SPECIFICATION SHEET
ZC100 CARD PRINTER

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. The ZC100 — when only the best single-sided card printer will do.



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 door-handle style grip leaves no question about how to remove or insert the ribbon. The snug-fit design has no play or adjacent open areas, so there's never a question about whether the ribbon is installed correctly and in the proper place. And with embedded smartchips, you always know when to change the ribbon.

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, 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.

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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 business processes, improving 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.

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

ZC100 Card Printer Specifications

PRINTER NAME

ZC100

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.

	Single-Sided
YMCKO:	150 cph
Monochrome:	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

Ribbon availability may vary by region.

- *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
- Spot color or monochrome printing only on < 20 mil thick cards and CR79 cards

OPERATING CHARACTERISTICS

Environmental	Operating Temperature: 59° F to 95° F/15° C to 35° C Storage Temperature: 23° F to 158° F/-5° C to 70° C Operating Humidity: 20% to 80% non-condensing Storage Humidity: 20% to 90% non-condensing Media Storage: — Temperature: 41° F to 77° F/5° C to 25° C — Humidity: 35% to 65% non-condensing
Electrical	• Auto-switching single-phase AC power • Operating range: 90-132VAC and 190-264VAC RMS • Frequency range: 47-63 Hz • FCC Class A

PHYSICAL CHARACTERISTICS

Dimensions	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
Weight	8.6 lbs (3.9 kg)

COMMUNICATIONS AND INTERFACE CAPABILITIES

USB 2.0 — Standard
Built-in 10/100 Ethernet — Optional
802.11ac with MFi — 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*

*Field upgradeable options

PRINTER DRIVERS

Microsoft Windows Certified	Windows Server® 2003 (32 bit) Windows Server 2008 (32 and 64 bit), Windows 7 (32 bit and 64 bit) Windows 8 and Win 8 Pro (32 bit and 64 bit compatible) Windows Server 2012 (64 bit) Windows 10 (32 bit and 64 bit) **Windows drivers include:** • 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
Linux	Ubuntu
Apple	iOS 10.2

Please see www.zebra.com for an up-to-date listing of supported systems.

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ZC100 Card Printer Specifications (continued)

ADDITIONAL OPTIONAL FEATURES

Lockable enclosure (field upgradeable option)

PRINT DNA

Multiplatform Software Development Kit (SDK)
Windows C#/.Net and Java Printer Software Development Kit (SDK)

- One SDK download 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
- Includes documentation and source code examples

CardStudio
Included with the printer, this 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.

About Print DNA. 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.

Features are subject to availability. Specifications are subject to change without notice.

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Part number: SS-ZC100 03/07/2018