



## DS8178 - 1D / 2D scanner, wireless, for healthcare, USB KIT

Premium handheld scanner DS8178-HC is purpose-built for healthcare environments, with unparalleled performance on virtually every barcode in any condition, a first-of-its-kind housing delivering maximum protection against the spread of bacteria. Streamline workflows for your healthcare professional and deliver better patient experiences.

The DS8100-HC Series combines the power of an 800 MHz microprocessor, a high-resolution megapixel sensor and Zebra's exclusive PRZM technology. The scanner instantly captures the most problematic barcodes found in pharmacies, labs and at the point-of-care — including dense, tiny, curved, poorly printed, shiny, crinkled, faded, distorted, dirty or damaged, as well as electronic barcodes on dimly lit displays.



Only the DS8100-HC offers a purpose-built housing specially designed to help prevent the spread of bacteria. Special plastics allow for Safe wipe-downs with the widest selection of the harshest and most aggressive disinfectants used in today's hospitals. And concealed screw holes and seams eliminate areas where bacteria could hide — even after a wipedown.

Choose from a wide array of easily controllable feedback modes designed for virtually any hospital environment. In addition to the standard LED, vibrate and beeper feedback, Zebra's Direct Decode Indicator flashes illumination onto the barcode to confirm that it has been captured. With Night Mode, healthcare workers can switch between vibrate and beeper feedback by simply depressing the trigger for a few seconds.

### Key features:

- top performance in scanning barcodes
- flexible user-selectable feedback including Night Mode with vibrate
- The PowerPrecision battery can capture over 75,000 barcodes in a single charge
- Wi-Fi Friendly Mode prevents any unwanted interference with your existing Wi-Fi network
- 123Scan2, Scanner Management Service (SMS), and SDK Scanner utilities

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# Technical Description

## Functionality & Operation

|                         |                                                                                                                                   |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| 1D Barcode Symbologies  | Code 39, Code 93, Code 128, Base 32, Code 11, Codabar, MSI, Plessey, UPC/EAN, Industrial 2 of 5, Korean 3 of 5, GS1-DataBar       |
| Communication interface | USB                                                                                                                               |
| 2D Code Symbologies     | MicroPDF417, PDF417, Composite codes, TLC-39, Aztec, Data Matrix, MaxiCode, Micro QR Code, QR code Chinese Sensible, Postal Codes |
| Indicators              | Direct Decode Indicator, Good Decode LEDs, Rear View LEDs, beeper, vibration, battery indicator                                   |
| Wireless communication  | Bluetooth®                                                                                                                        |
| WPAN Features           | Standard Bluetooth Version 4.0 with BLE: Class 1 330 ft./100m and Class 2 33 ft./10m, Serial Port and HID Profiles                |
| Keyboard                | Supports over 90 international keyboards                                                                                          |

## Optical

|                     |                    |
|---------------------|--------------------|
| Depth of scan field | 0 - 429 mm         |
| Maximal skew angle  | 60%                |
| Maximal pitch angle | 60%                |
| Minimal PCS value   | 16%                |
| Light source        | warm white LEDs 2x |
| Resolution          | 1280x960 px        |
| Bar code scanner    | 2D Imager          |

## Electrical

|                   |                                      |
|-------------------|--------------------------------------|
| Main battery pack | Rechargeable Li-Ion battery 2500 mAh |
|-------------------|--------------------------------------|

## Mechanical

|            |                                          |
|------------|------------------------------------------|
| Color      | white                                    |
| Dimensions | Width: 66mm, Height: 107mm Length: 168mm |
| Weight     | 235g                                     |

## Environment

|                                     |                                                                        |
|-------------------------------------|------------------------------------------------------------------------|
| Electrical static discharge         | ±15kV air, ±8kV contact                                                |
| Ingress protection                  | IP42                                                                   |
| Storage temperature                 | -40 to 70°C                                                            |
| Operating humidity (non-condensing) | 5 to 95%                                                               |
| Shock resistance                    | multiply drops from 1.8 m onto concrete surface. 2000 tumbles at 0.5 m |

### CODEWARE, s.r.o.

Jaromírova 484/37  
120 00 Praha 2 - Nusle  
IČ: 61061395, DIČ: CZ61061395

+420 222 562 444  
codeware@codeware.cz  
<https://www.codeware.cz/>

