Cisco Wireless IP Phone 882x Series Accessory Guide

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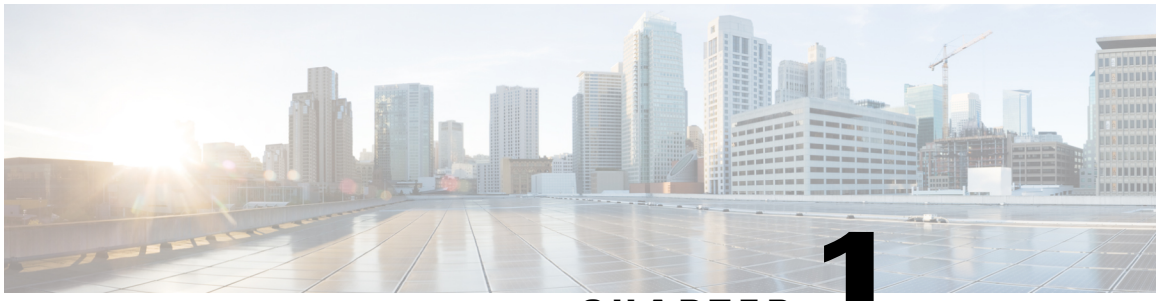


CHAPTER 1

Accessories for Your Cisco Wireless IP Phone

- Supported Accessories, page 1
- Accessory Guidelines, page 1
- Documentation, Support, and Security Guidelines, page 2

Supported Accessories

You can use a number of accessories with your Cisco Wireless IP Phone 882x Series phone. Some accessories are Cisco products and other accessories are third-party products.

For a list of supported Cisco accessories and Cisco part numbers, see Cisco Accessory Part Numbers, on page 18.

Accessory Guidelines

Follow these guidelines when using accessories with your Cisco Wireless IP Phone 882x Series:

- Use only chargers, batteries, and accessories that are approved by the phone manufacturer. Use of unapproved chargers, batteries, and accessories might be dangerous, and invalidates the warranty on your phone.
- Do not adhere a clip to the back of the phone or insert a clip between the phone and battery cover because it can damage the battery.
- When disconnecting the power cord of any accessory, grasp and pull the plug. Do not pull the cord.
- Keep accessories out of the reach of young children.
- Clean the phone with a soft, dry cloth or a moist wipe.
- The phone is resistant to dust and spills, but you can further protect your phone with a cover case.

Important Headset Safety Information

High Sound Pressure—Avoid listening to high volume levels for long periods to prevent possible hearing damage.

When you plug in your headset, lower the volume of the headset speaker before you put the headset on. If you remember to lower the volume before you take the headset off, the volume will start lower when you plug in your headset again.

Be aware of your surroundings. When you use your headset, it may block out important external sounds, particularly in emergencies or in noisy environments. Don't use the headset while driving. Don't leave your headset or headset cables in an area where people or pets can trip over them. Always supervise children who are near your headset or headset cables.

Documentation, Support, and Security Guidelines

For information on obtaining documentation, obtaining support, providing documentation feedback, reviewing security guidelines, and also recommended aliases and general Cisco documents, see the monthly *What's New in Cisco Product Documentation*, which also lists all new and revised Cisco technical documentation, at:

http://www.cisco.com/c/en/us/td/docs/general/whatsnew/whatsnew.html

Subscribe to the *What's New in Cisco Product Documentation* as a Really Simple Syndication (RSS) feed and set content to be delivered directly to your desktop using a reader application. The RSS feeds are a free service and Cisco currently supports RSS Version 2.0.

Cisco Wireless IP Phone 882x Series Documentation

Refer to publications that are specific to your language, phone model, and call control system. Navigate from the following documentation URL:

https://www.cisco.com/c/en/us/support/collaboration-endpoints/unified-ip-phone-8800-series/tsd-products-support-series-home.html

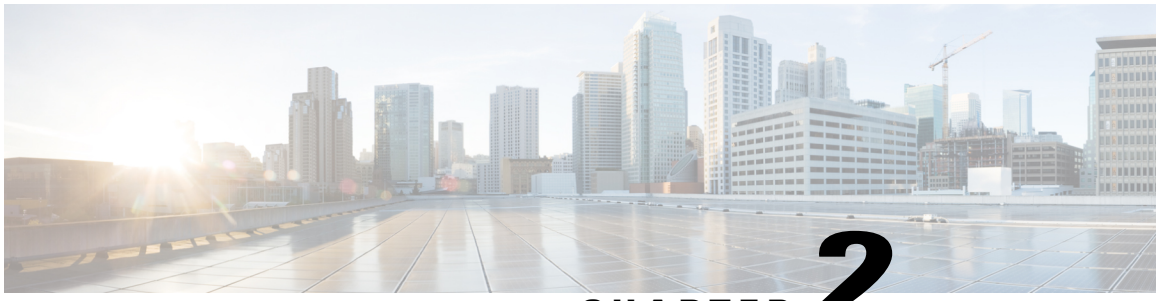
The Deployment Guide is located at the following URL:

https://www.cisco.com/c/en/us/support/collaboration-endpoints/unified-ip-phone-8800-series/products-implementation-design-guides-list.html

Cisco Product Security Overview

This product contains cryptographic features and is subject to United States and local country laws governing import, export, transfer, and use. Delivery of Cisco cryptographic products does not imply third-party authority to import, export, distribute, or use encryption. Importers, exporters, distributors, and users are responsible for compliance with U.S. and local country laws. By using this product you agree to comply with applicable laws and regulations. If you are unable to comply with U.S. and local laws, return this product immediately.

Further information regarding U.S. export regulations may be found at http://www.bis.doc.gov/index.php/regulations/export-administration-regulations-ear.



CHAPTER 2

Cisco Accessories

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Batteries

Your phone comes with a Lithium ion battery, and you can order spare batteries.

You can find the battery installation instructions in the *Cisco Wireless IP Phone 8821 and 8821-EX User Guide*.

Caution Use only approved batteries. Use of unapproved batteries might be dangerous, and invalidates the warranty on your phone.

The fully charged battery provides the following hours of service:

- up to 13 hours of talk time
- up to 240 hours of standby time

Battery life depends on a number of factors including:

- On time—The battery life is reduced when the phone is turned on. Calls, messages, application use, Bluetooth use, and actions like menu navigation use power.
- Scan mode—Your phone can be set up to scan the access points in three different ways (Continuous, Auto, Single AP). If your phone uses Continuous or Auto scan modes, the phone requires more power, reducing battery talk time.

If you require longer talk times, you will find it useful to have a spare, charged battery.

For battery specifications, see the *Cisco Wireless IP Phone 8821 Data Sheet* and *Cisco Wireless IP Phone 8821-EX Data Sheet* at http://www.cisco.com/c/en/us/products/collaboration-endpoints/unified-ip-phone-8800-series/datasheet-listing.html

Cisco Wireless IP Phone 8821 AC Power Adapter

The Cisco Wireless IP Phone 8821 AC Power Adapter enables you to quickly charge your phone battery. You can use the phone while you are charging the battery. When you order your phone, make sure that you order the power adapter for your region.

The battery takes approximately 3 hours to recharge using the AC Power Adapter.

Caution Use only Cisco-specified AC power supplies for the Cisco Wireless IP Phone 882x Series.

Prepare the Power Adapter

The power adapter for your phone is compact. Before you use the power adapter, you have to unfold the prongs. After you use the adapter, you can fold in the prongs.

The power adapter for your region may also require an additional clip to allow the adapter to be plugged into the electrical outlet.

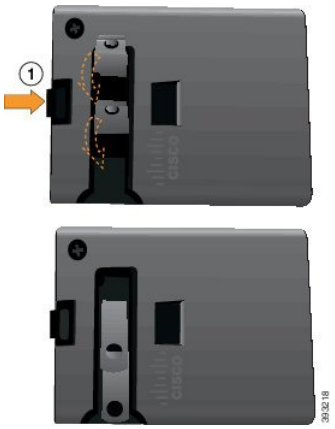
Procedure

Step 1 Catch the edge of a prong with your finger and pull the prong up until it clicks into position.

Step 2 (Optional) Install the international power clip.

Step 3 (Optional) Before you close the adapter, remove the international power clip.

Step 4 (Optional) Hold the lever on the top of the adapter down and press the prongs down to close the adapter.



Charge the Battery with the AC Power Supply

You can charge your phone using an AC power supply. When you use the power supply to charge your phone, the battery can take up to 3 hours to fully charge.

The wide connector on the USB cable connects to the phone using magnets to hold it secure. It has pins that you need to align correctly. If you hold the phone so that the screen is towards you, the battery icon on the connector is visible.

Caution Do not charge the phone in a hazardous environment.

Do not charge the phone if it is wet.

Before You Begin

You need the USB power cable supplied with your phone.

You need to prepare the power adapter for use as described in Prepare the Power Adapter, on page 4.

Procedure

Step 1 Plug the USB cable into the bottom of the phone with the pins aligned.

Step 2 Plug the USB cable into the power adapter.

Step 3 Plug the power adapter into the electrical outlet.

USB Cable

You can connect your phone to your computer using a special USB cable.

The wide connector on the USB cable connects to the phone with magnets to hold it secure. It has pins that you must align correctly. If you hold the phone so that the screen is toward you, the battery icon on the connector is visible.

Charge the Battery with the USB Cable and a USB Port on Your Computer

You can charge your phone using your computer. When you use the computer to charge your phone, the battery can take up to 6 hours to fully charge.

The wide connector on the USB cable connects to the phone using magnets to hold it secure. It has pins that you need to align correctly. If you hold the phone so that the screen is towards you, the battery icon on the connector is visible.

Caution Do not charge the phone in a hazardous environment.

Do not charge the phone if it is wet.

Procedure

Step 1 Connect the long connecter of the USB cable to the bottom of the phone with the pins aligned.

Step 2 Plug the other end into the USB port in the computer.

Cisco Wireless IP Phone 8821 and 8821-EX Desktop Charger

You can use the Cisco Wireless IP Phone 8821 and 8821-EX Desktop Charger to charge your phone and spare phone battery. The charger works on AC power or from a charged spare phone battery. It can be secured with a standard laptop cable lock.

Figure 1: Cisco Wireless IP Phone 8821 and Cisco Wireless IP Phone 8821 and 8821-EX Desktop Charger

If your phone has a protective case, you don't need to remove the case before you charge the phone in the desktop charger. You adapt the charger to fit the phone.

You can use a USB to Ethernet adapter (dongle) to connect the desktop charger to the Ethernet for only automatic Wi-Fi profile provisioning and certificate enrollment purposes. You cannot use the dongle to make voice calls over the Ethernet. For more information on the USB port, see the *Cisco Wireless IP Phone 8821 and 8821-EX Administration Guide*.

Caution Do not use chargers or handsfree mode in a Potentially Explosive Atmosphere.

Do not charge the phone if it is wet.

Built-in Speakerphone

The charger includes a speakerphone that you can use while the phone is docked. Use the phone volume buttons to control the speakerphone volume, and the **Mute** button on the charger itself. When the speakerphone is muted, the **Mute** button lights red.

Phone Charging Indications

When you put the phone into the charger, the phone indicates that the battery is charging with the red LED on the top of the phone. If the phone is turned on when you put it into the charger, you see a message on the screen. If the phone is turned off or the battery is too weak, you see an icon displayed on the screen.

Spare Battery Charging Indications

You can charge a spare battery with the additional charging port behind the main phone charging port. When you put a spare battery into the charger, the Battery LED (to the right of the phone) lights to show the charging status:

- Red—The spare battery is charging.
- Green—The spare battery is fully charged.

Related Topics

Desktop Charger Specifications, on page 21

Set Up the Desktop Charger

You should place the desktop charger on a stable work surface.

Before You Begin

You need the cable that is provided with the charger. This cable has a plug on one end and a USB connector on the other end.

You need the power adapter that comes with the phone.

Procedure

Step 1 Plug the plug end of the cable into the desktop charger.

Step 2 Plug the USB end of the cable into the power adapter and plug the power adapter into the electrical outlet.

Charge Your Phone with the Desktop Charger

You can tell when your phone is charging in the charger when the phone LED lights red and a message or icon displays on the phone screen. When the battery is fully charged, the LED turns off. Your phone can take up to 3 hours to recharge.

If your phone has a protective case, you don't need to remove the case before you charge the phone in the desktop charger. You adapt the charger to fit the phone.

When you put the phone into the charger, make sure that you align the charging pins on the bottom of the phone with the connector in the charger. When the phone is correctly placed in the charger, it is held in place with magnets. If the LED does not light, then the alignment is not correct.

Caution Do not charge the phone in a hazardous environment.

Do not charge the phone if it is wet.

Procedure

Step 1 (Optional) Turn the charger so that the back is facing you, put three fingers about 3/4 of the way into the cup, press in, and lift. The cup should slide out.

Note You might need to use two hands to remove the cup the first time.

Step 2 Place your phone in the charging slot with the screen facing towards you. If your phone is in a case, press the phone into the charging slot to ensure that the phone connects with the contacts.
Make sure that the LED on the phone lights red. If the LED does not light up, remove the phone and reinsert it into the charger.

If your phone is in a case, the phone and case will tilt out because of the case.

Step 3 When you remove the phone from the charger, tilt the phone forward and lift it up to disconnect the connecter from the magnets.

Step 4 (Optional) Slide the charging cup into the charger. Make sure that the cup is flush with the front and top of the charger.

Charge Your Spare Battery with the Desktop Charger

You can charge a spare battery in the desktop charger. The battery can take up to 3 hours to charge.

Caution Do not charge the battery in a hazardous environment.

When the battery is charging, the spare battery LED on the charger lights red. When the battery is charged, the spare battery LED on the charger lights green.

Procedure

Step 1 Hold the battery so that the Cisco label faces you, and the arrows on the battery point down.

Step 2 Place the spare battery in the slot behind the phone cradle and press down firmly.

Cisco Wireless IP Phone 8821 and 8821-EX Multi Charger

You can charge up to six phones and six spare batteries at the same time with the Cisco Wireless IP Phone 8821 and 8821-EX Multi Charger. If your phone is in a protective case, you can charge it without removing the case.

You can place the multicharger on a work surface or mount it on a wall with the wall mount kit. You can also secure the multicharger with a standard laptop cable lock.

The LED beside the battery slot shows the charging status. When the battery is charging, the LED lights red. When the battery is charged, the LED lights green.

Battery slot LEDs can take several minutes to indicate that the battery is fully charged. If you move a fully-charged battery to another slot, the LED might initially light red before it turns green.

Caution Do not use chargers in a Potentially Explosive Atmosphere.

Do not charge the phone if it is wet.

Related Topics

Multicharger Specifications, on page 23

Set Up the Multicharger

The power jack is on the right side of the multicharger.

Procedure

Step 1 Plug the jack end of the power cord into the multicharger.

Step 2 Plug the other end of the power cord into the power adapter.

Step 3 Plug the power adapter into the electrical outlet.

Step 4 Place the multicharger on a stable work surface.

Install the Multicharger Wall Mount Kit

The wall mount kit comes with the following components:

- bracket
- package with 5 screws and 5 self-tapping wall anchors

Before You Begin

You need the following tools:

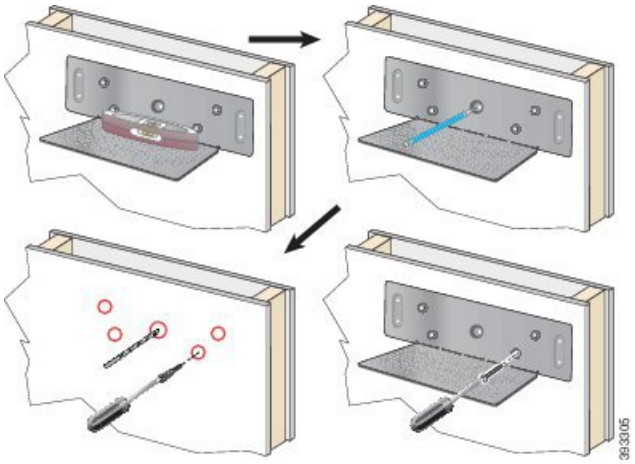
- Drill and a 0.25 inch drill bit
- Pencil
- Level
- Philips #1 and #2 screwdrivers

You need the power cable and power adapter.

Procedure

Step 1 Determine the location for the bracket. The bottom right corner of the bracket must be less than 50 inches (127 cm) from an electrical outlet.

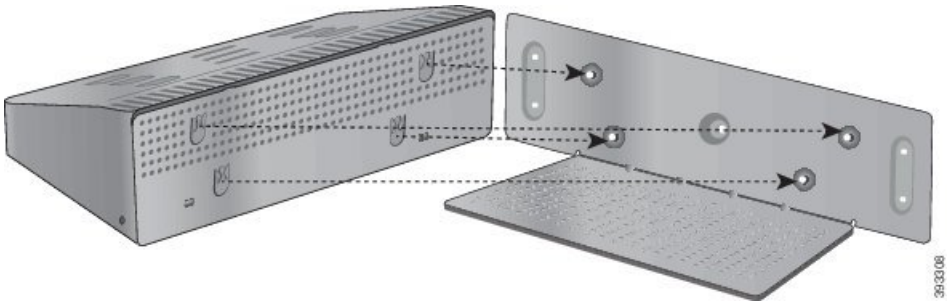
Step 2 Mount the wall bracket.



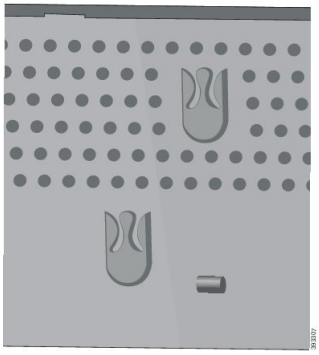
a) Hold the bracket on the wall, as shown in the diagram.
b) Use the level to ensure that the bracket is level and use a pencil to mark the screw holes.
c) Install the anchors, using the drill and drill bit.
d) Screw the bracket to the wall.

Step 3 Locate the post holders in the multicharger.

Step 4 Hold the multicharger so that the post holders are in front of the posts on the bracket, press the multicharger towards the wall, and then push the multicharger down so that the posts seat into the holder.



Here is a close-up of the post holder.



Step 5 Plug the jack end of the power cord into the multicharger.

Step 6 Plug the other end of the power cord into the power adapter.

Step 7 Plug the power adapter into the electrical outlet.

Charge Your Phone with the Multicharger

You can tell when your phone is charging in the multicharger when the LED beside the phone lights red. When the battery is fully charged, the LED turns off. Your phone can take up to 3 hours to recharge.

If your phone has a protective case, you don't need to remove the case before you charge the phone in the multicharger. You adapt the multicharger to fit the phone.

When you put the phone into the multicharger, make sure that you align the charging pins on the bottom of the phone with the connector in the multicharger. If the LED does not light, then the alignment is not correct.

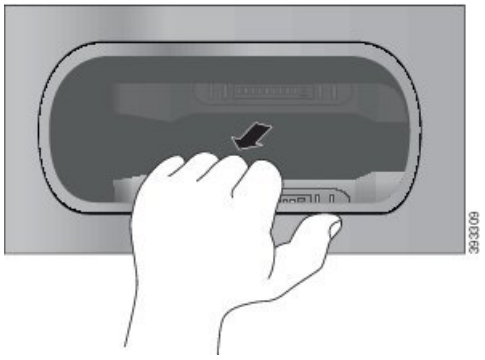
⚠

Caution Do not charge the phone in a hazardous environment.

Do not charge the phone if it is wet.

Procedure

Step 1 (Optional) Reach into the cup with three fingers, locate the slots on the inside of the cup, and use the slots to pull the cup out.



Step 2 Place your phone in the empty charging slot. If your phone is in a case, press the phone into the charging slot to ensure that the phone connects with the contacts.
Make sure that the LED on the phone lights red. If the LED does not light up, remove the phone and reinsert it into the multicharger.

Step 3 (Optional) Slide the charging cup into the multicharger and press the cup into place so that the cup is flush with the top of the multicharger.

Charge Your Spare Battery with the Multicharger

You can charge a spare battery in the multicharger. The battery can take up to 3 hours to charge.

Caution Do not charge the battery in a hazardous environment.

When the battery is charging, the Battery LED beside the battery lights red. When the battery is charged, the Battery LED lights green.

Procedure

Place the battery in an empty spare battery slot, aligning the battery contacts with the charger connecter.
If the Battery LED does not light red, remove the battery and reinsert it into the battery slot.

Carry Cases

You can put your phone into a carry case to make it easy to carry your wireless phone and to provide some protection for the phone. When your phone is in the case, you don't have to remove the case to charge the phone.

We have the following cases available:

- Cisco Wireless IP Phone 8821 and 8821-EX Leather Case
- Cisco Wireless IP Phone 8821 and 8821-EX Holster Case

You can attach a Cisco Wireless IP Phone 8821 and 8821-EX Belt Clip or a Cisco Wireless IP Phone 8821 and 8821-EX Pocket Clip to either case. The following picture shows the belt clip on the left and the pocket clip on the right.

When you buy a case, we supply both clips and you can also order replacement clips.

Cisco Wireless IP Phone 8821 and 8821-EX Leather Case

You can slide the phone into the leather case to protect the phone and then attach the case to the belt clip or pocket clip. The button on the back of the case attaches to the clip. The following pictures show the front and back of the leather case.

You can also clip a lanyard to the metal ring on the top of the leather case

When your phone is in the case, you don't have to remove the case to charge the phone.

Cisco Wireless IP Phone 8821 and 8821-EX Holster Case

You can press the phone into the holster case to protect the phone and then attach the case to the belt clip or pocket clip. The button on the back of the case attaches to the case to the clip. The following pictures show the front and back of the holster case.

When your phone is in the case, you don't have to remove the case to charge the phone.

Other Accessories

Cisco Wireless IP Phone 8821 and 8821-EX Lanyard

You can attach the lanyard to the top of the wireless phone.

Slip the loop of cord around the bar on the back of the phone and pass the lanyard through the loop.

Cisco Wireless 8821 Battery Door

You can replace the battery door if the gasket on the door gets damaged. If the gasket is damaged, dirt and liquids can get into the battery compartment and cause damage to the phone. Failure to replace a broken gasket voids the phone warranty.

Cisco Accessory Part Numbers

You can buy accessories for your Cisco Wireless IP Phone 882x Series from your local dealer or corporate representative.

The following table gives the part number for the Cisco accessories. For more information, see the product datasheets at http://www.cisco.com/c/en/us/products/collaboration-endpoints/unified-ip-phone-8800-series/datasheet-listing.html

Table 1: Phone Spares and Accessories

Product Name	Part Number
Cisco Wireless 8821 Battery	CP-BATT-8821=
Cisco Wireless 8821 Battery Door	CP-BDOOR-8821=
Cisco Wireless IP Phone 8821 Power Supply for North America, includes power cord and power adapter	CP-PWR-8821-NA=
Cisco Wireless IP Phone 8821 Power Supply for Argentina, includes power cord, power adapter, and country clip	CP-PWR-8821-AR=
Cisco Wireless IP Phone 8821 Power Supply for Australia, includes power cord, power adapter, and country clip	CP-PWR-8821-AU=
Cisco Wireless IP Phone 8821 Power Supply for Brazil, includes power cord, power adapter, and country clip	CP-PWR-8821-BZ=
Cisco Wireless IP Phone 8821 Power Supply for Central Europe, includes power cord, power adapter, and country clip	CP-PWR-8821-CE=
Cisco Wireless IP Phone 8821 Power Supply for India, includes power cord, power adapter, and country clip	CP-PWR-8821-IND=
Cisco Wireless IP Phone 8821 Power Supply for Korea, includes power cord, power adapter, and country clip	CP-PWR-8821-KR=
Cisco Wireless IP Phone 8821 Power Supply for Japan, includes power cord, power adapter, and country clip	CP-PWR-8821-JP=
Cisco Wireless IP Phone 8821 Power Supply for Switzerland, includes power cord, power adapter, and country clip	CP-PWR-8821-SW=
Cisco Wireless IP Phone 8821 Power Supply for UK, includes power cord, power adapter, and country clip	CP-PWR-8821-UK=
Cisco Wireless IP Phone 8821 and 8821-EX Holster Case with both belt and pocket clip	CP-HOLSTER-8821=

Product Name	Part Number
Cisco Wireless IP Phone 8821 and 8821-EX Leather Case with both belt and pocket clip	CP-LCASE-8821=
Cisco Wireless IP Phone 8821 and 8821-EX spare Pocket Clips set	CP-PCLIP-8821=
Cisco Wireless IP Phone 8821 and 8821-EX spare Belt Clips set	CP-BCLIP-8821=
Cisco Wireless IP Phone 8821 and 8821-EX Lanyard Set	CP-LANYARD=

Table 2: Cisco Wireless IP Phone 8821 and 8821-EX Desktop Charger and Spares

Name	Part Number
Cisco Wireless IP Phone 8821 and 8821-EX Desktop Charger Only	CP-DSKCH-8821=
Cisco Wireless IP Phone 8821 & 8821-EX Desktop Charger, with power cord, power adapter and country clip	CP-DSKCH-8821-BUN
Cisco Wireless IP Phone 8821 and 8821-EX Desktop Charger Power Supply for NA, includes power cord and power adapter	CP-PWR-DC8821-NA=
Cisco Wireless IP Phone 8821 and 8821-EX Desktop Charger Power Supply for Argentina, includes power cord, power adapter and country clip	CP-PWR-DC8821-AR=
Cisco Wireless IP Phone 8821 and 8821-EX Desktop Charger Power Supply Power Supply for Australia, includes power cord, power adapter and country clip	CP-PWR-DC8821-AU=
Cisco Wireless IP Phone 8821 and 8821-EX Desktop Charger Power Supply Power Supply for Brazil, includes power cord, power adapter and country clip	CP-PWR-DC8821-BZ=
Cisco Wireless IP Phone 8821 and 8821-EX Desktop Charger Power Supply Power Supply for Central Europe, includes power cord, power adapter and country clip	CP-PWR-DC8821-CE=
Cisco Wireless IP Phone 8821 and 8821-EX Desktop Charger Power Supply Power Supply for India, includes power cord, power adapter and country clip	CP-PWR-DC8821-IND=
Cisco Wireless IP Phone 8821 and 8821-EX Desktop Charger Power Supply Power Supply for Korea, includes power cord, power adapter and country clip	CP-PWR-DC8821-KR=
Cisco Wireless IP Phone 8821 and 8821-EX Desktop Charger Power Supply Power Supply for Japan, includes power cord, power adapter and country clip	CP-PWR-DC8821-JP=
Cisco Wireless IP Phone 8821 and 8821-EX Desktop Charger Power Supply Power Supply for Switzerland, includes power cord, power adapter and country clip	CP-PWR-DC8821-SW=

Name	Part Number
Cisco Wireless IP Phone 8821 and 8821-EX Desktop Charger Power Supply Power Supply for United Kingdom, includes power cord, power adapter and country clip	CP-PWR-DC8821-UK=

Table 3: Cisco Wireless IP Phone 8821 and 8821-EX Multi Charger and Spares

Name	Part Number
Cisco Wireless IP Phone 8821 and 8821-EX Multi Charger, with power cube, power adapter and country clip	CP-MCHGR-8821-BUN
Cisco Wireless IP Phone 8821 and 8821-EX Multi Charger Only	CP-MCHGR-8821=
Cisco Wireless IP Phone 8821 and 8821-EX Multi Charger Wall Mount and Kit	CP-MCHGR-8821-WMK=
All countries power cube	CP-PWR-CUBE-6=
Power Cord, NA	CP-PWR-CORD-NA=
Power Cord, Argentina	CP-PWR-CORD-AR=
Power Cord, Australia	CP-PWR-CORD-AU=
Power Cord, Brazil	CP-PWR-CORD-BZ=
Power Cord, Central Europe	CP-PWR-CORD-CE=
Power Cord, India	CP-PWR-CORD-IN=
Power Cord, Korea	CP-PWR-CORD-KR=
Power Cord, Japan	CP-PWR-CORD-JP=
Power Cord, Asia Pacific	CP-PWR-CORD-AP=
Power Cord, South Africa	CP-PWR-CORD-SA=
Power Cord, Switzerland	CP-PWR-CORD-SW=
Power Cord, UK	CP-PWR-CORD-UK=

Desktop Charger Specifications

Table 4: Physical Specifications

Item	Description
Dimensions (H x W x D)	3.0 x 7.3 x 4.0 in. (76 x 185 x 102 mm)
Weight	• Desktop charger: 1.41 pounds (641 g) • Power adapter: 0.08 pounds (38 g) • Total weight: 1.49 pounds (679 g)
Power supply	• Input: 100-240V, 0.2A, 50-60 Hz • Output: 5V, 2.0A • AC adapters (by geographical region)
Power consumption	10 watts
Operating temperature	32 to 104°F (0 to 40°C)
Storage temperature	-22 to 140°F (-30 to 60°C)
Relative humidity	10 to 95% (noncondensing)
Drop specification	Drop height: 750 mm (29.5 inch)
Vibration	0.41 Grms from 3 to 500 Hz with spectral break points of 0.0005 G2 / Hz at 10 Hz and 200 Hz and 5 dB/octave roll off at each end
Thermal shock	-22°F (-30°C) 24 hours; 158°F (70°C) 24 hours
Charging time	• Battery only: 2–4 hours • Phone: set by the phone

Table 5: Safety and Compliance

Item	Description
Safety	• UL 60950-1 • CSA C22.2 No. 60950-1 • EN 60950-1 • IEC 60950-1 • AS/NZS 60950.1
Electromagnetic compatibility (EMC) and electromagnetic interference (EMI)	• CFR 47 Part 15 Class A • ICES-003 Class A • EN 55022 Class A • CISPR 22 Class A • VCCI Class A • AS/NZS CISPR22 • CSPR 24 • EN 55024 • EN 50082-1 • EN 61000-6-1 • EN 61000-3-2 • EN 61000-3-3 • EN 61000-4-2 • EN 61000-4-3 • EN 61000-4-4 • EN 61000-4-5 • EN 61000-4-6 • EN 61000-4-11

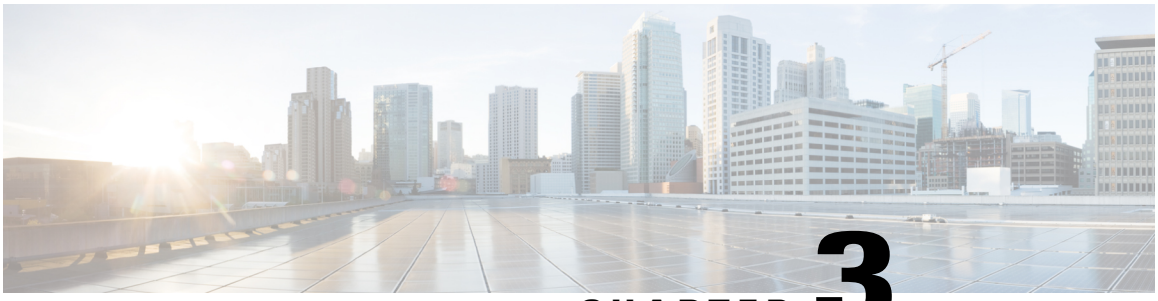
Multicharger Specifications

Table 6: Physical Specifications

Item	Description
Dimensions (H x W x D)	14.17 x 9.06 x 4.14 in (360 x 230 x 105 mm)
Weight	• Multi-charger: 5.65 lb (2.57 kg) • Power supply: 0.77 lb (0.35 kg) • Mounting bracket: 1.47 lb (0.67 kg)
Power supply	• Input: 100-240VAC, 1.2A, 50–60 Hz • Output: 19V, 4.74A • AC adapters (by geographical region)
Power consumption	90 watts
Operating temperature	32 to 104°F (0 to 40°C)
Storage temperature	-22 to 140°F (-30 to 60°C)
Relative humidity	10 to 95% (noncondensing)
Drop specification	Drop height: 750 mm (29.5 inch)
Vibration	0.41 Grms from 3 to 500 Hz with spectral break points of 0.0005 G2 / Hz at 10 Hz and 200 Hz and 5 dB/octave roll off at each end
Thermal shock	-22°F (-30°C) 24 hours; 158°F (70°C) 24 hours
Charging time	• Battery only: 2–4 hours • Phone: set by the phone

Table 7: Safety and Compliance

Item	Description
Safety	• IEC 60950-1 • EN 60950-1 • UL 60950-1 • CSA C22.2 No. 60950-1 • AS/NZS 60950.1
Electromagnetic compatibility (EMC) and electromagnetic interference (EMI)	• FCC Parer 15 (CFR 47) Class A • ICES-003 Class A • EN 55022 Class A • CISPR 22 Class A • AS/NZS CISPR22 • VCCI Class A • CSPR 24 • EN 55024 • EN 61000-3-2 • EN 61000-3-3 • EN 61000-4-2 • EN 61000-4-3 • EN 61000-4-4 • EN 61000-4-5 • EN 61000-4-6 • EN 61000-4-8 • EN 61000-4-11 • EN 61000-6-1 • EN 61000-63 • EN 60601-1-2



CHAPTER 3

Third-Party Accessories

- Third-Party Accessories Overview, page 25
- Headsets, page 25

Third-Party Accessories Overview

Accessories for the wireless phones are available from third parties.

Note Cisco does not test third-party accessories. Cisco recommends that you test them in your environment before providing them to users.

Headsets

The wireless phone supports the use of third-party wired and Bluetooth wireless headsets.

For wired headsets, the phone requires a headset or ear bud with a 3.5 mm, 3-band, 4-conductor plug.

Related Topics

Important Headset Safety Information, on page 2

Bluetooth Wireless Headsets

Using Bluetooth wireless headsets increases battery power consumption on your phone and results in reduced talk time.

For a Bluetooth wireless headset to work, it does not need to be within direct line-of-sight of the phone, but some barriers, such as walls or doors, and interference from other electronic devices, can affect the connection.

Headset Choices

The audio portion of a headset must sound good to you and the person you are speaking to. Sound is subjective and we cannot guarantee the performance of any headsets. Some of the headsets on the sites listed below have been reported to perform well on wireless IP Phones.

For information about headsets, go to the following URLs:

http://www.plantronics.com

http://www.jabra.com

http://en-us.sennheiser.com

Note We recommend that you test your headsets in your own environment to determine suitable performance.