

# ZC100 Card Printer

Next Generation simplicity and security in a 'fit everywhere' design

Whether you need to print single-sided employee identity badges or membership and event guest cards, card printing is a crucial aspect of your business. Deployment flexibility and the time it takes to print and manage your card printing solutions all have an impact on your business — from your brand image to staff productivity, overall operational efficiency and operating costs. Now, there's a new kind of card printer designed to address it all — the ZC100. You get groundbreaking simple operation and the slimmest fit-everywhere design, along with a toolbox of additional capabilities that make the ZC100 even easier to integrate, use and manage.



## Elegantly engineered for game-changing simplicity

### Painless plug-and-play deployment

The ZC100 is designed to work right out of the box. There's no time-consuming complicated set-up — just plug it in and start reaping the benefits the day your printer arrives.

### A new ingenious card feeder handles varying card thickness on-the-fly

The card feeder instantly adjusts to the thickness of each card — no more adjusting for different card stocks.

### The most intuitive LEDs

With our well-tested intuitive icons, a quick glance is all it will take for your users to see the status of the ZC100.

### Innovative new driver with a graphical user interface

The intuitive interface in the newly-designed driver makes it easier than ever to print cards. Settings are grouped logically into tabs where they are easily accessible with a click. A visual display of your card allows you to instantly see how your card looks and how setting changes impact card design — eliminating the time and cost to repeatedly print test cards.

### Revolutionary new hopper design

The completely re-designed hopper makes loading and unloading cards easier than ever. With the saloon-style output doors, there's nothing to open — just grab one card or the whole stack of cards. And the input and output hoppers have the same capacity, reducing the need to refill and empty the hoppers.

### Fool-proof ribbon changing

Changing a ribbon has never been so simple and uncomplicated — no instructions required. Unlock and open the newly designed ribbon door latch in one motion. The unique doorhandle style grip leaves no question about how to remove or insert the ribbon. And with embedded smartchips, you always know when to change the ribbon.

Step up to the Next Generation in card printing with the ZC100.

For more information, visit [www.zebra.com/zc100](http://www.zebra.com/zc100)

or access our global contact directory at [www.zebra.com/contact](http://www.zebra.com/contact)

#### **Effortless manual card feed**

Manually feeding a card can be complicated — we made it simple with a lightpipe that guides the user through the manual feeding process, the same way that automatic teller machines guide users through their interaction.

#### **We speak your language**

Workers can interact with the ZC100 in their native tongue with driver support for multiple languages — English, French, Italian, Spanish, Portuguese (Brazilian), German, Polish, Russian, Simplified Chinese and Arabic.

#### **Ground-breaking ‘fits everywhere’ design**

##### **Good looks that fit in anywhere**

Even though the ZC100 is built for business, it has the consumer good looks required to fit in customer facing areas, from the retail store to the hospital admission desk.

##### **Sized to fit wherever you need printing**

Your printer shouldn't dictate where you can issue cards — it should fit wherever card printing is needed. From the minimal footprint and the slimmest profile to the lowest clearance in this printer class, the ZC100 was designed to fit in the most possible places — including under a counter or shelf.

##### **All the connectivity options you need**

Connect to one computer through the onboard USB to create a standalone printing station. Or, add optional Ethernet or Wi-Fi to give everyone who needs card printing instant access, maximizing printer usage. And improve deployment flexibility with Wi-Fi — the time and cost to run network cabling to your printers is eliminated.

##### **Printer cover lock**

The printer cover lock prevents the theft of card stock, providing the security required to install in public-facing areas.

#### **Advanced security**

##### **Printer and host authentication**

Advanced security features enable printer-to-host authentication to prevent printing from unauthorized applications or devices.

#### **AES data encryption**

Government-grade encryption protects the most sensitive data during printing, such as account numbers.

#### **Fast and flexible printing**

##### **Fast single-sided color and monochrome printing**

We took a good thing and made it better. The ZC100 prints up to 30% faster in monochrome and 15% faster in color than its predecessor, Zebra's ZXP Series 1 card printers.

##### **Basic encoding options**

Whether you are printing employee badges, ID cards, season passes and membership cards or credit and debit cards, you can choose the encoding option of your choice. Add a 'swipe-and-go' magnetic stripe when you print cards. Or use the ZIP Pocket with our new Software Development Kits (SDKs) to easily add a third party contactless encoder to create 'pass through' contactless cards.

#### **Boost value with new capabilities and the right support**

##### **Get unmatched value with Print DNA — only from Zebra**

The printer hardware is just the start of what you need to maximize the value of your printers. That's why we created Print DNA — because what's inside your printer matters. The Print DNA family of solutions brings unmatched ease of use, ease of integration and security to card printing, streamlining your operational efficiency and reducing development and deployment time and cost.

##### **Protect your investment with Zebra's superior support services**

No matter what level of support you need, there is a Zebra support service that is just right for your business. With Zebra OneCare, no matter what happens to your printer, it's covered. If you just need access to technical support, choose Zebra's Technical Software and Support (TSS). And if you want help setting up and configuring the hundreds of settings on local and remote ZC100 printers, our Install & Configuration Assistance (ICA) Select program provides the support you need.

# ZC100 Card Printer Specifications

## Standard Features

- 300 dpi (11.8 dots/mm) print resolution
- 2 GB flash memory
- Image size: 1006 x 640 pixels
- Auto calibration of ribbon
- USB 2.0 connectivity
- 100 card capacity auto-adjusting input hopper (30 mil)
- 100 card capacity output hopper (30 mil)
- Manual card feeding capability with LED bezel
- 3 Tricolor printer status indicator lights
- Kensington® secure lock slot
- Printer host authentication and data encryption
- Print Touch NFC tag and Quick Help QR code for online printer help and documentation access
- Two-year unlimited warranty on printer and printhead

## Printing Specifications

- Dye-sublimation thermal transfer direct to card print method
  - Full-color or monochrome printing
  - Single-sided printing
  - Edge-to-edge printing on standard CR-80 media
- Printing throughput (cards per hour) based on batch printing with USB connectivity. Times may vary depending on the computer configuration.

<b>YMCKO:</b>	Single-Sided: 150 cph
<b>Monochrome:</b>	Single-Sided: 700 cph

## Media Specifications

### Supplies Specifications:

NOTE: The ZC100 printer is designed to work only with Zebra genuine ribbons. Ribbons are included in a simple-to-load cartridge.

Ribbon Description	Cartridge Image Count
YMCKO*	200
½ YMCKO*	400
Black Monochrome*	2000
Black Monochrome	1500
White Monochrome*	1500
Red Monochrome	1500
Blue Monochrome	1500
Gold Monochrome	1500
Silver Monochrome	1500

- \*Zebra intelligent technology automatically detects and authenticates ribbon
- Cleaning roller is included with each ribbon
  - Two available cleaning kit options: your choice of two (2) or five (5) isopropyl alcohol cleaning cards (1,000 images/card)

### Card Compatibility:

NOTE: For optimum print quality and printer performance, use of Genuine Zebra supplies is recommended.

- Card Thickness: 10-40 mil\*
- Card Size: CR80 ISO 7810 ID-1 format, CR79\*
- Card Material: PVC and PVC composite
- Adhesive back and writable back cards
- Transparent cards\*

\*Note: Spot color or monochrome printing recommended only on >20 mil thick cards, CR79 cards, and transparent cards.

## Operating Characteristics

<b>Operating Temp.</b>	59° F to 95° F/15° C to 35° C
<b>Operating Humidity</b>	20% to 80% non-condensing
<b>Media Storage</b>	— Temperature: 41° F to 77° F/5° C to 25° C — Humidity: 35% to 65% non-condensing
<b>Electrical</b>	• Auto-switching single-phase AC power • Operating range: 90-132VAC and 190-264VAC RMS • Frequency range: 47-63 Hz • FCC Class A

## Physical Characteristics

<b>Dimensions</b>	10.2 in. H x 6.2 in. W x 15.1 in. D 258 mm H x 157 mm W x 383 mm D
<b>Weight</b>	8.6 lbs (3.9 kg)

## Communications and Interface Capabilities

<b>USB 2.0</b>	Standard
<b>Built-in 10/100 Ethernet</b>	Optional
<b>802.11ac</b>	Optional

## Encoding Options and Specifications

- Magnetic stripe encoder — ISO 7811 (new and pre-encoded; tracks 1, 2, and 3; high and low coercivity; stripe down; 30 mil cards only) \*
  - Third party contactless encoder integration kit (ZIP Pocket)\*
- \*Field upgradeable options

## Printer Drivers

<b>Microsoft Windows Certified</b>	Windows Server 2008 (32 and 64 bit), Windows 7 (32 bit and 64 bit) Windows 8 and Windows 8.1 (32 bit and 64 bit compatible) Windows Server 2012 (64 bit) Windows 10 (32 bit and 64 bit) Windows Server 2016 <b>Windows drivers include:</b> • Color coded printer status indicators for the operator • Black panel extraction and controls for specialty ribbon panels with image preview • Configuration utility to limit access by operators to change image quality and printer settings • Advanced printer configuration, security settings and diagnostics capabilities
<b>Linux</b>	Ubuntu 16..X (64 Bit)
<b>Apple</b>	MAC OS X 10.13.X (64 bit)

Please see [www.zebra.com](http://www.zebra.com) for an up-to-date listing of supported systems.

The ZC100 is ideal in many applications, including:

### Retail/Hospitality

- Membership cards
- Events and season passes
- Guest and passenger cards
- Food safety labeling

### Identification

- Employee badges
- Visitor badges
- K-12 identification and facility access

## PRODUCT SPEC SHEET

### ZC100 CARD PRINTER

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#### Additional Optional Features

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Lockable enclosure (field upgradeable option)

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#### Print DNA

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##### Multiplatform Software Development Kit (SDK)

- Windows C#.Net and Java Printer Software Development Kit (SDK)
- One SDK supports Android, Java and Windows environments
- Easily build card-printing apps with complete control over print functionality from Windows, Linux, Mac OS and Android environments
- Enable card printing from Android mobile devices
- Incorporate encryption and host authentication (Windows only)
- Includes documentation and source code examples

##### CardStudio

A simple-to-learn and feature-rich card design software that makes it easy to design loyalty cards, gift cards, ID cards and more.

##### Print Touch

With a single tap, you can use Android-based mobile devices to access how-to and troubleshooting information to help keep printers up, running and available.

##### Printer Profile Manager Enterprise (PPME)

PPME facilitates the centralized control and management of a large number of Card printers via an intuitive Web interface. This application makes it easy to navigate through all the Card Printer settings and quickly create your printer profiles with just a handful of 'clicks'. Update and manage networked Enterprise Zebra Link-OS printers from a single console automatically with a direct encrypted connection to protect sensitive data.

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#### About Print DNA

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Print DNA propels your Zebra Link-OS for Card printers into a class of their own, providing Zebra-only software tools that make life easier for everyone who touches your printers, from printing to printer management and application development.

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**NA and Corporate Headquarters**  
+1 800 423 0442  
inquiry4@zebra.com

**Asia-Pacific Headquarters**  
+65 6858 0722  
contact.apac@zebra.com

**EMEA Headquarters**  
zebra.com/locations  
contact.emea@zebra.com

**Latin America Headquarters**  
+1 847 955 2283  
la.contactme@zebra.com