Cradle Lock

CS-CRD-LOC-TC2/5/7

Installation Guide

ZEBRA

MN-005423-01EN Rev A

Copyright

2025/06/17

ZEBRA and the stylized Zebra head are trademarks of Zebra Technologies Corporation, registered in many jurisdictions worldwide. All other trademarks are the property of their respective owners. ©2025 Zebra Technologies Corporation and/or its affiliates. All rights reserved.

Information in this document is subject to change without notice. The software described in this document is furnished under a license agreement or nondisclosure agreement. The software may be used or copied only in accordance with the terms of those agreements.

For further information regarding legal and proprietary statements, please go to:

SOFTWARE: zebra.com/informationpolicy.
COPYRIGHTS: zebra.com/copyright.
PATENTS: ip.zebra.com.
WARRANTY: zebra.com/warranty.
END USER LICENSE AGREEMENT: zebra.com/eula.

Terms of Use

Proprietary Statement

This manual contains proprietary information of Zebra Technologies Corporation and its subsidiaries (“Zebra Technologies”). It is intended solely for the information and use of parties operating and maintaining the equipment described herein. Such proprietary information may not be used, reproduced, or disclosed to any other parties for any other purpose without the express, written permission of Zebra Technologies.

Product Improvements

Continuous improvement of products is a policy of Zebra Technologies. All specifications and designs are subject to change without notice.

Liability Disclaimer

Zebra Technologies takes steps to ensure that its published Engineering specifications and manuals are correct; however, errors do occur. Zebra Technologies reserves the right to correct any such errors and disclaims liability resulting therefrom.

Limitation of Liability

In no event shall Zebra Technologies or anyone else involved in the creation, production, or delivery of the accompanying product (including hardware and software) be liable for any damages whatsoever (including, without limitation, consequential damages including loss of business profits, business interruption, or loss of business information) arising out of the use of, the results of use of, or inability to use such product, even if Zebra Technologies has been advised of the possibility of such damages. Some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

Contents

About This Guide..... 4
Notational Conventions..... 4
Icon Conventions..... 4
Related Documents and Software..... 5

Getting Started..... 6
Parts List..... 6
Tool Required..... 6
Warning and Safety..... 7
Parts and Dimensions..... 7

Installation..... 9
Pre-Install Check..... 9
Cradle Lock Installation..... 9
Fixing the SharedCradle in Place..... 9
Checking Cable Connections..... 12
Connecting the Power Supply Unit (PSU)..... 13
Shelf Mounting..... 13
Using the Cradle Lock..... 13

Maintenance & Technical Specifications..... 15
Maintenance and Cleaning..... 15
Cleaning Procedure..... 15
Specifications..... 16

About This Guide

The guide provides information for installers and users of the Cradle Lock, designed for use with selected models from the TCx range of handheld devices.

NOTE: Some cradle lock designs in this guide may differ, as the later model has a different top-piece design.

IMPORTANT: If you have a problem with your equipment, contact Zebra Global Customer Support for your region. Contact information is available at: zebra.com/support.

Notational Conventions

The following notational conventions make the content of this document easy to navigate.

- **Bold** text is used to highlight the following:
  - Dialog box, window, and screen names
  - Dropdown list and list box names
  - Checkbox and radio button names
  - Icons on a screen
  - Key names on a keypad
  - Button names on a screen
- Bullets (•) indicate:
  - Action items
  - List of alternatives
  - Lists of required steps that are not necessarily sequential
- Sequential lists (for example, those that describe step-by-step procedures) appear as numbered lists.

Icon Conventions

The documentation set is designed to give the reader more visual clues. The following visual indicators are used throughout the documentation set.

NOTE: The text here indicates information that is supplemental for the user to know and that is not required to complete a task.

IMPORTANT: The text here indicates information that is important for the user to know.

CAUTION: If the precaution is not heeded, the user could receive a minor or moderate injury.

WARNING: If danger is not avoided, the user CAN be seriously injured or killed.

DANGER: If danger is not avoided, the user WILL be seriously injured or killed.

Related Documents and Software

For the latest version of this guide and all guides, go to zebra.com/support.

Getting Started

The Zebra range of Cradle Locks is designed to work with the TC2x, TC5x, and TC7x range of Mobile Devices and SharedCradles, with the exception of the TC7x Ethernet SharedCradle. The model of Cradle Lock chosen only works for the range of Mobile Devices for which it has been designed and should not be used for any other device. Each size of the Cradle Lock is available in either a 5-slot or 4-slot version so that the Battery Charger version of the SharedCradle may be accommodated. The Cradle Lock is a low-power device and can be powered from the same PSU (Power Supply Unit) that is used to power the SharedCradle. A suitable cable to split the power is provided with each Cradle Lock.

Parts List

Before proceeding, verify that your box contains the following items:

- Cradle lock

  Qty: 1
- Cable cover

  Qty: 1
- DC power splitter cable

  Qty: 1
- Pan head screws M5x12, Torx T25

  Qty: 2
- Manual unlock key

  Qty: 1
- Operating instructions

  Qty: 1

Tool Required

- T25 Torx Driver

Warning and Safety

WARNING:

- This product is a SELV (Safety Extra Low Voltage) device.
- DO NOT install the Cradle Lock outdoors or in locations where it could get wet.
- DO NOT install the Cradle Lock in areas of high vibration.
- DO NOT operate the Cradle Lock if it is damaged.
- DO ensure fingers and other objects are clear of the Cradle Lock when it is closing.
- DO unplug the Cradle Lock from the power supply before routine cleaning.
- The Cradle Lock is not to be used by persons (including children) with reduced physical, sensory, or mental capabilities, or a lack of experience and knowledge, unless they are under supervision or instruction.
- This equipment is not suitable for use in locations where children are likely to be present.
- The Cradle Lock must only be powered by an approved Zebra Power Supply.

Parts and Dimensions

Figure 1 Top View

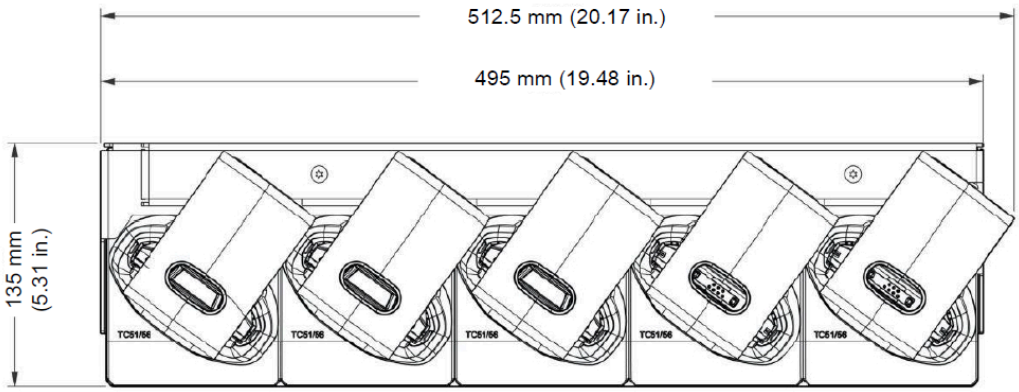


Figure 2 Front View

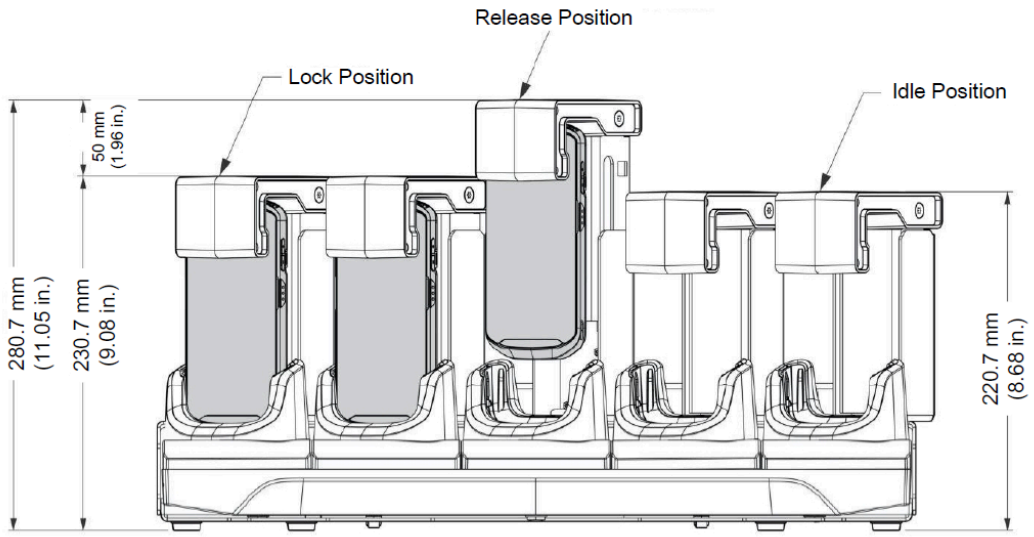
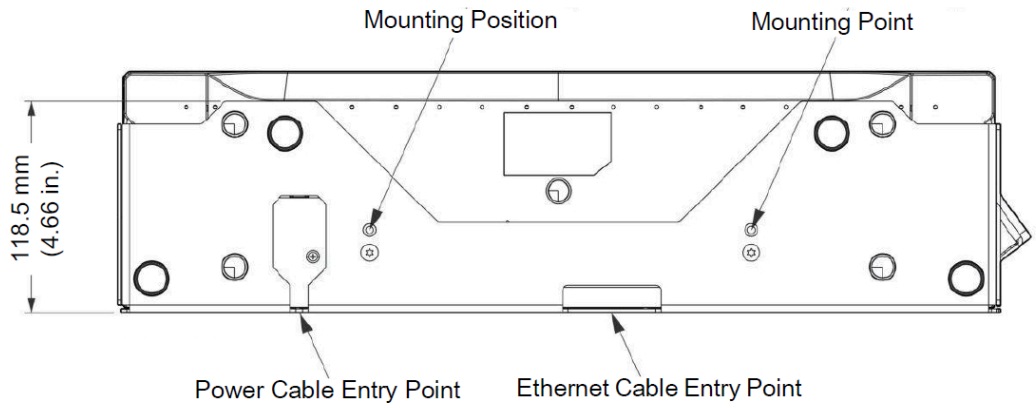


Figure 3 Bottom View



Installation

This section provides detailed information on installing and using the Cradle Lock.

Pre-Install Check

Remove any transit material from the Cradle Lock before use. Every effort is made to package the Cradle Lock securely. Before assembling, ensure that there is no visible damage to the product.

Cradle Lock Installation

Below are the requirements before installing the Cradle Lock, installing it, and using it with the devices.

Fixing the SharedCradle in Place

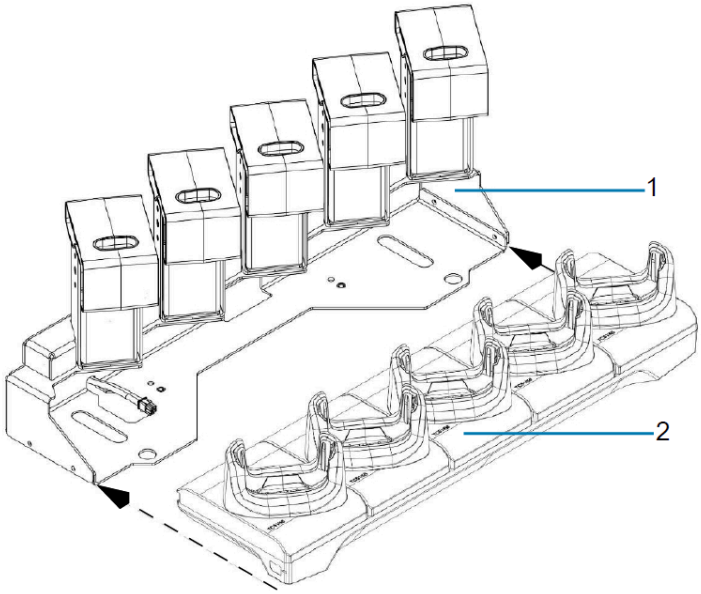
The DC splitter cable is connected to the Cradle Lock with the cable cover in place.

NOTE: It is easy to connect the cable to the SharedCradle after the SharedCradle has been fixed to the Cradle Lock. If you have difficulty, the cable can be disconnected from the Cradle Lock and plugged into the SharedCradle prior to fastening it to the Cradle Lock.

1. If an Ethernet cable must be connected to the SharedCradle, then feed it through the rear of the Cradle Lock now or after it is assembled.

NOTE: Some cradle lock designs shown in this guide may differ, as the later model has a different top-piece design.

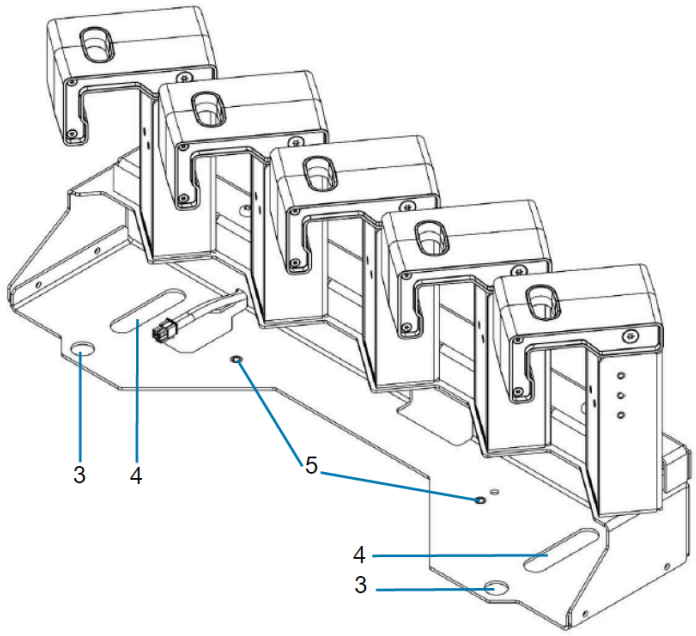
Figure 4 Connecting Cradle Lock and SharedCradle



2. Slide the SharedCradle (2) into the Cradle Lock (1).

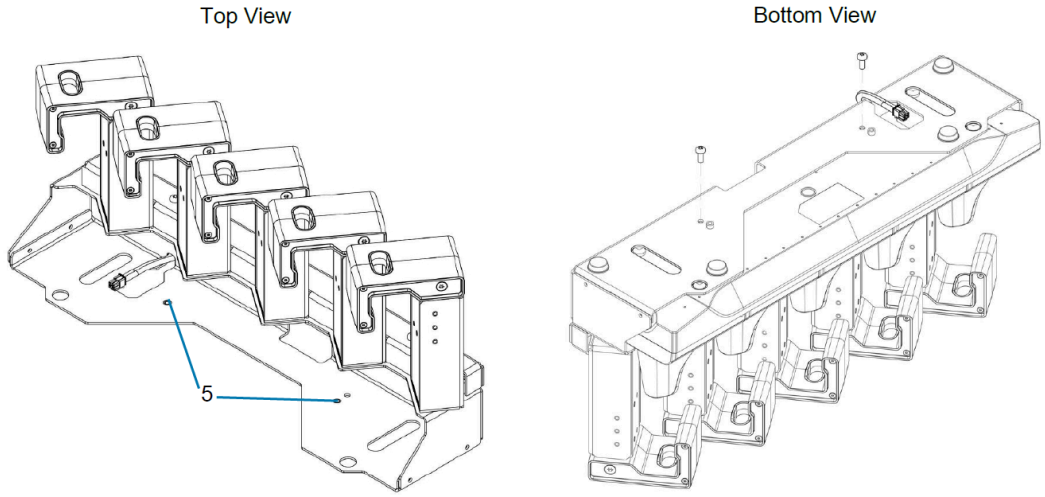
NOTE: Ensure the DC splitter cable is kept outside of the Cradle Lock while the ShareCradle is slid into position.

Figure 5 Cradle Lock Holes for SharedCradle Rubber Feet



The two large holes (3) and two large slots (4) in the base of the Cradle Lock are there to accept the four rubber feet of the SharedCradle when placed together.

Figure 6 Position of the SharedCradle for Head Screws



3. Fix the SharedCradle in position using two M5 x 12 Pan head screws (5).

4. Plug the four-way connector on the end of the DC splitter cable into the bottom of the SharedCradle.

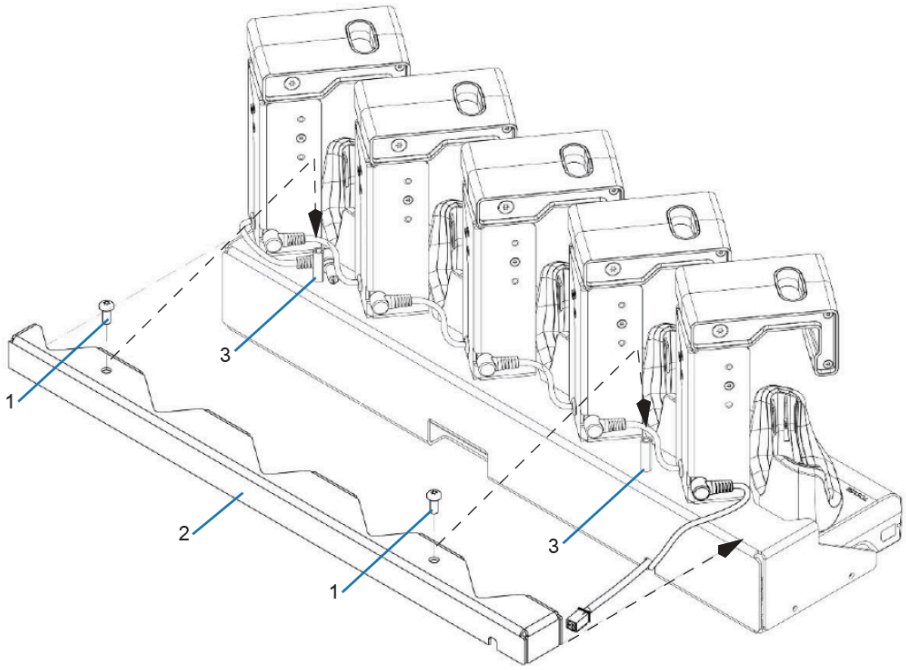
NOTE: If this is difficult, the cable cover may be removed, and the DC cable disconnected from the Cradle Lock. This allows the DC to be plugged into the SharedCradle before fixing the SharedCradle to the Cradle Lock.

Checking Cable Connections

If necessary, the Cable Lock connectors may be checked by removing the cable cover.

1. Remove the two M5 x12 Pan head screws.

Figure 7 Remove Cable Cover

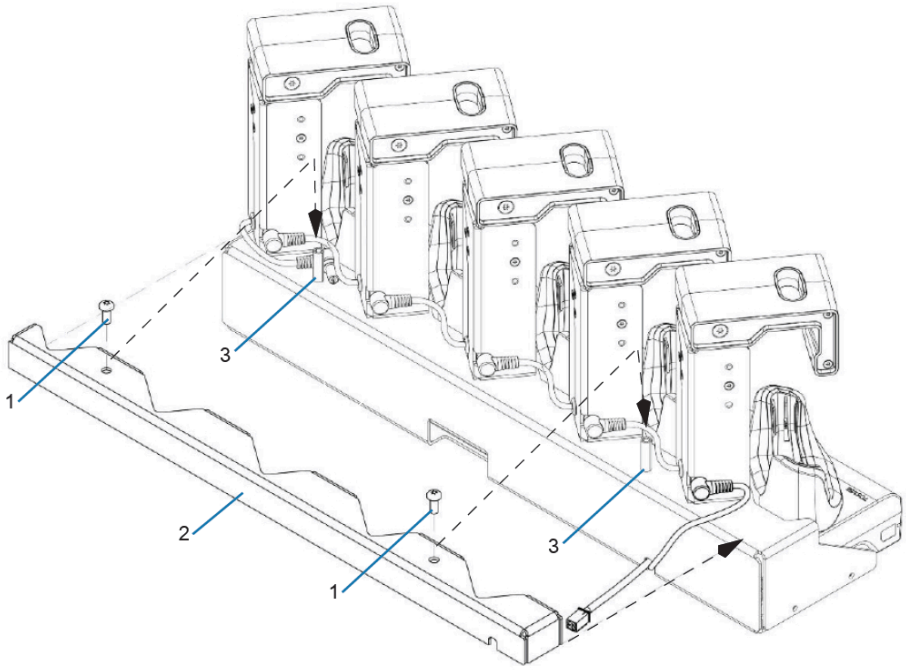


2. Remove the cable cover (2) to expose the Cradle Lock cabling.

Replacing Cable Cover

1. Place the cable cover (2) back into position; align the holes in the cable cover with the thread stand-offs (3) and lower.

Figure 8 Remove Cable Cover



2. Fasten the cable cover in place using two M5 x 12 screws (1).

Connecting the Power Supply Unit (PSU)

After the SharedCradle is attached to the Cradle Lock and the DC Splitter lead is connected, the DC lead from the PSU can be connected to the short lead protruding from the rear of the Cradle Lock (see Figure 2).

Shelf Mounting

If the Cradle Lock is used in a Zebra Guardian Cabinet, place the Cradle Lock on one of the shelves with the PSU situated behind it. The two fixing holes in the base of the Cradle Lock line up with the two holes in the shelf. Use two of the thumb screws provided with the cabinet to fix the Cradle Lock in position. Refer to the Zebra Guardian Cabinet Assembly Guide at zebra.com/support.

Using the Cradle Lock

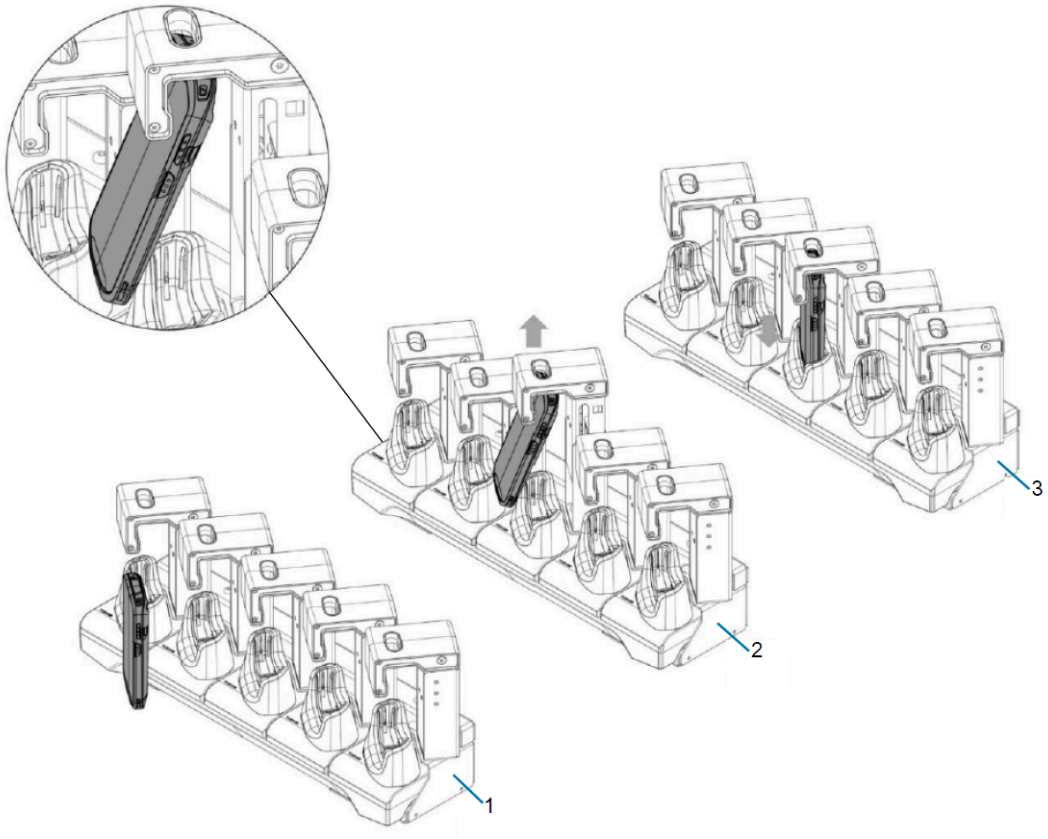
This section describes using the Cradle Lock to lock and unlock the devices.

Locking Devices

This section describes using the Cradle Lock.

1. Position the mobile device so that the display is facing you and the charging contacts are facing down (the same way you would position a device before inserting it into a charging SharedCradle).
2. Tilt the device slightly backward and move it underneath one of the locking clamps while lifting the clamp up. The locking mechanism only engages if a device is present in the SharedCradle.
3. Align the mobile device with the charging SharedCradle and lower it into position. Once the device has come to rest, a low click sounds, which indicates the lock engaging. The mobile device is now locked in position in the SharedCradle.

Figure 9 Cradle Lock



Unlocking Devices

The unlocking method is determined by the version of Device Guardian Access Management (DGAM) or other software running on the mobile device.

If the PIN code is accepted, the cradle lock releases after a few seconds. A low click sounds as the lock disengages. Lift the device vertically out of the cradle lock and allow the lock to return to its home position.

For more information, go to zebra.com/support.

Maintenance & Technical Specifications

This section provides information on the maintenance and technical specifications of the Cradle Lock.

Maintenance and Cleaning

Below are the steps for maintaining and cleaning the Cradle Lock daily, weekly, and monthly accordingly.

Cleaning Procedure

- For regular cleaning, use a dry or damp microfiber cloth.
- Do not use harsh chemical cleaning agents.
- Use an air duster to remove dust and debris from the sensors and mechanism.

Daily

- Visually check for foreign bodies in the locking cap or sliders.
- Keep device screens clean with recommended Zebra cleaning products and methods.

Weekly

- Unlock the mechanism, remove devices, and extend sliders fully.
- Use an air duster to remove dust and particles. Wipe the locking cap and outer sliders to remove dust buildup.

Monthly

Unlock the mechanism, remove devices, and use an air duster to remove dust and particles from the underside of the locking cap and sensors.

Specifications

This table provides a comprehensive overview of the essential technical details for the cradle lock.

Table 1 Specifications

Item	Descriptions
Model Number	CS-CRD-LOC-TC2, TC5, TC7
Capacity	Minimum 1 device; Maximum 5 devices
Power Input Rating	12V DC
Maximum Power	< 1 Watt
Standby Power	< 0.1 Watts
Operating Temperature	-10°C to 40°C (14°F to 104°F)
Storage Temperature	-40°C to 70°C (-40°F to 158°F)
Humidity	5% to 95% non-condensing
Sealing	IP20
Size (Width x Depth x Height)	512 mm x 118.5 mm x 230.7 mm (280.7 mm with clamp fully raised) 20.15 in. x 4.66 in. x 9.08 in. (11.05 in. with clamp fully raised)
Weight	5 Kg