

## Zebra HC100

*Wristband Printer*



*The HC100 wristband printer with integrated media cartridge offers a total solution for wristband printing.*

### *Designed with the user in mind*

Zebra's complete and integrated wristband solution combines our new small-footprint HC100 thermal printer with easy-to-load cartridges containing Zebra's patent-pending antimicrobial Z-Band® Direct wristbands. Its smart technology senses the wristband type and auto calibrates the settings for optimised print quality. The design of the HC100 provides easy-to-use features that require minimal, if any, user interaction. There is minimal training required to use the HC100 or to load or switch the cartridge – it's a quick and simple task. The HC100 printer is designed for wristband printing. Administrators can quickly process patient admissions without having to change the media in the printer. It also eliminates waste by printing only the required number of wristbands.

### **Features**

- *Compatible with hospital IT systems*
- *Flexible connectivity options, including wireless*
- *High-quality text and bar-code printing*
- *Compact footprint*
- *Ideal for Healthcare, Leisure, Hospitality*

## Specifications

### Standard Features

- Automatic media loading – no user contact with the media during loading or removal
- Direct-thermal printing of bar codes, text and graphics
- Dual-wall frame, impact-resistant plastic
- ZPL® or ZPL II® programming language
- 32-bit RISC processor
- 16MB SDRAM memory as standard (4MB available to user)
- 8MB flash memory as standard (2MB available to user)
- Zebra E3™ Printhead Energy Control
- Dual communications interface: serial and USB
- Odometer for print-length tracking
- Illuminated media status 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

### Printer Specifications

#### Resolution:

- 12 dots per mm/300dpi

#### Maximum print length:

- 558mm/22.0"

#### Minimum print length:

- 76mm/3"

#### Print widths:

- 19.05mm/0.75", 25.4mm/1", 30.16mm/1.1875"

#### Maximum print speed:

- 51mm/2" per second

### Media characteristics

- Wristbands feature patent-pending silver antimicrobial coating, which test results show effectively prevents the wristband from harbouring *S. aureus*, *P. aeruginosa*, *E. coli* and MRSA

### Wristband options:

#### • Closure

- Adhesive (Z-Band Direct)
- Clip (Z-Band QuickClip™)

#### • Three sizes

- Adult
- Child
- Neonatal

#### • Six colour options for colour-coding

- Clips: red, blue, yellow, green and pink
- Z-Band Direct adhesive-closure wristbands: red, blue, yellow, green, orange and pink (adult size only)

### Operating Characteristics

#### HC100 environmental specifications

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

#### Wristband cartridge environmental specifications

- Service temperature: -40° to 140°F (-40° to 60°C)
- Storage temperature: 32° to 70°F (0° to 21°C) at 35% to 50% RH

#### 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: 127mm/5"
  - Height\*\*: 178mm/7"
  - Depth: 242mm/9.5"
  - Weight: 1.4kg/3.1lb
- \*\* Requires 153mm (6") clearance above printer to load cartridge

### *Options and Accessories*

- Ethernet – ZebraNet® 10/100 Internal Print Server – factory-installed only, offered in combination with serial and USB interfaces
- Wireless 802.11 b/g – ZebraNet Internal Wireless Plus Print Server – factory-installed only, offered in combination with serial/USB interface
- Font packs – Asian and other international font kits
- Factory-installed 64MB (58MB user-available) flash memory option
- ZBI 2.0™ – factory- or field-installed

### *ZebraLink™ Solutions*

#### **Software**

- ZebraDesigner™ Pro
- ZebraDesigner
- ZebraNet™ Bridge Enterprise
- ZebraNet Utilities v7.0
- ZebraDesigner Driver
- Zebra Universal Driver
- ZBI 2.0
- ZBI-Developer™

#### **Networking options**

- Ethernet – ZebraNet 10/100 Internal Print Server
- Wireless 802.11 b/g – ZebraNet Internal Wireless Plus Print Server

#### **Firmware**

- ZPL II
- Web View
- Alert

### *Bar Code Symbologies*

#### **Linear bar codes:**

- 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, Maxi-Code, MicroPDF417, PDF417, QR Code

### *Fonts and Graphics*

- 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