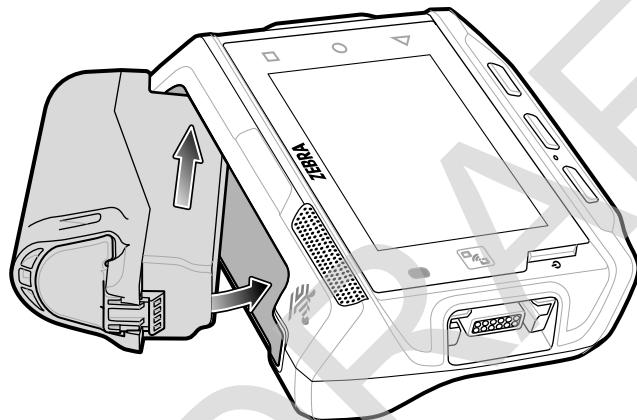


4. Insert the end of the battery into the battery well.

**Figure 9** Standard Battery Installation



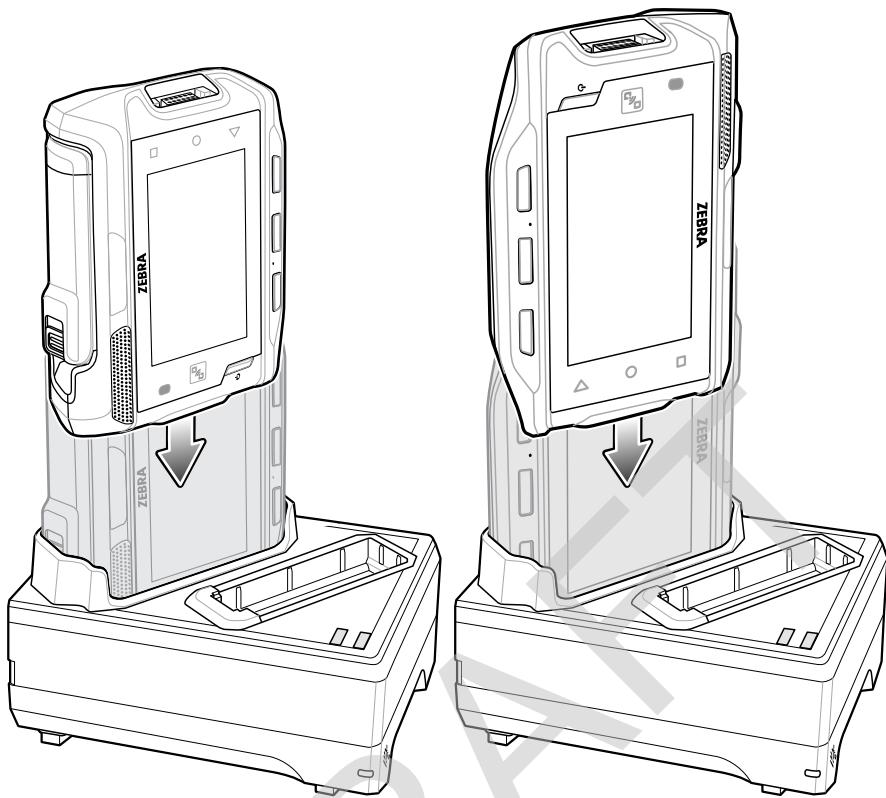
**Figure 10** Extended Battery Installation



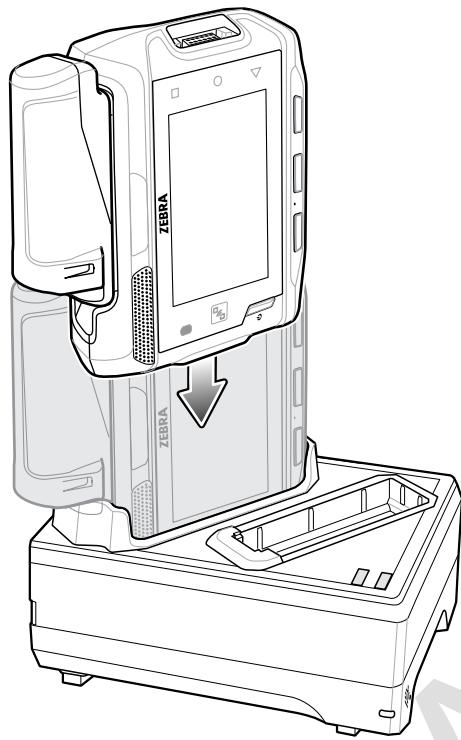
5. Press the battery down until it snaps into place.

## Charging the Device

1. If charging a device with a standard battery, insert either end of the device into the device charging slot.



2. If charging a device with an extended battery, insert the end of the device into the device charging slot as shown below.



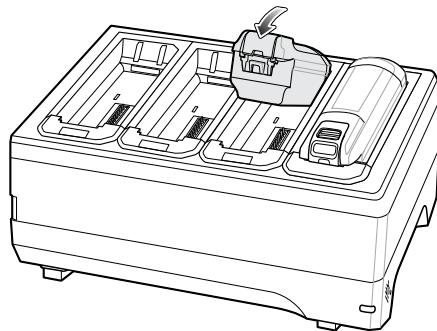
3. Ensure the device is seated properly.  
The device Charge LED blinks indicating charging.

## Charging the Spare Battery

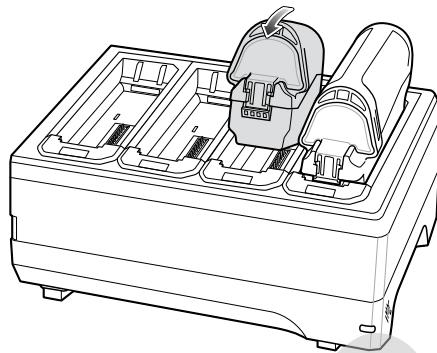
1. Insert a spare battery into the spare battery slot.

2. Gently press down on the battery until it snaps into place.

**Figure 11** Standard Spare Battery



**Figure 12** Extended Spare Battery



## Charging Temperature

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 (for example, 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.

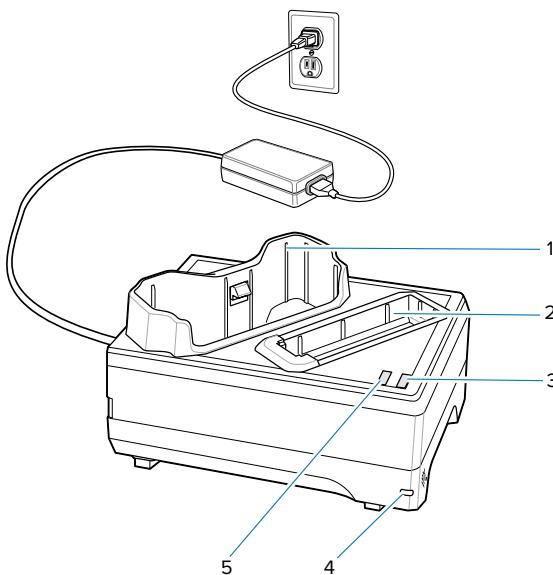
## 1-Slot USB Charging Cradle



**CAUTION:** Ensure that you follow the guidelines for battery safety described in [Battery Safety Guidelines](#) on page 4.

The 1-Slot USB Charging Cradle:

- Provides 5.4 VDC (nominal) power for operating the device.
- Provides USB communication with a host computer
- Charges a spare battery.



1	Device charging slot
2	Spare battery charging slot
3	Power LED
4	Spare battery charging LED
5	Device charging LED

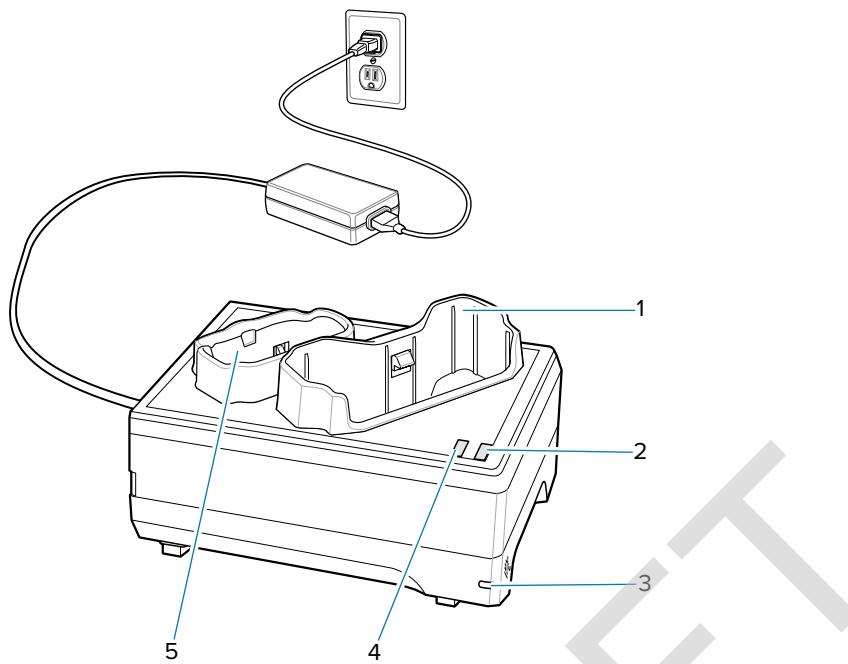
## 2-Slot Device/RS6000 Charging Cradle



**CAUTION:** Ensure that you follow the guidelines for battery safety described in [Battery Safety Guidelines](#) on page 4.

The 2-Slot Device/RS6000 Charging Cradle:

- Provides 5.4 VDC (nominal) power for operating the device and RS6000.
- Provides USB communication with a host computer.

**Figure 13** 2-Slot Device/RS6000 Charging Cradle

1	Device charging slot
2	Device charging LED
3	Power LED
4	RS6000 charging LED
5	RS6000 charging slot

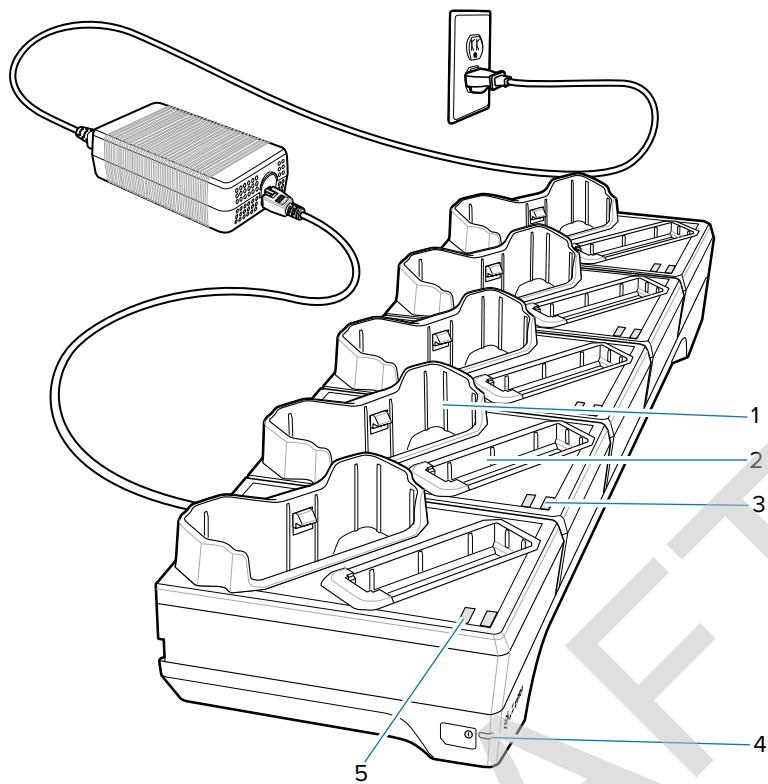
## 5-Slot Charge Only Cradle



**CAUTION:** Ensure that you follow the guidelines for battery safety described in [Battery Safety Guidelines](#) on page 4.

The 5-Slot Charge Only Cradle:

- Provides 5.4 VDC (nominal) power for operating up to five devices.
- Simultaneously charges up to five devices.
- Simultaneously charges up to five spare batteries.

**Figure 14** 5-Slot Charge Only Cradle

1	Device charging slot
2	Spare battery charging slot
3	Power LED
4	Spare battery charging LED
5	Device charging LED

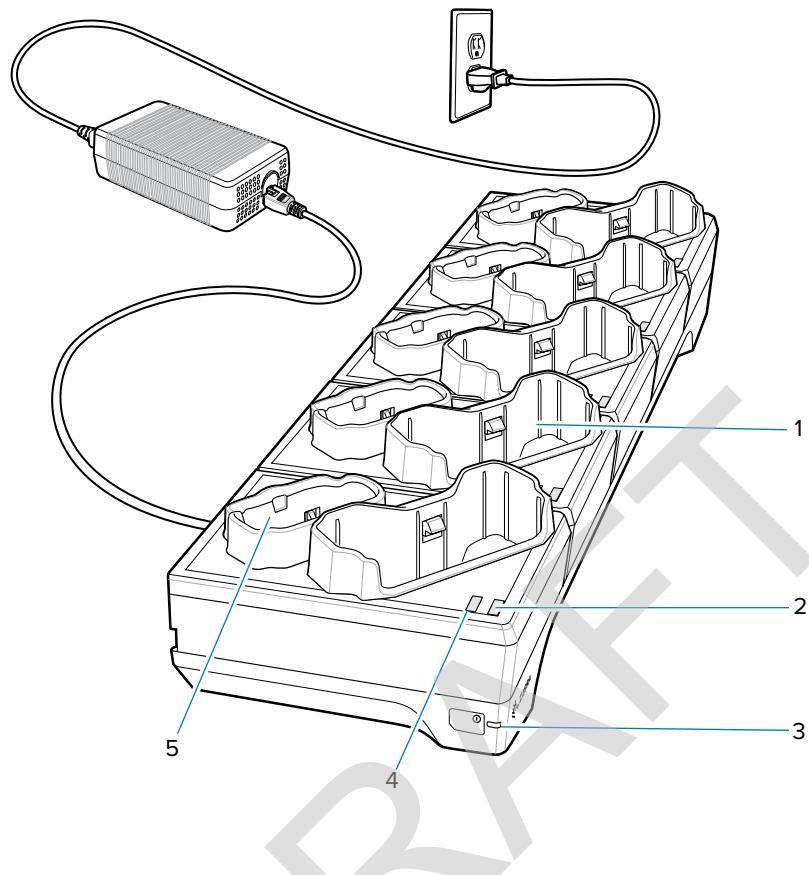
## 10-Slot Device/RS6000 Charge Only Cradle



**CAUTION:** Ensure that you follow the guidelines for battery safety described in [Battery Safety Guidelines](#) on page 4.

The 10-Slot Device/RS6000 Charge Only Cradle:

- Provides 5.4 VDC (nominal) power for operating the device and RS6000.
- Simultaneously charges up to five devices.
- Simultaneously charges up to five RS6000's.

**Figure 15** 10-Slot Device/RS6000 Charge Only Cradle

1	Device charging slot
2	Device charging LED
3	Power LED
4	RS6000 charging LED
5	RS6000 charging slot

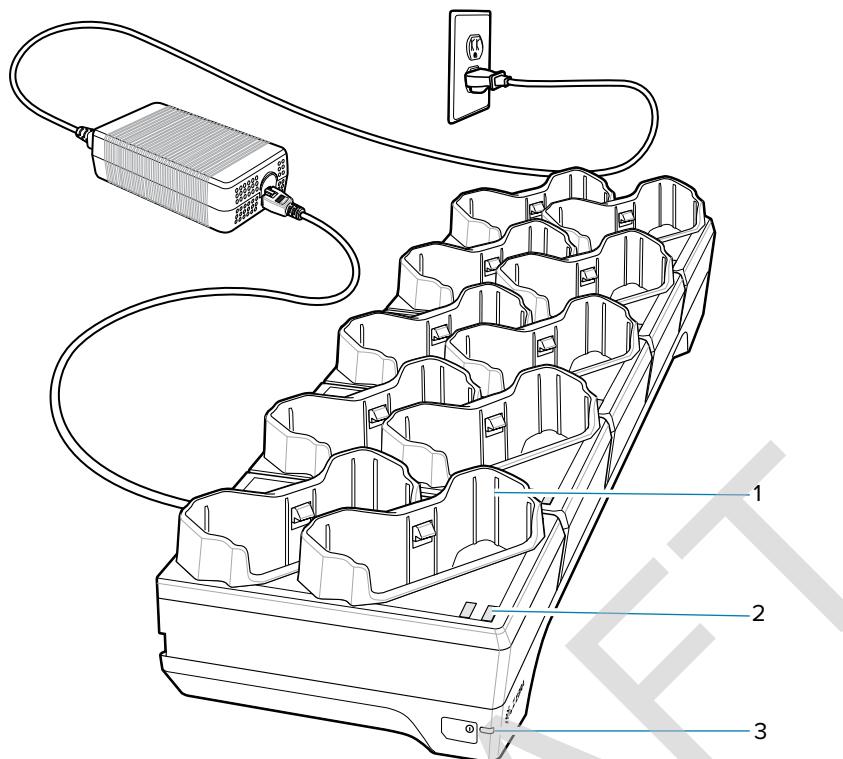
## 10-Slot Charge Only Cradle



**CAUTION:** Ensure that you follow the guidelines for battery safety described in [Battery Safety Guidelines](#) on page 4.

The 10-Slot Charge Only Cradle:

- Provides 5.4 VDC (nominal) power for operating the device.
- Simultaneously charges up to 10 devices.

**Figure 16** 10-Slot Charge Only Cradle

1	Device charging slot
2	Power LED
3	Device charging LEDs

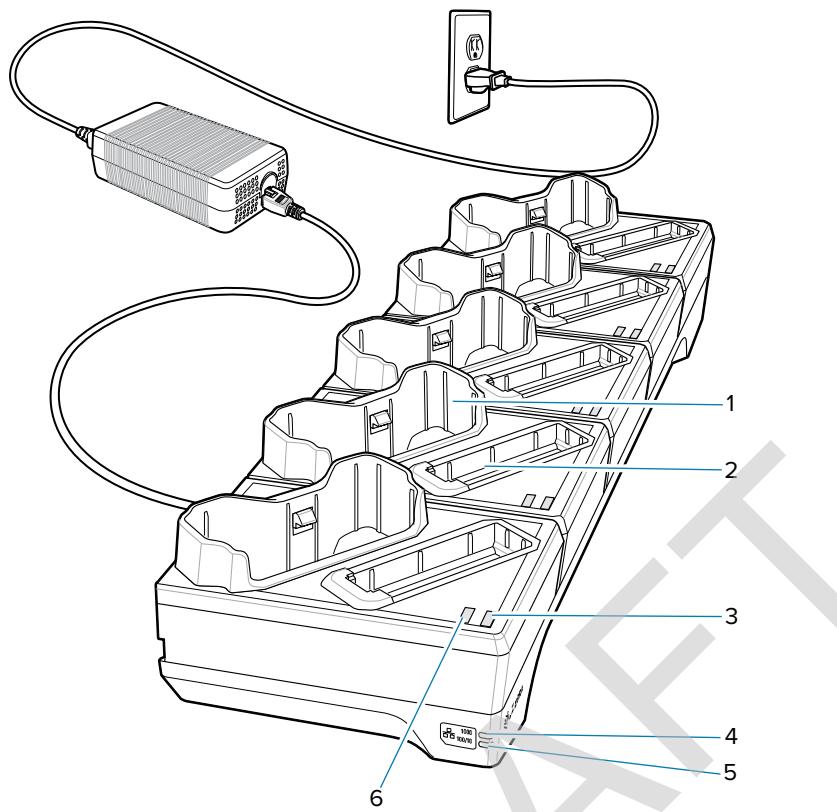
## 5-Slot Ethernet Cradle



**CAUTION:** Ensure that you follow the guidelines for battery safety described in [Battery Safety Guidelines](#) on page 4.

The 5-Slot Ethernet Cradle:

- Provides 5.4 VDC (nominal) power for operating the device.
- Connects up to five devices to an Ethernet network.
- Simultaneously charges up to five devices.
- Simultaneously charges up to five spare batteries.

**Figure 17** 5-Slot Device Ethernet Cradle

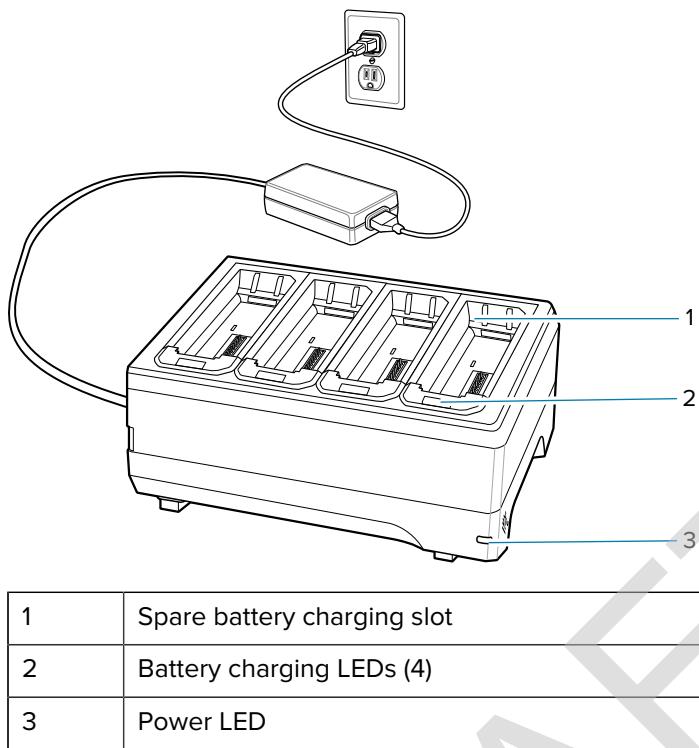
1	Device charging slot
2	Spare battery charging slot
3	1000 LED
4	100/100 LED
5	Spare battery charging LED
6	Device charging LED

## 4-Slot Battery Charger

The 4-Slot Battery Charger charges up to four spare batteries.



**CAUTION:** Ensure that you follow the guidelines for battery safety described in [Battery Safety Guidelines](#) on page 4.

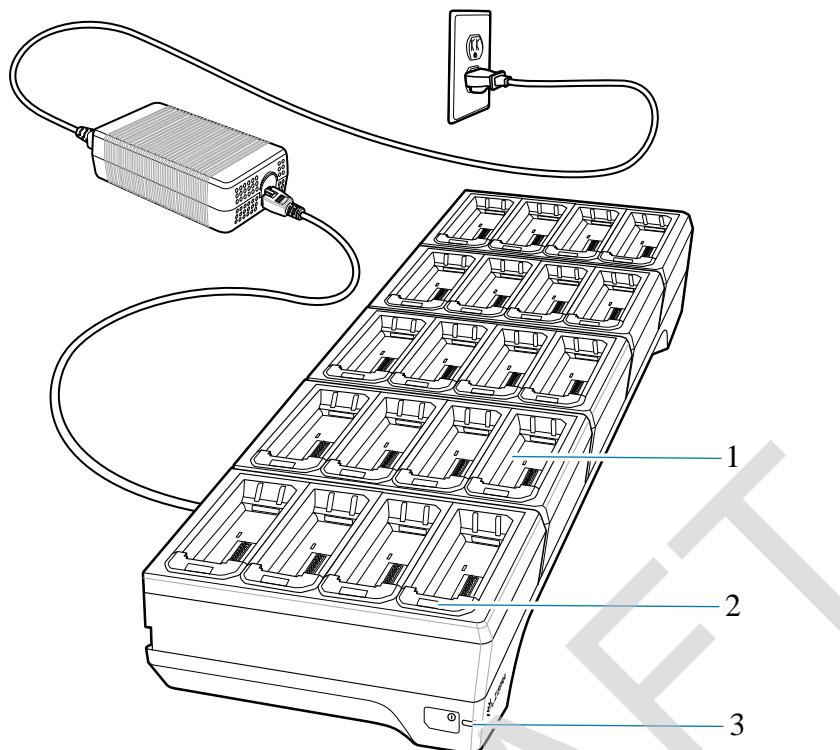
**Figure 18** 4-Slot Spare Battery Charger

## 20-Slot Battery Charger

The 20-Slot Battery Charger charges up to 20 spare batteries.



**CAUTION:** Ensure that you follow the guidelines for battery safety described in [Battery Safety Guidelines](#) on page 4.

**Figure 19** 20-Slot Battery Charger

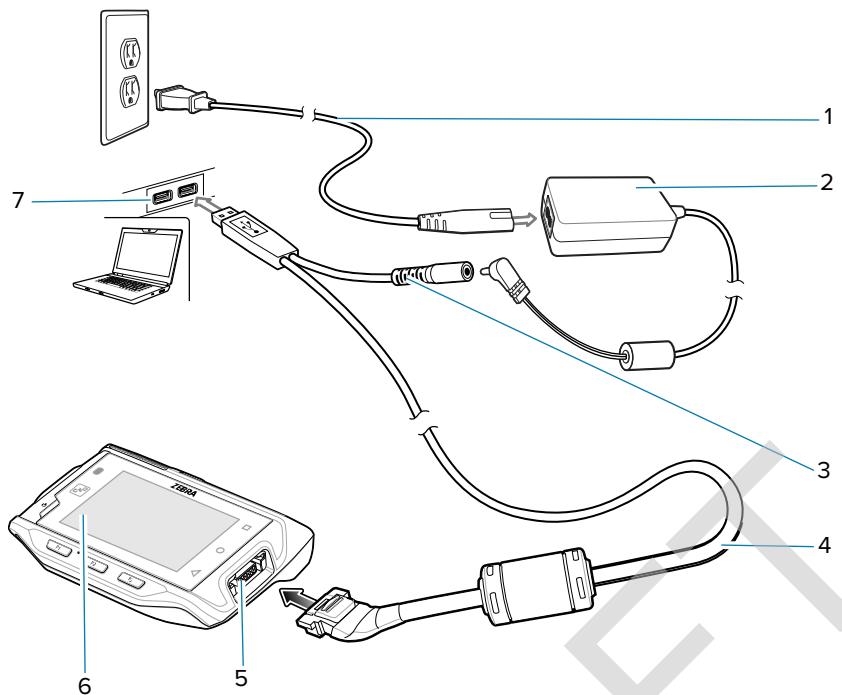
1	Spare battery charging slot
2	Battery charging LEDs (20)
3	Power LED

## USB/Charge Cable



**CAUTION:** Ensure that you follow the guidelines for battery safety described in [Battery Safety Guidelines](#) on page 4.

The USB and Charging cable connects to either interface connector on the device. When attached to the device, allows the device to transfer data to a host computer and provides power for charging the device.

**Figure 20** USB and Charging Cable

1	USB port
2	AC line cord
3	Power supply
4	USB charge cable
5	Interface connector

## Ergonomic Considerations

To avoid or minimize risk of ergonomic injury, follow these recommendations:

- Ensure that users are trained in proper mounting of the device.
- Ensure that the comfort pad is secured to the holder before mounting.
- Ensure that the device is not worn near the wrist joint.
- Ensure that the device is mounted so that the display is oriented towards the user.
- Ensure proper use and maintenance of the adjustable BOA strap.
- Match strap selection to user forearm – Use white coded BOA strap for small to medium forearm size, and use black coded BOA strap for medium to large forearm size.
- Maintain and clean wearable components such as straps and soft goods.
- Reduce or eliminate unnecessary repetitive motion and activation.
- Maintain a neutral posture.
- Reduce or eliminate elevated or raised arm and shoulder postures.

- Reduce or eliminate excessive force.
- Keep objects that are used frequently within easy reach.
- Perform tasks at correct heights.
- Reduce or eliminate direct pressure.
- Provide adequate clearance.
- Provide a suitable working environment.

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