# CS60-HC Series Companion Scanner

## Ultra-versatile healthcare scanner with a first-of-its-kind convertible design

Do you need a cordless scanner at the point of care and a corded hands-free scanner in the pharmacy and lab? What if you didn't have to deploy different scanners for different tasks? Introducing the CS60-HC Series Healthcare Companion Scanner, featuring a groundbreaking design that easily converts between corded and cordless operation, handheld and hands-free, as your needs change. As a cordless scanner, the CS60-HC is ultra-portable and pocketable to meet any nurse-carry workflow and offers the latest mobile technology including contactless charging. As a corded scanner, the CS60-HC provides compact scanning for the pharmacy counter, lab station and more. Whether you purchase a corded or cordless model up front, you can change modes at any time for superior investment protection. You get Zebra's industry-leading scanning performance, easier data entry between multiple host applications and seamless disinfectant-ready plastics. And our unique DataCapture DNA and industry-preferred management tools make it easier than ever to integrate, deploy and manage your scanners.



### Adapts to any clinician workflow

**First-of-its-kind convertible design minimizes investment risk**
Whether you need a cordless companion scanner paired to a cart-mounted cradle, mobile device or in-room workstation at the point of care; a hands-free presentation scanner in the lab; or a corded handheld scanner at the pharmacy, the CS60-HC has you covered. Simply swap the battery and corded USB converter at any time to change between corded and cordless scanning. Add the optional presentation stand or cradle to automatically switch between hands-free and handheld modes. This unparalleled versatility minimizes investment risk as it's easy to meet new workflow needs or redeploy CS60-HC scanners to a different application.

**Proven scanning performance you can trust**
With a high-resolution megapixel sensor and Zebra's exclusive PRZM Intelligent Imaging technology, the CS60-HC easily and accurately captures the many kinds of barcodes commonly used in hospitals including barcodes on patient wristbands, medication vials, IV bags and specimen trays. When you choose the CS60-HC, you get Zebra's world-renowned quality and reliability.

**Effortless multi-tasking with a second programmable button**
A second programmable button can be used to instantly toggle between two host applications, such as Electronic Medical Record (EMR) and blood collection applications. With a quick press of the button, clinicians can send data to the right application in the proper format and order.

**Purpose-built housing helps offer maximum protection against the spread of bacteria**
Special plastics and IP65 sealing allow for safe wipe-downs with the widest selection of aggressive disinfectants used in today's hospitals. And with a monocoque design, inductive sensing touch buttons and contactless charging, the scanner's crevice-free surface helps eliminate places where germs can hide.

**Safe LED aimer can be used throughout the hospital**
Thanks to a highly visible and safe LED aimer, the CS60-HC can be used in the NICU, labor and delivery and mother-baby units where the use of laser aimers is not advised. And the green aimer reduces the likelihood of triggering PTSD episodes.

**The CS60-HC Companion Scanner — minimize investment risk with an innovative convertible design that adapts to any workflow. For more information, visit www.zebra.com/cs60-hc**

**Flexible feedback modes — including night mode with vibrate**
Choose the right feedback for any environment: a good decode LED, haptic feedback, a beep tone with adjustable tone/volume and Zebra's Direct Decode Indicator that projects illumination on the barcode. In night mode, a quick press of the trigger toggles between an audible beep and vibration. Clinicians instantly know that a medicine vial or wristband was successfully scanned — while disturbing patients as little as possible.

**Doubles as a workstation lamp**
The scanner's built-in lamp can illuminate a nurse's workstation, so there's no need to disturb sleeping patients by turning on the overhead lights.

## Cutting-edge clinical mobility

**Qi inductive charging**
Support for inductive charging on the CS60-HC eliminates the need for battery contact cleaning and maintenance.[1] While you get the fastest charging times with Zebra's inductive charging solution, you're free to use any off-the-shelf Qi wireless charging pad to charge the CS60-HC.

**Split-second NFC tap-to-pair**
With built-in NFC, the CS60-HC easily pairs with other devices and in-room workstations — no IT support required.

**Pocketable and wearable for room-to-room mobility**
The cordless CS60-HC can be tucked in a scrub pocket and is designed to fit naturally in the hand for easy scanning. Pair the CS60-HC with the optional lanyard and silicone protector to safely and comfortably wear the scanner all shift long.

**Full shift power and beyond**
The fully charged battery delivers 18 hours of power — more than enough for a clinician's longest shift. Batteries can be easily replaced without special tools. And a dedicated battery gauge takes the guesswork out of charge status, so clinicians know at a glance when it's time to change or charge a battery.

**Compact cradle fits on any workstation**
The presentation cradle has a compact footprint that is elegantly crafted to fit on the most space-constrained workstations — whether mobile or in-room.

**Extended 330 ft./100 m range**
The CS60-HC is a certified BT 5.0 device. With Class 1 Bluetooth, users can roam up to 330 feet/100 m from the host device for greater flexibility.

**Eliminate Bluetooth Interference with Wi-Fi Friendly Mode**
Ensure that your cordless CS60-HC scanners only operate on channels that are not shared with your Wi-Fi network.

**Minimize workflow disruptions with anti-loss tools**
Press the cradle's paging button to locate a misplaced cordless CS60-HC in seconds. With Zebra's built-in Virtual Tether functionality, users are alerted when a device is taken out of range, misplaced or unintentionally left out of the cradle for an extended period of time — a helpful reminder to return the CS60-HC to its charger.[2]

**Keep spare batteries on hand with versatile charging options**
Multiple charging options make it easy to keep your scanners and spare batteries charged for around-the-clock operation. Four-slot device and four-slot battery chargers are compatible with Zebra's ShareCradle charging system for easy backroom management. And single-slot scanner and battery chargers are ideal on any desk.

## Easy to configure and manage

**Easily unlock the benefits of UDI**
Zebra's UDI Scan+ makes it easy to capture and enter Unique Device Identification (UDI) information into your application. Simply scan the barcode on the medical device packaging. The UDI barcode data is automatically parsed, properly formatted and sent in the right order to the right fields in your EMR or other application. No manual data entry is required.

**Industry preferred management tools with DataCapture DNA**
Only from Zebra, DataCapture DNA is a unique collection of value-add tools that make it easier to deploy, update, troubleshoot, manage and develop applications for your CS60-HC scanners. For example, 123Scan creates a single barcode to stage scanners or update firmware. You can remotely manage your scanners through Scanner Management Service (SMS) or Windows Management Instrumentation (WMI), eliminating the time and cost for onsite visits. And more.

# CS60-HC Specifications

## Physical Characteristics

| | |
|---|---|
| Dimensions | **Scanner**<br>0.9 in. H x 1.8 in. W x 4.3 in. D<br>2.3 cm H x 4.6 cm W x 10.9 cm D<br>**Presentation Cradle**<br>3.5 in. H x 2.1 in. W x 2.4 in. D<br>9.0 cm H x 5.3 cm W x 6.1 cm D |
| Weight | **Corded CS60-HC:** 2.0 oz. / 58.0 g<br>**Cordless CS60-HC:** 3.1 oz. / 87.0 g<br>**Presentation Cradle:** 3.4 oz. / 96.0 g |
| Input Voltage Range | **Scanner and presentation cradle:** 4.5 to 5.5 VDC Host Powered; 4.5 to 5.5 VDC External Power Supply |
| Current | Operating current at nominal voltage (5.0V): 400 mA (typical)<br>Standby current (idle) at nominal voltage (5.0V): 90 mA (typical)<br>Presentation Cradle: 450 mA (typical) Standard USB; 600 mA (typical) BC 1.2 USB |
| Color | Healthcare white |
| Supported Host Interfaces | USB |
| Keyboard Support | Supports over 90 international keyboards |
| FIPS Security Certification | Certified compliant with FIPS 140-2 |
| User Indicators | Direct Decode Indicator, Good Decode LEDs, beeper (adjustable tone and volume), haptic feedback on decode, capacitive trigger with haptic and audible feedback, dedicated battery gauge, dedicated Bluetooth LED |

## Performance Characteristics

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|---|---|
| Motion Tolerance (handheld) | Up to 20 in. / 51 cm. per second for 13 mil UPC in optimized mode |
| Light Source | Aiming Pattern: circular 525nm true green LED |
| Illumination | (1) warm white LED |
| Imager Field of View | 45° H x 34° V nominal |
| Image Sensor | 1280 x 960 pixels |
| Minimum Print Contrast | 20% Minimum Reflective Distance |
| Skew Tolerance | +/- 60° |
| Pitch Tolerance | +/- 60° |
| Roll Tolerance | 0° - 360° |
| Minimum Element Resolution | Code 39 - 5.0 mil |

## User Environment

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|---|---|
| Operating Temp. | 32° F to 122° F / 0° C to 50° C |
| Storage Temp. | -40° F to 158° F / -40° C to 70° C |
| Humidity | 5% to 95% RH, non-condensing |
| Drop Specification | Designed to withstand multiple drops at 5.0 ft./1.5 m to concrete |
| Tumble Specification | Designed to withstand 250 tumbles in 1.5 ft./0.5 m tumbler (1 tumble = 0.5 cycle) |
| Sealing | Scanner: IP65 |

| | |
|---|---|
| Approved Cleaners | Disinfectant Ready. Refer to the product reference guide for the complete list of approved cleaners. |
| Electrostatic Discharge (ESD) | Scanner and cradle: ESD per EN61000-4-2, +/-15 KV Air, +/-8 KV Direct, +/-8 KV Indirect |
| Ambient Light Immunity | 0 to 10037 foot candles / 0 to 108,000 Lux |

## Radio Specifications

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|---|---|
| Bluetooth Radio | Standard Bluetooth Version 5.0 with BLE: Class 1 330ft. (100m) and Class 2 33ft. (10m), Serial Port and HID Profiles |
| Adjustable Bluetooth Power | Output power adjustable down to negative 10 dBm in 8 steps |

## Battery

| | |
|---|---|
| Battery Capacity/Type | 735 mAh Lithium Polymer battery |
| Scans Per Battery Charge[3] | 13,000 scans |
| Operating Time Per Full Charge[3] | 18 hours |

## Battery Charge Time (from empty)

| | |
|---|---|
| Standard USB | Full Charge: 8 hours |
| BC1.2 USB | Full Charge: 6 hours |

## Regulatory

| | |
|---|---|
| Environmental | EN 50581:2012<br>EN IEC 63000:2018 |
| Electrical Safety | IEC 62368-1 (Ed.2)<br>EN 62368-1:2014/AC:2015 |
| LED Safety | IEC 62471:2006 (Ed.1.0)<br>EN 62471:2008 (LED) |
| EMI/RFI | EN 55032:2015/AC:2016 (Class B)<br>EN 55035:2017<br>EN 61000-3-2:2014 (Class A)<br>EN 61000-3-3:2013<br>47 CFR Part 15, Subpart B, Class B |

## Accessories

| | |
|---|---|
| Cordless Accessories | Presentation cradle, spare battery, 4-slot scanner ShareCradle, 4-slot battery ShareCradle, lanyard |
| Corded Accessories | Gooseneck Intellistand (weighted and standard), cup, corded USB converter |

## Symbol Decode Capability

| | |
|---|---|
| 1D | Base 32 (Italian Pharma), Codabar/NW7, Code 11, Code 39, Code 93, Code 128, GS1 DataBar, I 2 of 5, Korean 3 of 5, MSI Plessey, UPC/EAN |
| 2D | Aztec, Composite Codes, DataMatrix, Dotted DataMatrix, Dotcode, Han Xin, MaxiCode, PDF417, Micro PDF417, Postal Codes, QR Code, Micro QR, TLC-39, SecurPharm |
| OCR | OCR-A, OCR-B, MICR, US Currency |

Refer to Product Reference Guide for complete list of symbologies.

## Applications and users

**Healthcare applications**

- Positive Patient Identification (PPID)
- Medicine administration
- Inventory management
- Pharmacy
- Electronic medical record access
- Specimen collection
- Phlebotomy

**Healthcare users**

- Clinicians
- Technicians
- Pharmacists
- Admissions personnel

### Decode Ranges (Typical)[4]

| Symbology/Resolution | Near/Far |
|---|---|
| **Code 39: 5 mil** | 2.4 in./6.1 cm to 9.5 in./24.1 cm |
| **Code 39: 20 mil** | 2.5 in./6.4 cm to 26.0 in./66.0 cm |
| **Code 128: 5 mil** | 2.8 in./7.1 cm to 9.0 in./22.9 cm |
| **PDF 417: 6.7 mil** | 2.4 in./6.1 cm to 8.0 in./20.3 cm |
| **UPC: 13 mil (100%)** | 1.8 in./4.6 cm to 19.5 in./49.5 cm |
| **Data Matrix: 10 mil** | 2.9 in./7.4 cm to 8.0 in./20.3 cm |
| **QR: 20 mil** | 1.2 in./3.0 cm to 14 in./35.6 cm |

### Environmental Compliance

**Environment**
- RoHS Directive 2011/65/EU; Amendment 2015/863
- REACH SVHC 1907/2006

For a complete list of product and materials compliance, please visit www.zebra.com/environment

### Warranty

Subject to the terms of Zebra's hardware warranty statement, the CS6080-HC scanner and CR6080-HC cradle are warranted against defects in workmanship and materials for a period of Three Years from the date of shipment. Complete Zebra hardware product warranty statement: www.zebra.com/warranty

### Recommended Services

Zebra OneCare Essential and Select: Maximize Zebra device availability, device value and operational efficiency with these fully-featured support services that set the industry bar for support.

### Footnotes

1. Contactless inductive charging is supported when a battery is inserted in the CS60-HC. Spare batteries and battery chargers have charging contacts and cannot be charged with a wireless charge pad.
2. Virtual Tether alerting is supported on the scanner today, with planned availability for alerting on the cradle via a free firmware download.
3. Simulated checkout profile of 1 scan every 5 seconds
4. Printing resolution, contrast, and ambient light dependent

### DataCapture DNA

DataCapture DNA is a suite of highly intelligent firmware, software, utilities and apps exclusively engineered to add functionality and simplify the deployment and management of Zebra scanners. For more information about DataCapture DNA and its applications, please visit www.zebra.com/datacapturedna

123Scan | Multi-Code Data Formatting | Preferred Symbol | PRZM intelligent Imaging | Remote Diagnostics | Remote Management

Scan-To-Connect | Scanner Control Application | ScanSpeed Analytics | Software Development Kit (SDK) | UDI Scan+ | Wi-Fi Friendly Mode