

# SPECIFICATIONS AT A GLANCE\*

## Printer Name

HC100

## Standard features

- Quick & easy wristband cartridge loading
- Automatic print speed setting—up to 4 ips depending on installed cartridge
- Direct thermal printing of barcodes, text and graphics
- Dual-wall frame, impact-resistant plastic
- ZPL® or ZPL II® programming language
- 32 bit RISC processor
- 8 MB (2 MB user-available) Flash memory (standard)
- 16 MB (4 MB user-available) SDRAM memory (standard)
- Element Energy Equalizer™ (E3™) for superior print quality
- Dual communications interface: serial and USB
- Odometer for print-length tracking
- Illuminated media low/media out indicator
- Tool-less printhead and platen replacement
- Unicode™-compliant for multi-language printing
- Instant media calibration—no wasted media
- 16 resident expandable bitmap fonts
- One resident scalable font
- Head-up sensor
- Standard tear-off mode feature
- XML-enabled printing—allows XML communications from information systems
- ENERGY STAR® qualified

## Printer specifications

### Maximum print length

- 22½/558 mm

### Minimum print length

- 3/76 mm

### Print widths

- 0.75"/19.05 mm, 1¼/25.4 mm, 1.1875"/30.16 mm

### Resolution

- 300 dpi/12 dots per mm

### Maximum print speed

- 2½1 mm per second (Healthcare)
- 4½102 mm per second (Z-Band Fun & Z-Band Splash)

## Media characteristics

Zebra offers a comprehensive range of wristband solutions for healthcare and hospitality industries.

### Healthcare wristbands

- Adhesive or clip closure.
- Adult, child and infant sizes.
- Barcodes on Z-Band wristbands are proven to withstand water, soaps, foams, alcohol and other common solvents found in a healthcare environment, and remain scannable for longer than the average patient stay.

## Hospitality wristbands

- One-day and multi-day wristband options.
- Seven bright colors.
- Designed for amusement parks, water parks, carnivals, zoos, sporting events and resorts.
- Variable print-on-demand barcoded wristbands means the wristband does not have value until printed, reducing ticket fraud.

## Operating characteristics

### Environment

- Operating temperature: 40° F/4.4° C to 104° F/40° C
- Storage temperature: -40° F/-40° C to 140° F/60° C
- Operating humidity: 20%-85% non-condensing R.H.
- Storage humidity: 5%-85% non-condensing R.H.

### Wristband cartridge environmental specifications

- Service temperature: -40° F/-40° C to 140° F/60° C
- Storage temperature: 32° F/0° C to 70° F/21° C at 35% to 50% non-condensing R.H.

### Electrical

- Universal power supply (PFC-compliant) 100–240VAC, 50–60Hz

### Agency approvals

- Emissions: FCC Part 15, Subpart B, VCCI, C-Tick
- Emissions and Susceptibility: (CE): EN 55022 Class B and EN 55024
- Safety: CB Scheme IEC 60950-1:2001, TÜV, NRTL
- Power supply: IEC 60601-1:1995

## Physical characteristics

- Width: 5½/127 mm
- Height\*\*: 7½/178 mm
- Depth: 9.5½/242 mm
- Weight: 3.1 lbs/1.4 kg

\*\* Requires 6½/153 mm clearance above printer to load cartridge

Healthcare wipeable plastic is designed to withstand a variety of disinfectants, chemicals and cleaning solutions. See [zebra.com](http://zebra.com) for full list.

## Options and accessories

- ZebraNet® 10/100 Print Server (internal)—factory-installed only, offered in combination with serial/USB interface
- ZebraNet® b/g Print Server (internal)—factory-installed only, offered in combination with serial/USB interface
- Font packs—Asian and other international font kits

- Factory-installed 64 MB (58 MB user-available) Flash memory option
- ZBI 2.0™—Factory- or field-installed, this powerful programming language lets printers run standalone applications, connect to peripherals, and much more

## Fonts/Graphics/Symbologies

### Fonts and character sets

- Character fonts: Standard bitmapped Zebra fonts: A, B, C, D, E (OCR-B), F, G, H (OCR-A), GS, P, Q, R, S, T, U, V & Ø Smooth font (CG Triumvirate™ Bold Condensed)
- Supports user-defined fonts and graphics—including custom logos
- Bitmap fonts are expandable up to 10 times, height- and width-independent. Fonts E and H (OCR-B and OCR-A), however, are not considered in spec when expanded
- Smooth-scalable font Ø (CG Triumvirate Bold Condensed) is expandable dot-by-dot, height- and width-independent, while maintaining edges to a max. 1500 x 1500 dots

### Barcode symbologies

#### Linear barcodes:

- Codabar, Code 11, Code 39, Code 93, Code 128, EAN-8, EAN-13, EAN-14, GS1 DataBar™ (formerly RSS), Industrial 2-of-5, Interleaved 2-of-5, Logmars, MSI, Plessey, Postnet, Standard 2-of-5, UPC-A, UPC-E, UPC-A and UPC-E with EAN 2 or 5 digit extensions

#### Two-dimensional:

- Aztec Code, Codablock, Code 49, Data Matrix, MaxiCode, MicroPDF417, PDF417, QR Code

## ZebraLink™ solutions

### Software

- ZebraDesigner™ Pro (option)
- ZebraDesigner (standard)
- ZebraNet™ Bridge Enterprise (option)
- ZebraNet Utilities v7.0 (standard)
- ZebraDesigner Driver
- Zebra Universal Driver
- ZBI 2.0 (optional)
- ZBI-Developer™ (standard with ZBI 2.0)

### Networking options

- ZebraNet® 10/100 Print Server (internal)
- ZebraNet® b/g Print Server (internal)

### Firmware

- ZPL II—Universal language for Zebra printers. Simplifies wristband and label formatting and enables format compatibility with existing systems that run Zebra printers.
- Web View & Alert