

**Honeywell**

# **CW45 Accessories**

Universal and Standard

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**User Guide**

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# Customer Support

## Technical Assistance

To search our knowledge base for a solution or log into the Technical Support Portal and report a problem, go to [honeywell.com/PSTechnicalsupport](https://honeywell.com/PSTechnicalsupport).

## Product Service and Repair

Honeywell International Inc. provides service for all of its products through service centers throughout the world. Go to [sps.honeywell.com](https://sps.honeywell.com), and then select **Support > Productivity** to find a service center near you or to get a Return Material Authorization number (RMA #) before returning a product.

## Limited Warranty

For warranty information, go to [sps.honeywell.com](https://sps.honeywell.com) and select **Support > Productivity > Warranties**.



## INTRODUCTION

Honeywell offers a full range of standard and universal accessories for the CW45 mobile computer, including:

- Ethernet Homebase for one device and one battery ([page 3](#))
- Charge Base and Ethernet Base for up to four devices ([page 9](#))
- 5-Bay Charge Base ([page 11](#))
- Quad Battery Charger ([page 17](#))
- Replacement Cups for Universal Bases ([page 21](#))
- CW45 to 8675i Cable Adapter ([page 27](#))
- USB 2.0 Type-C Adapter ([page 31](#))
- Keypad ([page 35](#))

**Note:** Throughout this manual, all versions of the mobile device are referred to as the CW45 computer unless information is specific to a particular model.



**Caution:** We recommend the use of Honeywell accessories and power adapters. Use of any non-Honeywell accessories or power adapters may cause damage not covered by the warranty.

**Mise en garde:** Il est recommandé d'utiliser les périphériques, les cordons d'alimentation et les adaptateurs secteur conçus par Honeywell. L'utilisation de tout périphérique, cordon d'alimentation ou adaptateur secteur d'une autre marque est susceptible de provoquer des dommages non couverts par la garantie.



**Caution:** Make sure that all components are dry prior to using the computers and batteries with accessories. Using wet components may cause damage not covered by the warranty.

**Mise en garde:** Assurez-vous que tous les composants sont secs avant de connecter les terminaux/batteries à des périphériques. L'insertion de composants humides risque de provoquer des dommages non couverts par la garantie.

# List of Accessories

Accessory	Part Number
Universal Ethernet Home Base	CW45-EB-UVN
Universal Charge Base	CW45-CB-UVN
Universal Ethernet (Net) Base	CW45-NB-UVN
Universal 5-Bay Charge Base	CW45-5CB-UVN
Universal 5-Bay Charge Base with 4-Bay 8675i Scanner Cup	CW45-5CBS-UVN
Quad Battery Charger	CW45-QBC
Universal Cup	CW45-UCP-N
Quad Battery Charger Cup	CW45-UPC-QBC
4-Bay 8675i Scanner Cup	UCP4-SCN10
Home Base Battery Cup	CW45-UPC-BATTHEB
CW45 to 8675i Cable	CW45-8675-CBL
USB 2.0 Type-C Adapter	CW45-SN-CNV
Keypad	CW45-KPD

For a complete list of accessories for your CW45 mobile computer and their part numbers see the *Accessory Guide* for your device, available for download at [sps.honeywell.com](http://sps.honeywell.com).

Contact your local sales representative for ordering information.

## Agency Models

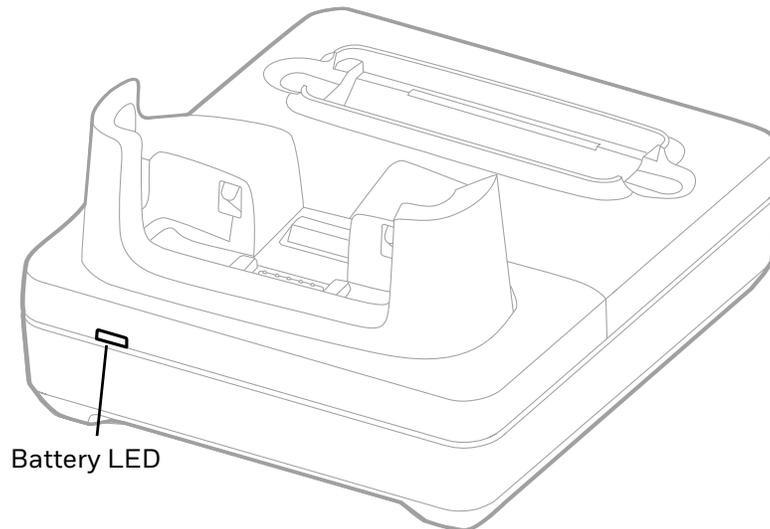
CT40-EB, CT40-CB, CT40-NB, CT30P-QBC, ME-5bay-CB, CW45-8675-CBL, CW45-USBC-CBL, CW45-EXT-KPD

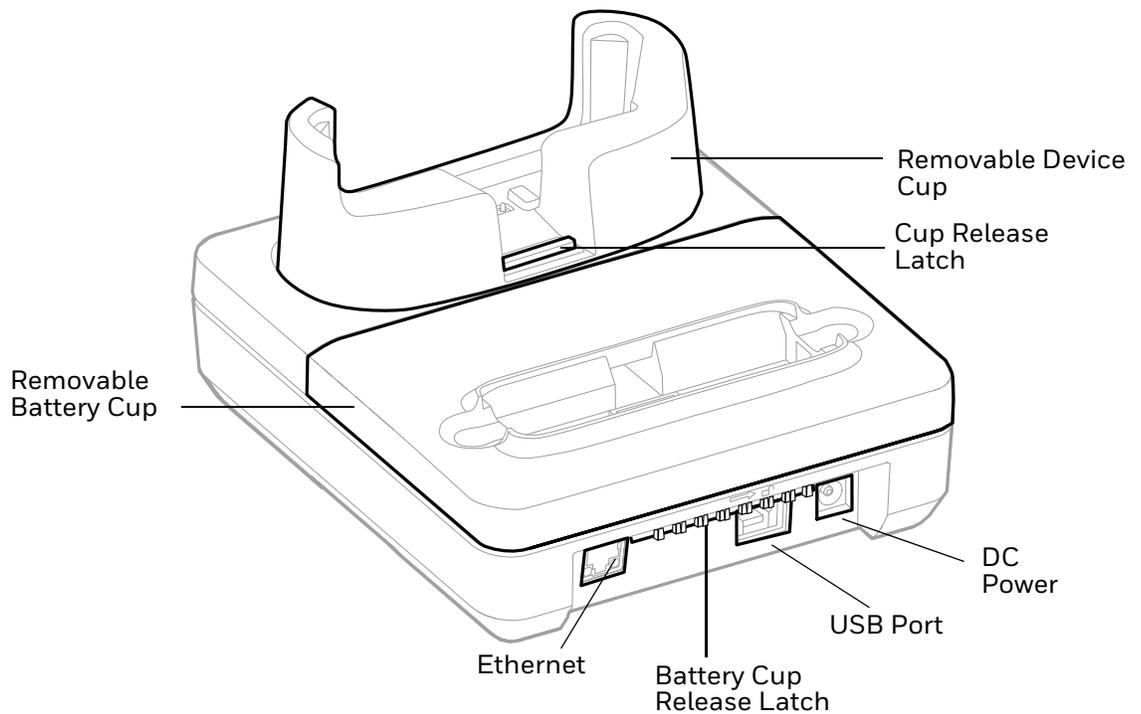
# UNIVERSAL DOCK ETHERNET HOME BASE

An Ethernet Home Base is a charge/communication base for one mobile computer and one spare battery. The CW45-EB-UVN Universal Dock Ethernet Home Base also has an Ethernet connector as well as a USB client connector (Type B).

Universal Dock bases have removable device cups that can be replaced. (See [Universal Dock Cups](#) on page 21.) The CW45-EB-UVN also has a removable battery cup. (See [Replace the Battery Cup](#) on page 6.)

## Features





## Out of the Box

Make sure that your shipping box contains these items:

- Universal Dock Ethernet Home Base (CW45-EB-UVN)
- Power supply
- Power cord (if purchased)
- Product documentation

If any of these items are missing or appear damaged, contact your Customer Account Representative. Keep the original packaging in the event that you need to return the base for service or if you want to store the charger while not in use.

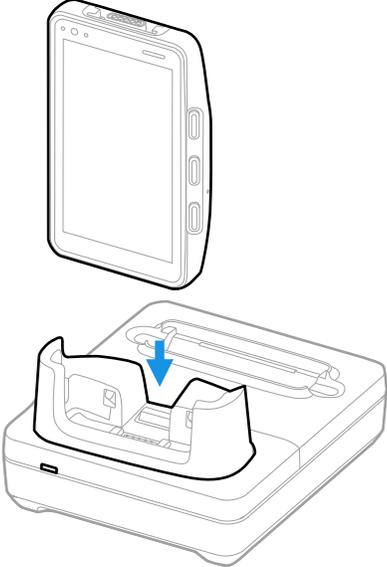
## Connect Power

Use only a UL Listed power supply that has been qualified by Honeywell with an output rated at 12VDC and 3A. The power supply input rating is 90-264 VAC, 50/60 Hz. The operating temperature is -10 °C to 50 °C (14 °F to 122 °F). The maximum output of the base is 5VDC/2A.

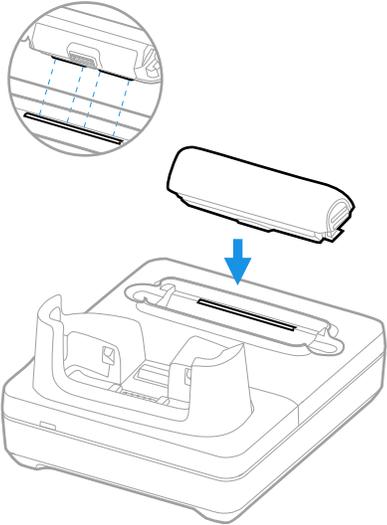
1. Plug the power cord into the power supply.
2. Plug the power supply cable into the power connector on the back of the base.
3. Plug the power cord into a standard wall outlet.

# Charge the Battery Pack

Insert computer into the CW45-EB-UVN. Unit will not charge unless a battery is installed.



You can also insert a battery pack into the Ethernet Home Base for charging by lining up the tabs on the battery with the slot on the base.



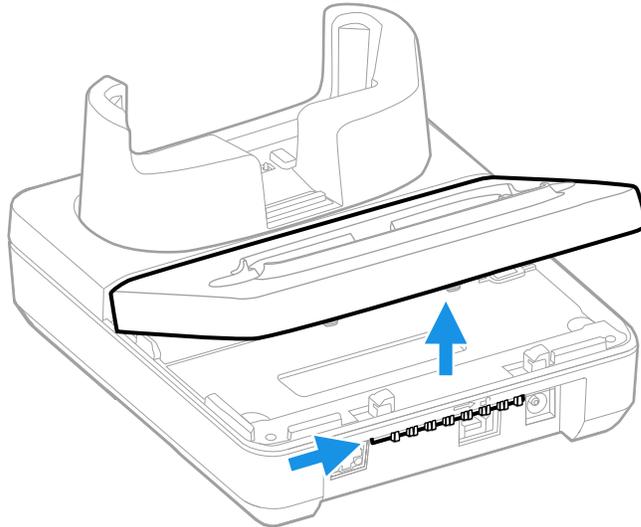
# Replace the Battery Cup

The CW45-EB-UVN has a replaceable battery cup (CW45-UPC-BATTHEB).

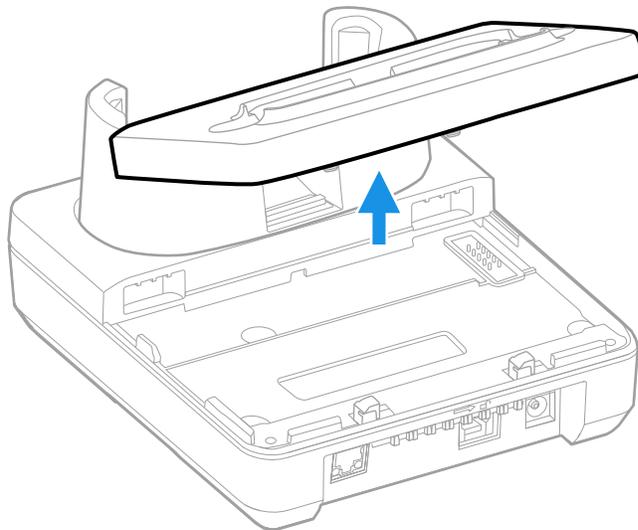


**Caution: Keep the base flat to avoid dropping the battery cup.**

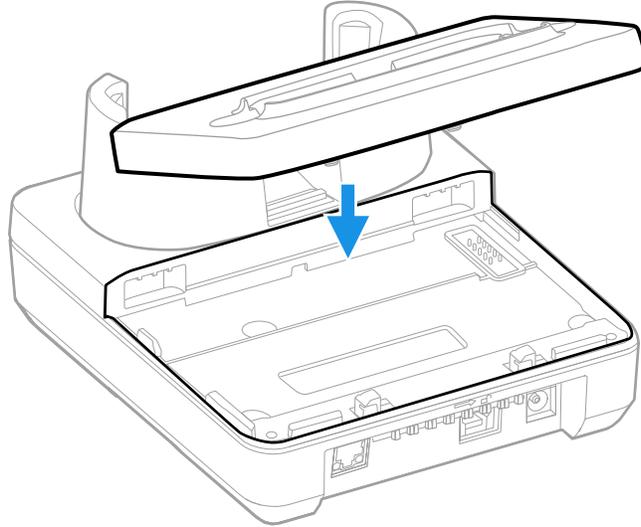
1. Remove all cables to allow clear access to the latch.
2. While holding the battery cup latch to the right, lift the back of the cup.



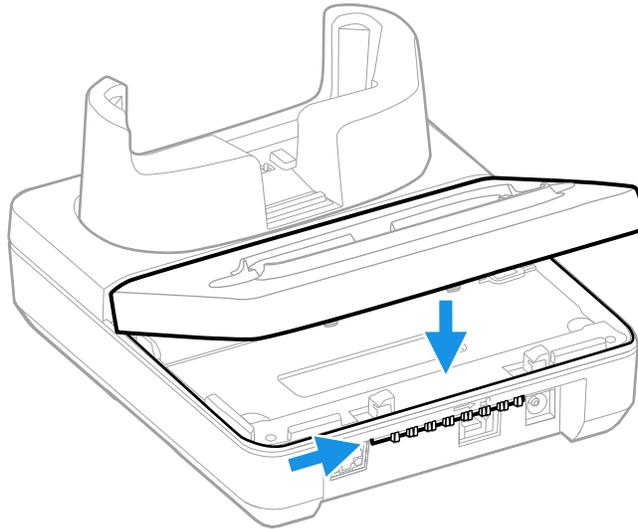
3. Release the latch and lift the old cup out of the base.



4. Insert the new cup tilted slightly towards the front of the base.



5. While holding the latch to the right, push the back of the cup into the base until it snaps in.



6. Release the latch.

## Status LED

LED	Status	Description
Battery	Solid Green	The battery is connected to external power and is fully charged.
	Solid Amber	The battery is connected to external power and is charging.
	Flashing Red	There is a battery charging fault, such as over-temperature.



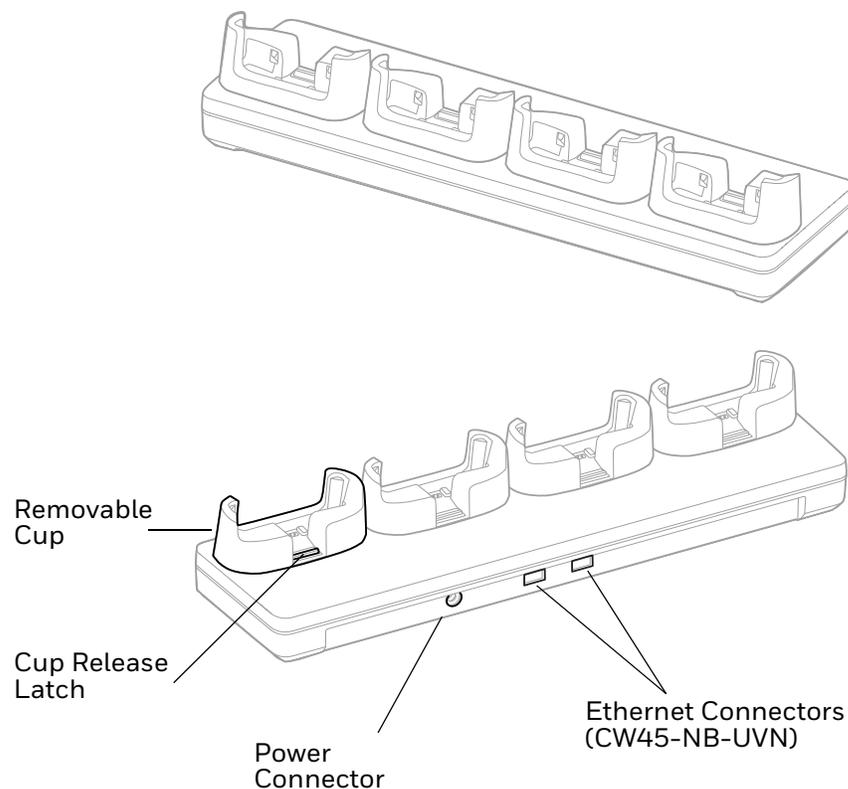
# UNIVERSAL DOCK CHARGE BASE AND ETHERNET BASE

The CW45-CB-UVN Universal Dock Charge Base charges up to four mobile computers.

The Ethernet (Net) Base CW45-NB-UVN base charges up to four mobile computers and functions as both a charge and communication base, with two RJ45 Ethernet Connectors.

Universal Dock bases have removable cups that can be replaced. (See [Universal Dock Cups](#) on page 21.)

## Features



# Out of the Box

Make sure that your shipping box contains these items:

- Universal Dock Charge Base (CW45-CB-UVN) or Ethernet Base (CW45-NB-UVN)
- Power supply
- Power cord (if purchased)
- Product documentation

If any of these items are missing or appear damaged, contact your Customer Account Representative. Keep the original packaging in the event that you need to return the base for service or if you want to store the charger while not in use.

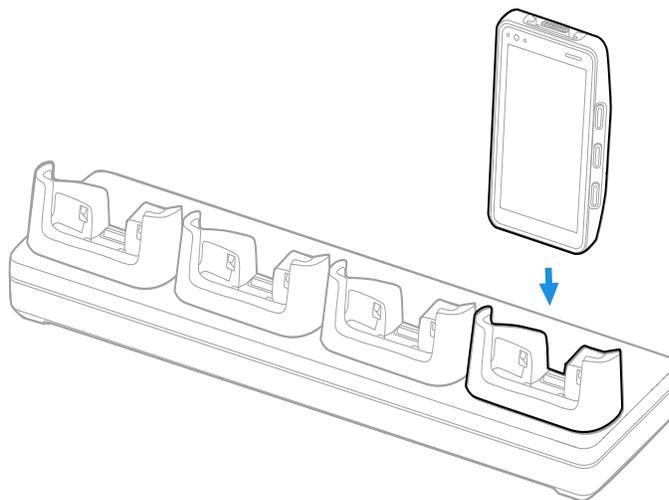
# Connect Power

Use only a UL Listed power supply that has been qualified by Honeywell with an output rated at 12V/7A. The power supply input rating is 100-240 VAC, 50/60 Hz. The operating temperature is -10 °C to 50 °C (14 °F to 122 °F).

1. Plug the power cord into the power supply.
2. Plug the power supply cable into the power connector on the back of the base.
3. Plug the power cord into a standard wall outlet.

# Charge the Battery Pack

Insert device with battery installed into the charge base.



# UNIVERSAL DOCK 5-BAY CHARGE BASES

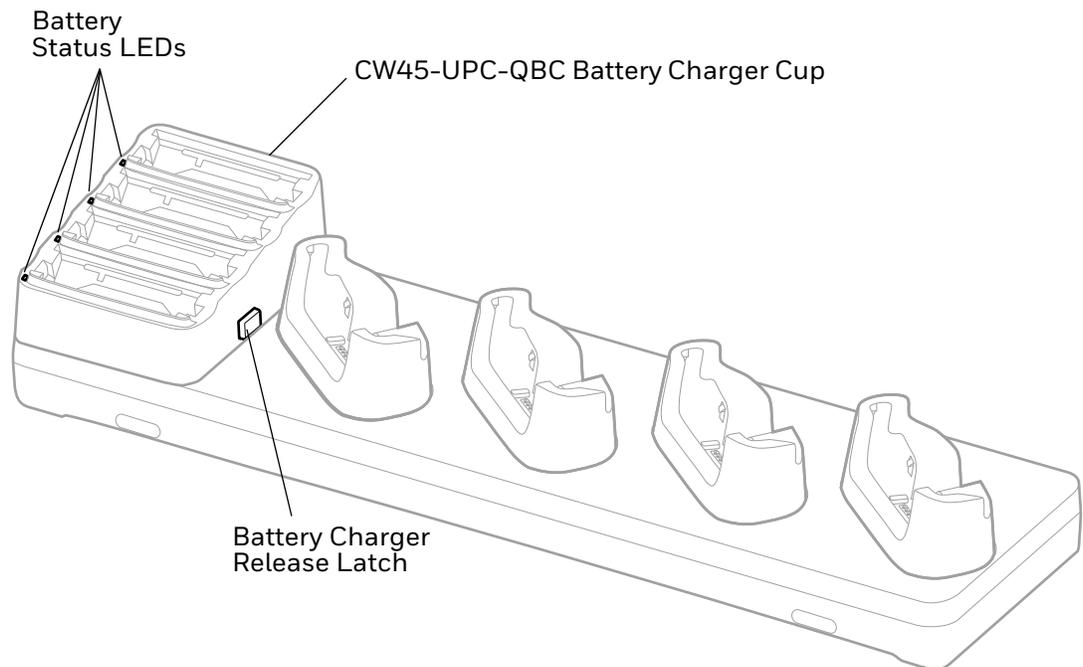
The Universal Dock Five-Bay Charge Base CW45-5CB-UVN provides the flexibility of charging five units or four units and four batteries with a four-bay CW45 battery charger cup (CW45-UPC-QBC).

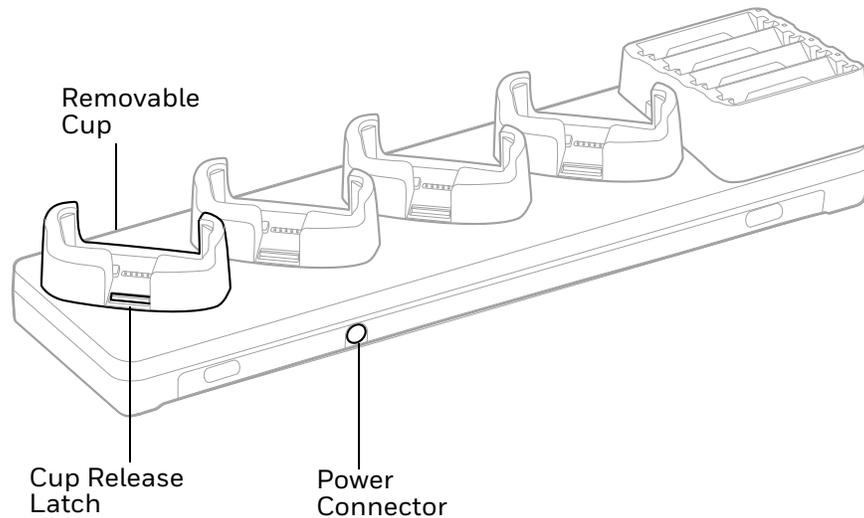
The Universal Dock Five-Bay Charge Base with 4-Bay 8675i Scanner Cup CW45-5CBS-UVN charges up to four CW45 devices and four 8675i scanners with a four-bay scanner cup (UCP4-SCN10).

Universal Dock bases have removable cups that can be replaced. (See [Universal Dock Cups](#) on page 21.)

## Features

**Note:** The CW45-5CB-UVN is shown below for illustrative purposes.





## Out of the Box

Make sure that your shipping box contains these items:

- Universal Dock Five-Bay Charge Base (CW45-5CB-UVN or CW45-5CBS-UVN)
- Power supply
- Power cord (if purchased)
- Product documentation

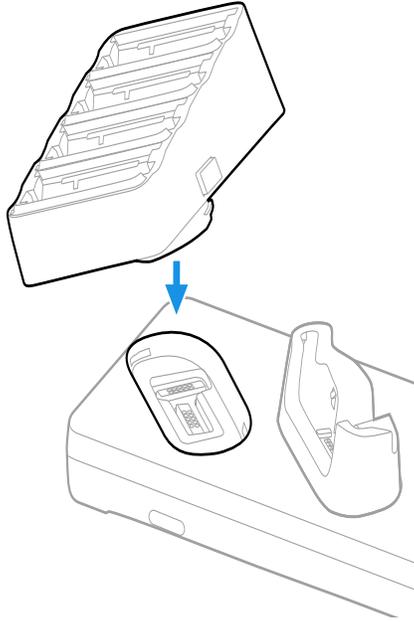
If any of these items are missing or appear damaged, contact your Customer Account Representative. Keep the original packaging in the event that you need to return the base for service or if you want to store the charger while not in use.

## Insert a Charger

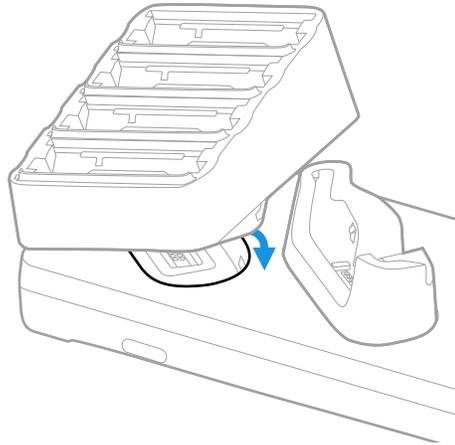
**Note:** *Charger must be installed in the location shown below.*

**Note:** *These instructions show the CW45-UPC-QBC Quad Battery Charger Cup for illustrative purposes. However, these same steps can be used to insert the Four-Bay 8675i Scanner Cup (UCP4-SCN10).*

1. Insert the charger cup tilted slightly to the left of the base.



2. Press the latch release button as you push the charger cup down until it snaps in.



## Connect Power

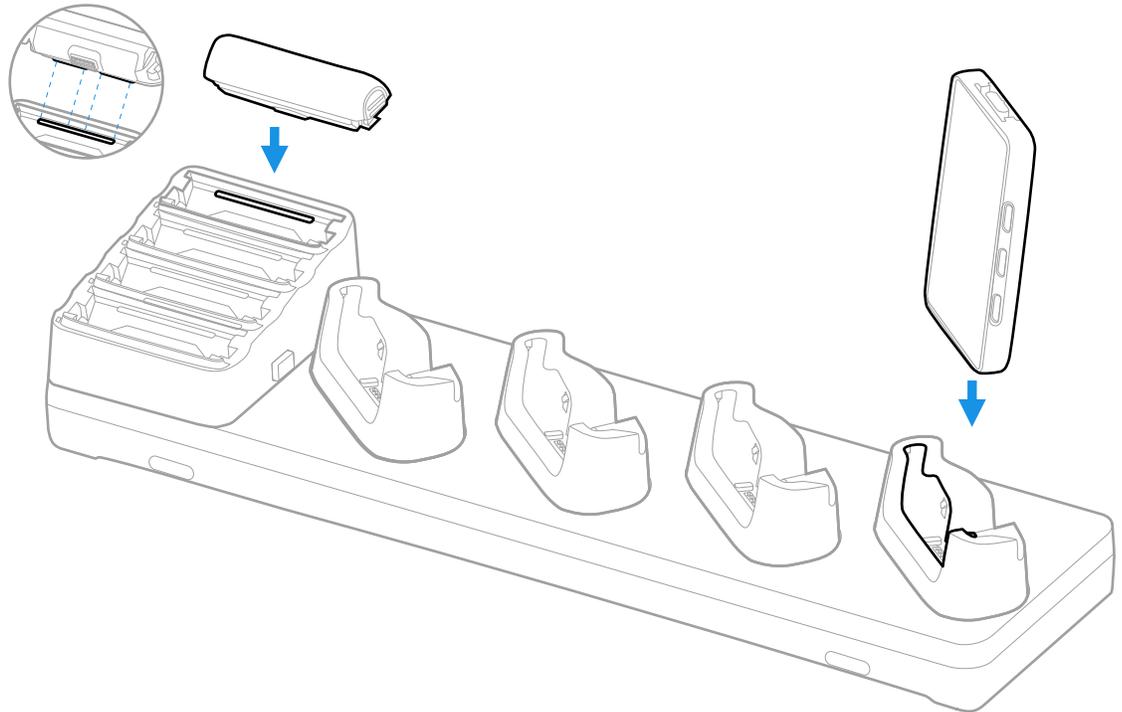
Use only a UL Listed power supply that has been qualified by Honeywell with an output rated at 12V/8.3A. The power supply input rating is 100-240 VAC, 50/60 Hz. The operating temperature is 0 °C to 45 °C (32 °F to 113 °F).

1. Plug the power cord into the power supply.
2. Plug the power supply cable into the power connector on the back of the base.
3. Plug the power cord into a standard wall outlet.

## Charge the Battery Pack

Insert a device with a battery installed into the 5-Bay Charge Base.

When using the CW45 Quad Battery Charger cup, insert a battery into the battery charger by lining up the tabs on the battery with the slot in the charger.



# Status LED

CW45-UPC-QBC Battery Charger Cup LEDs:

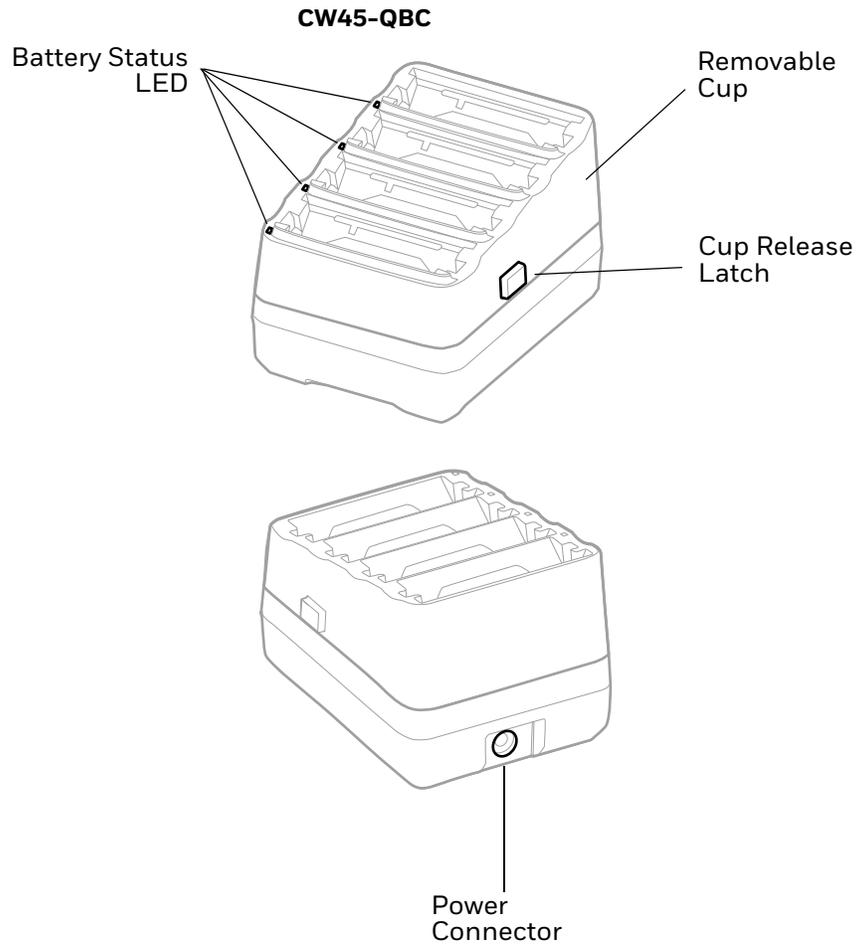
<b>LED</b>	<b>Status</b>	<b>Description</b>
Battery	Solid Green	The battery is connected to external power and is fully charged.
	Solid Amber	The battery is connected to external power and is charging.
	Flashing Red	There is a battery charging fault, such as over-temperature.



# QUAD BATTERY CHARGER

The Quad Battery Charger charges up to four CW45 batteries. The battery charger also has a removable battery cup. (See [Replace the QBC Battery Cup](#) on page 19.)

## Features



# Out of the Box

Make sure that your shipping box contains these items:

- Quad Battery Charger (CW45-QBC)
- Power supply
- Power cord (if purchased)
- Product documentation

If any of these items are missing or appear damaged, contact your Customer Account Representative. Keep the original packaging in the event that you need to return the charger for service or if you want to store it while not in use.

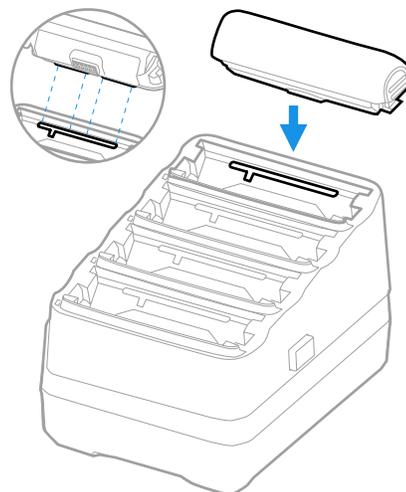
# Connect Power

Use only a UL Listed power supply that has been qualified by Honeywell with an output rated at 12V/3A. The power supply input rating is 100-240 VAC, 50/60 Hz. The operating temperature is 0 °C to 45 °C (32 °F to 113 °F).

1. Plug the power cord into the power supply.
2. Plug the power supply cable into the power connector on the back of the base.
3. Plug the power cord into a standard wall outlet.

# Charge the Battery

Insert one to four battery packs into the charger by lining up the tabs on the battery with the slot in the charger.



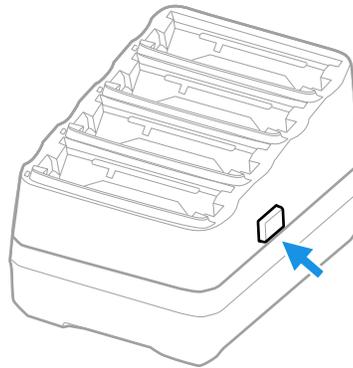
# Status LED

LED	Status	Description
Battery	Solid Green	The battery is connected to external power and is fully charged.
	Solid Amber	The battery is connected to external power and is charging.
	Flashing Red	There is a battery charging fault, such as over-temperature.

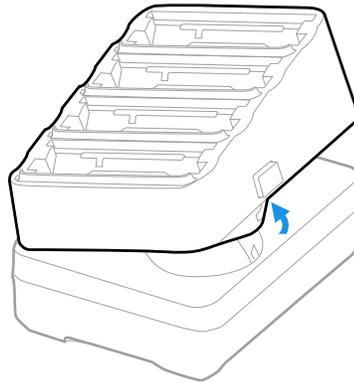
## Replace the QBC Battery Cup

The CW45 QBC has a replaceable battery cup (CW45-UPC-QBC).

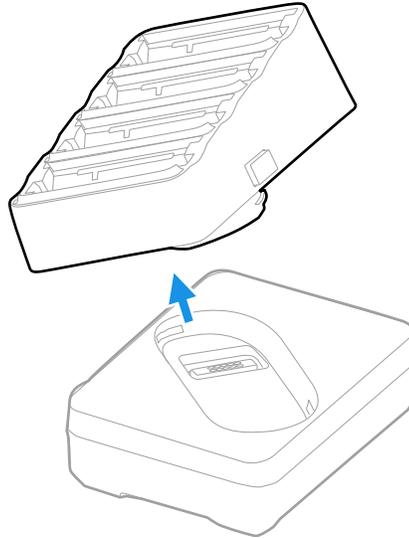
1. Push the release latch in.



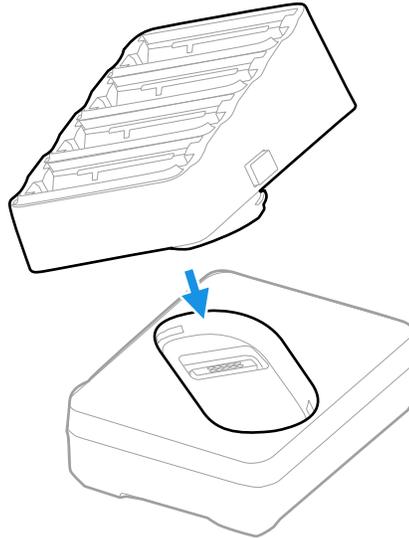
2. Tilt the latch side of the cup upwards.



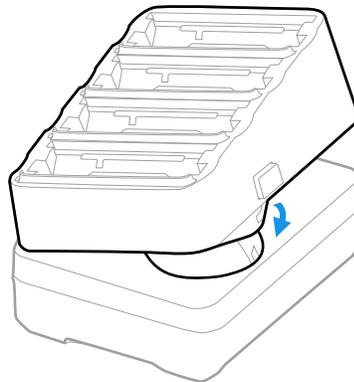
3. Lift the old cup out of the base.



4. Insert the new cup tilted slightly towards the side of the base.



5. Push the cup into the base until it snaps in.



# UNIVERSAL DOCK CUPS

Universal Dock bases have removable device cups that can be replaced with Universal Cup CW45-UCP-N.

For more information about universal docks for CW45 computers, see:

- [Universal Dock Ethernet Home Base](#) (page 3)
- [Universal Dock Charge Base and Ethernet Base](#) (page 9)
- [Universal Dock 5-Bay Charge Bases](#) (page 11)

## Out of the Box

Make sure that your shipping box contains these items:

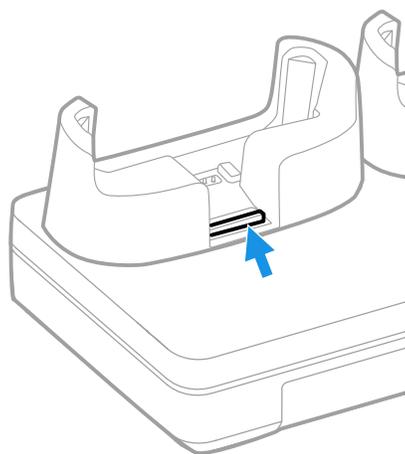
- Universal Cup (CW45-UCP-N)

If any of these items are missing or appear damaged, contact your Customer Account Representative. Keep the original packaging in the event that you need to return the base for service or if you want to store the charger while not in use.

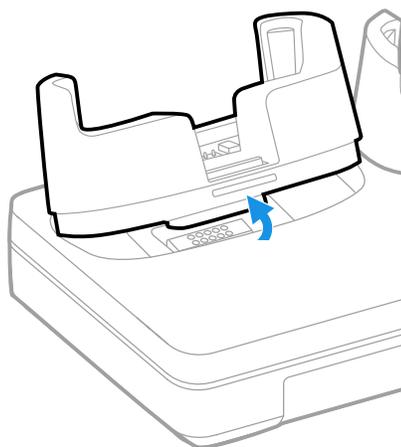
# Replacing a Universal Cup

**Note:** A Charge Base is shown in the instructions below for illustration purposes. The steps for removing and inserting a cup are the same for all Universal Dock bases.

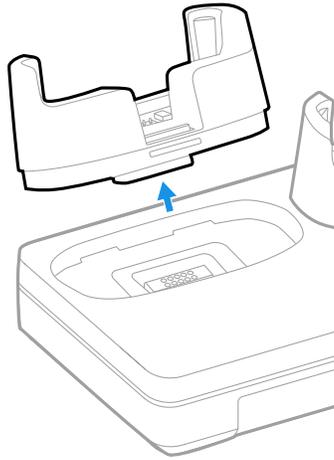
1. Push the latch towards the front of the base.



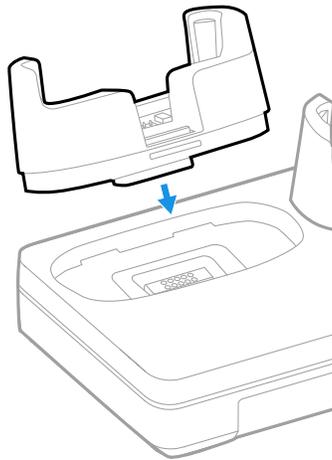
2. Tilt the back of the cup upwards.



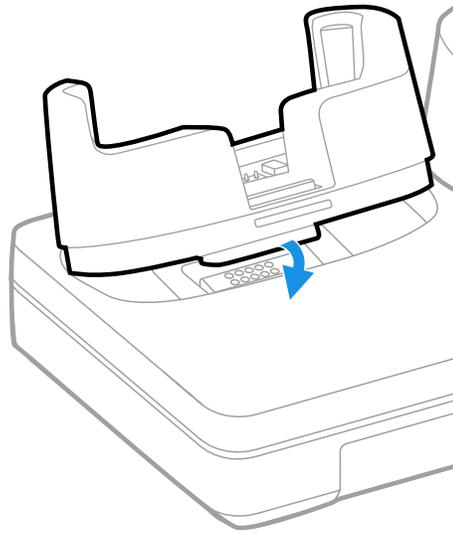
3. Lift the old cup out of the base.



4. Insert the new cup tilted slightly towards the front of the base.



5. Push the cup into the base until it snaps in.



# MOUNT A CHARGING DOCK

## Mount a Charging Dock

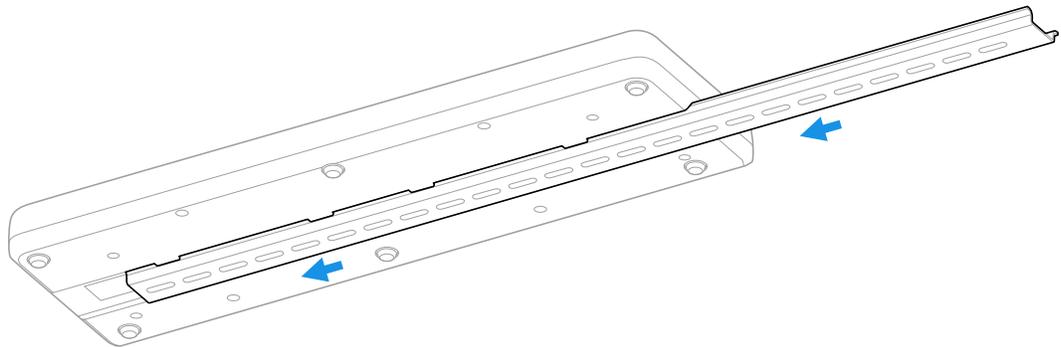
You can mount CW45 docks and chargers on a flat, horizontal surface such as a desktop or workbench using an optional DIN rail.

Mounting hardware required:

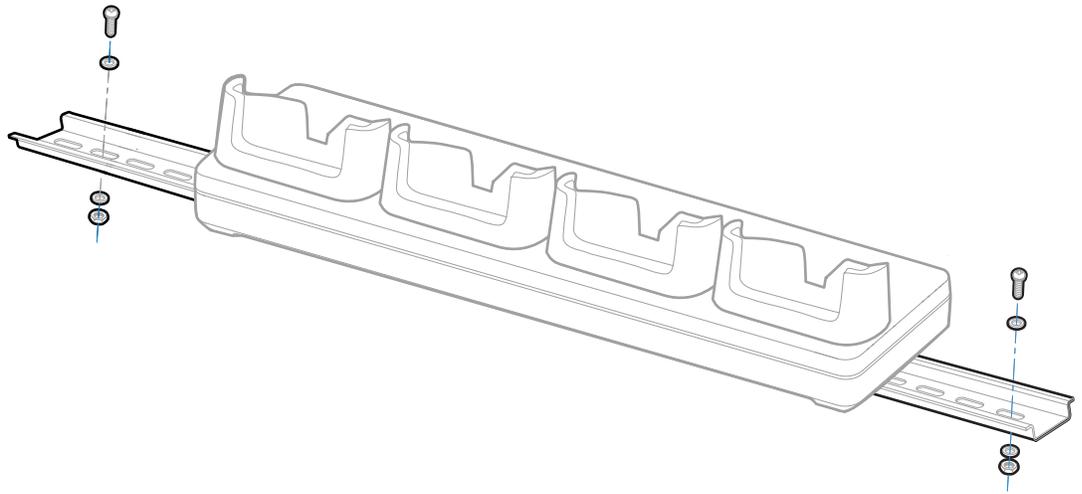
- DIN rail
- 3/16-inch diameter x 5/8-inch long pan head screw
- 1/2-inch OD x 7/32-inch ID x 3/64-inch thick washer
- 3/16-inch diameter nut

**Note:** A Charge Base is shown in the instructions below for illustration purposes. The mounting steps are the same for all CW45 docks and chargers.

1. Slide the DIN rail into the slot on the bottom.



2. Secure the DIN rail to the flat surface with the hardware.

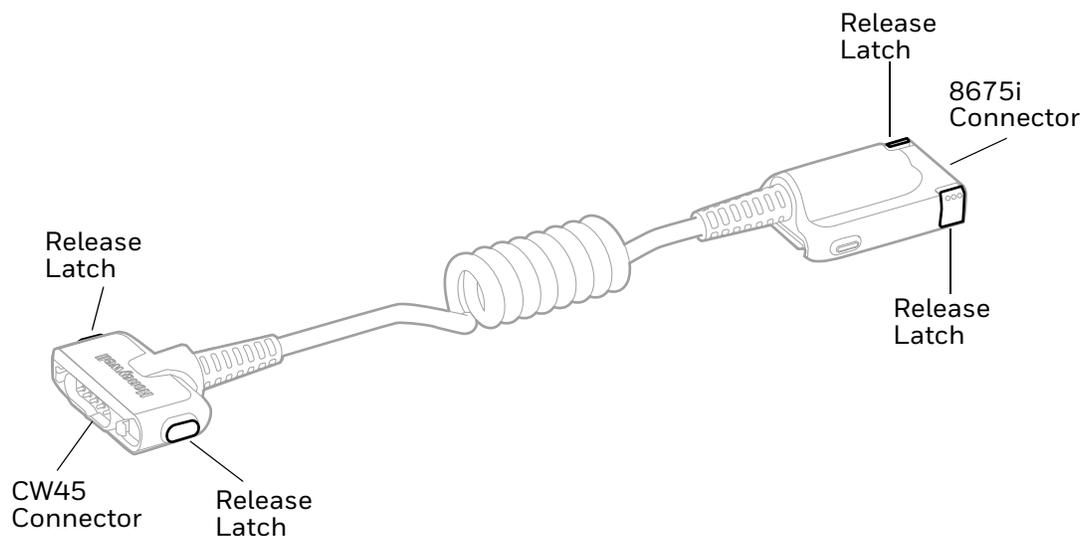


**Note:** Charging cup appearance may differ depending on model.

# CW45 TO 8675I CABLE ADAPTER

The CW45-8675-CBL adapter connects a CW45 to an 8675i Rugged Compact Wearable Scanner (sold separately). The cable provides power and communications between the CW45 and the scanner. For more information about 8675i scanners, refer to the 8675i product page at [sps.honeywell.com](https://sps.honeywell.com).

## Features



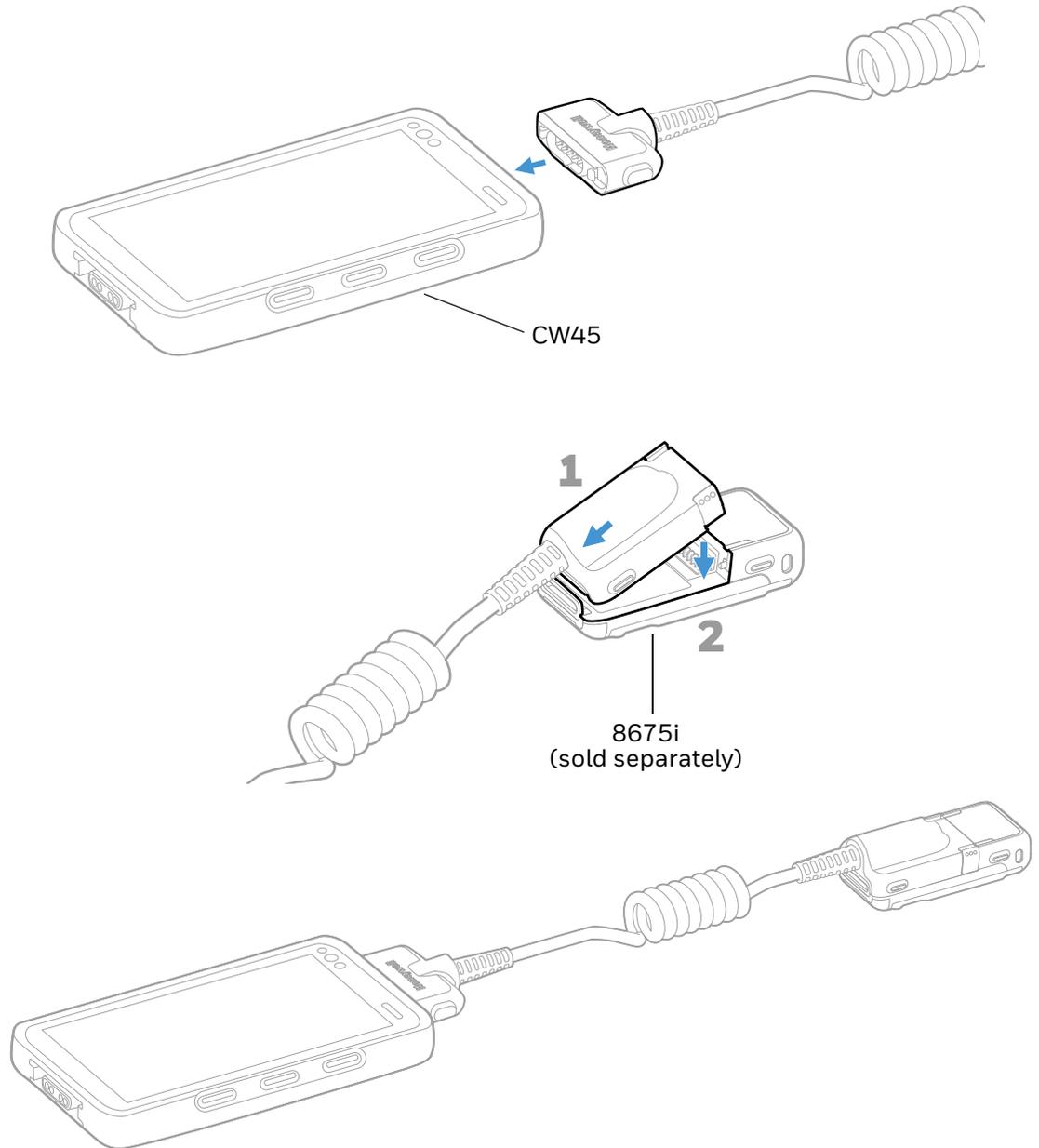
## Out of the Box

Make sure that your shipping box contains these items:

- CW45-8675 Cable Adapter (CW45-8675-CBL)
- Product documentation

# Connecting the Cable

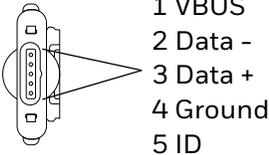
**Note:** The CW45-8675-CBL can be connected to either I/O connector on a CW45, depending on whether the device will be worn on the left or right arm. For more information about the CW45 mount system, refer to the CW45 Quick Start Guide available from [sps.honeywell.com](http://sps.honeywell.com).



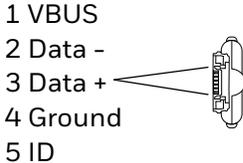
**Note:** If the connected CW45 is inserted into a charging base, communication with the ring scanner will be interrupted.

# Cable Pinouts

## CW45 Connector



## 8675i Connector



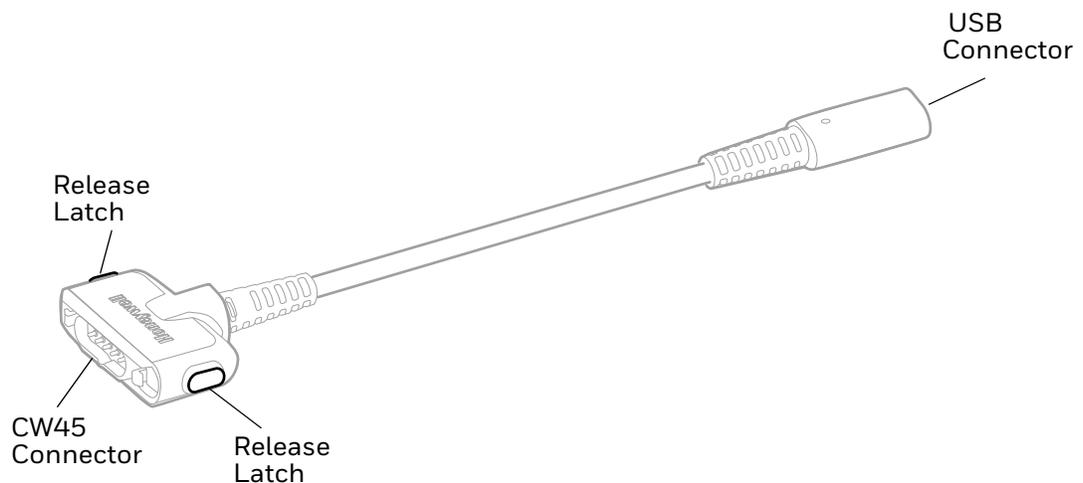


# CW45 USB 2.0 TYPE-C ADAPTER

The CW45 USB 2.0 Type-C Adapter enables conventional USB 2.0 charging at 5V and USB communication via connection to a USB Type-C cable (sold separately).

**Note:** *The adapter is not compatible with USB-C variable voltage/amperage in new USB-C standard chargers.*

## Features



## Out of the Box

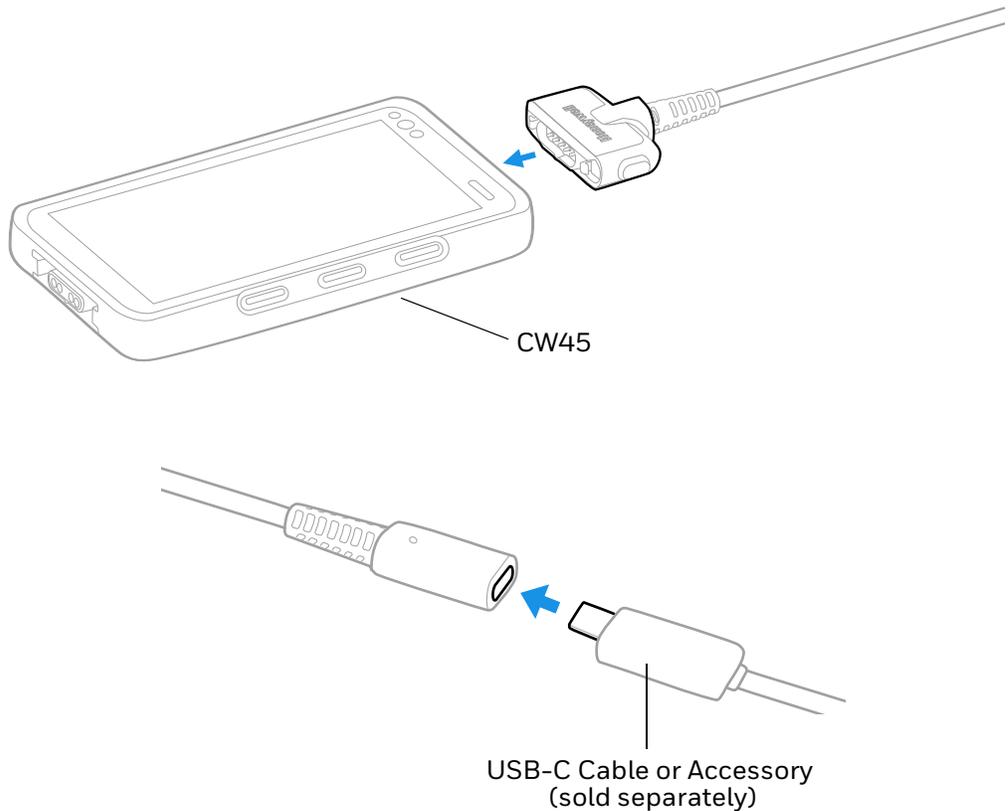
Make sure that your shipping box contains these items:

- CW45 USB 2.0 Type-C Adapter (CW45-SN-CNV)
- Product documentation

If any of these items are missing or appear damaged, contact your Customer Account Representative. Keep the original packaging in the event that you need to return the adapter for service or if you want to store it while not in use.

# Connecting the Adapter

**Note:** The CW45-SN-CNV adapter can be connected to either I/O connector on a CW45, depending on whether the device will be worn on the left or right arm. For more information about the CW45 mount system, refer to the CW45 Quick Start Guide available from [sps.honeywell.com](https://sps.honeywell.com).



**Note:** If the connected CW45 is inserted into a charging base, communication will be interrupted.

## Connect Power

You can charge your unit via the CW45 USB 2.0 Type-C Adapter and a USB cable by connecting the assembly to a USB port on a host device or with the optional 5VDC/2A wall charger (p/n 50130570-001).

The operating temperature is -10 °C to 50 °C (14 °F to 122 °F).

# Charge the Battery Pack

## Charge from a USB Port on a Host Device

Charging the battery through a USB port takes more time than direct charging using the optional wall charger.

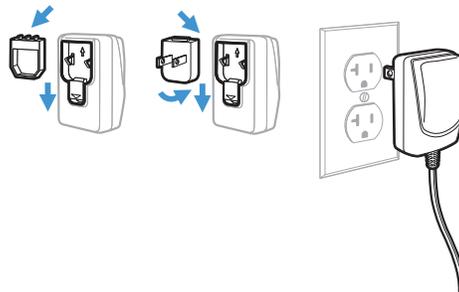
1. Connect the CW45-SN-CNV adapter to a CW45 computer.
2. Connect the CW45-SN-CNV adapter to a USB-A to USB-C cable such as the Honeywell CBL-500-120-S00-05.
3. Connect the USB cable to your personal computer.

**Note:** *Inadequate source current may lengthen the charge time or prevent the battery from charging if the terminal is drawing more current than supplied by the USB port.*

## Charge with Optional Wall Charger (50130570-001)

Use only a UL listed power supply that has been qualified by Honeywell with an output rated at 5VDC/2A with the device.

1. Slide the regional plug adapter into the wall charger.
2. Connect a USB cable to the wall charger.
3. Plug the wall charger into an AC power outlet.



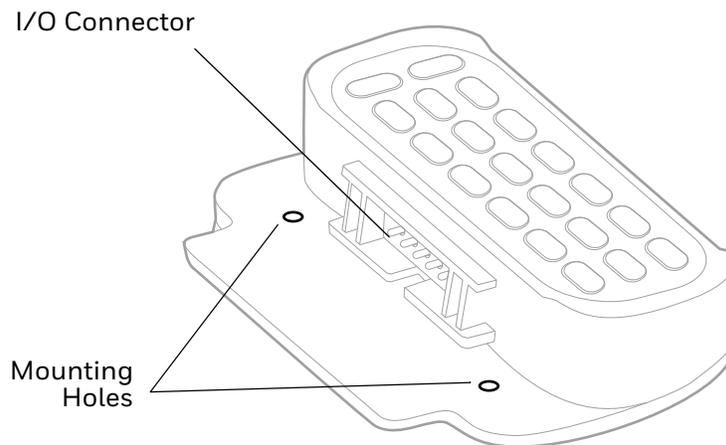
4. Connect the CW45-SN-CNV adapter to the USB cable.
5. Connect the CW45-SN-CNV adapter to a CW45 computer.



The CW45-KPD keypad is an optional extended keyboard with 20 multi-function buttons/shift keys for manual data entry.

This chapter explains how to install the keypad. For information on how to use the keypad with a CW45 mobile computer, refer to the *CW45 User Guide*, which is available on the product page at [sps.honeywell.com](http://sps.honeywell.com).

## Features



## Out of the Box

Make sure that your shipping box contains these items:

- CW45 Keypad (CW45-KPD)
- M2 x 0.4 screws (2)
- Product documentation

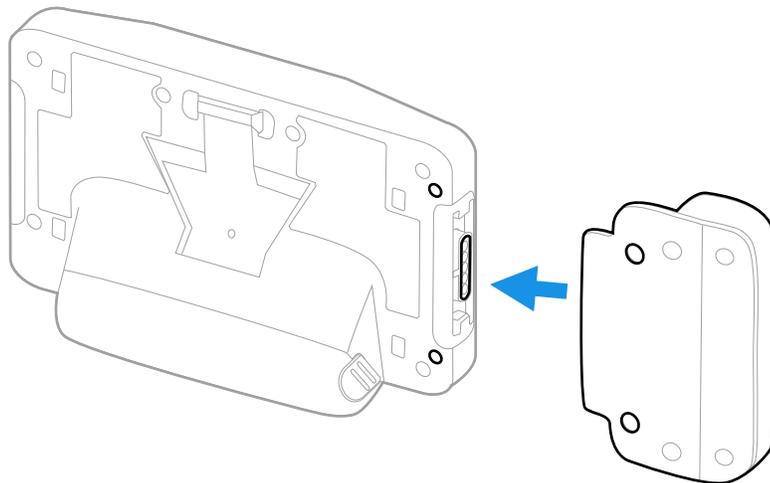
If any of these items are missing or appear damaged, contact your Customer Account Representative. Keep the original packaging in the event that you need to return the adapter for service or if you want to store it while not in use.

## Installing the Keypad

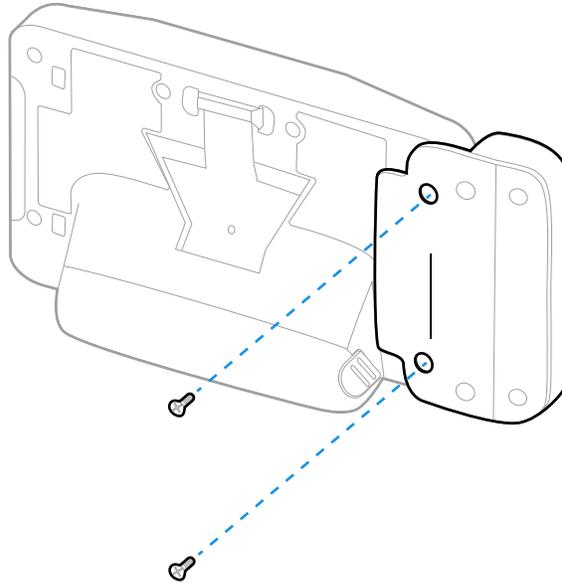
A CW45 computer with an attached keypad can be worn on either the left or right arm. However, the CW45-KPD can only be connected to the I/O connector on the right-hand side of the CW45.

**Note:** *Ensure your device's firmware is up to date before installing a keypad. For more information about firmware updates, refer to the CW45 User Guide, which is available on the product page at [sps.honeywell.com](https://sps.honeywell.com).*

1. Remove the mount assembly from the CW45 by pressing the release latch. (For more information, refer to the CW45 Quick Start Guide available at [sps.honeywell.com](https://sps.honeywell.com).)
2. Attach the keypad to the right-hand I/O connector of the CW45. Ensure that the mounting holes are lined up on the device and the keypad.



- Secure the keypad in place with the screws provided.



- Reattach the mount assembly.

**Note:** *If the CW45 with attached keypad is inserted into a charging base, communication with the keypad will be interrupted.*





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