HC100 Wristband Printer

THE EASIEST SOLUTION FOR WRISTBAND PRINTING

Zebra's HC100™ wristband printer is designed to be simple and intuitive to use. Just pop the easy-to-load cartridges containing Zebra's Z-Band® wristbands into the printer—and print individual wristbands. Zebra® offers a wide range of available wristbands that are ideal for applications including hospital patient identification as well as guest identification at hospitality venues and attractions such as amusement parks, sporting events and zoos. Tested and certified by leading healthcare PAS/EHR providers, the HC100 is your choice for easy, fast patient wristband printing. ENERGY STAR® qualified, the HC100 protects your budget throughout its lifecycle.

Zebra OneCare Services
Increase printer uptime and reduce lost productivity and unbudgeted repair costs by selecting a Zebra OneCare™ service agreement. A cost-effective means of planning and budgeting for your annual maintenance expenditures, your agreement ensures that trained Zebra technicians will bring your printer back to factory specifications. Zebra offers a variety of plans to fit your budget and business needs.

Quick, Simple Media Loading
Loading media into the HC100 couldn't be easier. Simply insert the cartridge and the printer does the rest. The HC100 detects the wristband type and size, and automatically calibrates the settings for optimal print quality and reduced waste. Very little user training is required, and media changes are quick.

Outstanding Resolution for Crisp Text and Scannable Barcodes
With high resolution 300 dpi printing, the HC100 produces wristbands with crisp, easy-to-read text and 2D barcodes.

Intuitive to Use. Accommodates a Wide Range of Wristbands.

Integrate With Ease
Featuring multiple connectivity options —including Wi-Fi®-certified communications—along with a small footprint, the HC100 integrates and fits in your workspace with ease.

Fast Printing to Match Your Demanding Environment
Avoid long guest and patient wait lines with fast print speeds, and improve your customers' experience and staff productivity.

Engineered to Withstand Harsh Cleaning Chemicals
The HC100 features wipeable plastics to endure continual cleaning with most hospital disinfectants.

Healthcare Friendly Wristbands Enhance Patient Safety
Ideal for healthcare applications, the HC100 is tested and certified by leading healthcare PAS/EHR providers. Process patient admissions quickly and safely using the HC100. Print patient information and all industry standard one- and two-dimensional barcode symbologies directly onto Zebra's Z-Band direct thermal wristbands. Available in a variety of sizes, colors and materials, these wristbands feature an antimicrobial coating to protect patient safety, along with an adhesive or clip closure. Determined MR-Safe by an independent MRI testing company, Zebra's Z-Band thermal wristbands are also scannable up to 14 days, enabling you to provide quality patient care and safety.

Attraction and Event Wristbands Designed to Meet Your Needs
Cartridges are available in a wide variety of wristband sizes and colors. Wristbands feature a waterproof adhesive, making them an ideal solution for amusement and water park guest identification. Provide cashless point-of-sale and access management services with the HC100's print-on-demand barcoded wristbands. The Zebra HC100 printer and direct thermal Z-Band Fun or Z-Band Splash wristbands can:

- Reduce ticket fraud and revenue losses
- Improve transaction speeds and enhance each guest's experience with barcode scanning

For more information about the HC100 Wristband Printer, visit www.zebra.com/hc100 or access our global contact directory at www.zebra.com/contact

HC100 Specifications

STANDARD FEATURES

- Quick and 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® and ZPL II® programming language
- 32 bit RISC processor
- 8 MB Flash memory (standard)
- 16 MB SDRAM memory (standard)
- E3™ Element Energy™ Equalizer 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
- XML-enabled printing — allows XML communications from information systems
- ENERGY STAR qualified

PRINTER SPECIFICATIONS

Resolution	300 dpi/12 dots per mm
Minimum Print Length	3"/76 mm
Maximum Print Length	22"/558 mm
Print Widths	0.75"/19.05 mm, 1"/25.4 mm, 1.1875"/30.16 mm
Maximum Print Speed	2"/51 mm per second (Healthcare)
	4"/102 mm per second (Z-Band Fun and 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 to 105°F/4.4° to 40°C
	Operating Humidity: 20% to 85% non-condensing
	Storage/Transportation Temperature: -40° to 140°F/-40° to 40°C
	Storage Humidity: 5% to 85% non-condensing
	Wristband Cartridges
	• Service Temperature: 40°F to 105°F/4.4° to 40°C
	• Storage Temperature: 32°F to 70°F/0° to 21°C
	• Storage Humidity: 35% to 50% non-condensing

Electrical	Universal power supply (PFC-compliant)
	100–240VAC, 50–60Hz
	ENERGY STAR qualified
	Energy Efficiency Level VI compliant
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	5"/127 mm
Height**	7"/178 mm
Depth	9.5"/242 mm
Weight	3.1 lbs./1.4 kg

**Requires 6"/153 mm clearance above printer to load cartridge

Healthcare wipeable plastic is designed to withstand a variety of disinfectants, chemicals and cleaning solutions. See www.zebra.com for full list.

COMMUNICATION AND INTERFACE CAPABILITIES

ZebraNet 10/100 Print Server (internal)

ZebraNet b/g Print Server (internal)

Wireless — 802.11 b/g Print Server (optional)

SOFTWARE TOOLS

ZebraLink™ Solutions

ZebraDesigner™ — Simple Windows® WYSIWYG label design application with basic features.

Zebra Setup Utilities — A Windows application to quickly set up and configure your Zebra printer.

ZebraDesigner Pro — Simple Windows WYSIWYG label design application offering more advanced features for more complex label designs (option).

ZBI-Developer™ — Programming utility makes it dramatically easier for programmers to create and test complex ZBI 2.0™ programs and distribute them to the printer (standard with ZBI 2.0).

ZebraNet™ Bridge Enterprise — Centrally manage Zebra printers from a single PC screen anywhere on your global network.

ZebraNet Utilities v7.0 — Provides enhanced printing, conversion and administration capabilities; message management; and more.

ZebraDesigner Windows Driver — Zebra's powerful Microsoft® certified Windows driver.

POS Driver

Web View
Connect and control Zebra barcode printers using ZPL II via the printer's web interface using common web browsers.

Alert
Printers equipped with ZebraNet print servers will notify you via any email-enabled, wired, or wireless device to minimize downtime.

FIRMWARE

ZBI 2.0 — Optional powerful programming language that lets printers run stand-alone applications, connect to peripherals, and much more.

ZPL and ZPL II — Zebra Programming Language provides sophisticated label formatting and printer control and is compatible with all Zebra printers.

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

2D Barcodes: Aztec Code, Codablock, Code 49, Data Matrix, MaxiCode, MicroPDF417, PDF417, QR Code

Ideal for These Applications

Healthcare
Patient Identification:
- Hospitals
- Outpatient Clinics

Guest Identification:
- Amusement Parks
- Water Parks
- Resorts
- Carnivals
- Concerts
- Sporting Events
- Zoos

HC100 Specifications

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 and 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 maximum. 1500 x 1500 dots

2 MB user-available Flash memory

4 MB user-available SDRAM

OPTIONS AND ACCESSORIES

ZebraNet 10/100 Print Server (internal) — factory-installed only, offered in combination with Serial/USB interface

ZebraNet 802.11 b/g wireless 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

Keyboard Display Unit — ZKDU™ keyboard display units for stand-alone printing applications

For optimum print quality and printer performance, use genuine Zebra supplies.

Specifications subject to change without notice.

*Contains UFST® from Agfa Monotype Corporation

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