



SF-ZC300 Card Printer

DESIGN AND PRINT VIRTUALLY ANY CARD WITH GROUND-BREAKING SIMPLICITY

No matter what type of card you need to print — from identity and access to membership, event and credit/debit cards — the SF-ZC300 will help you do it better, faster and easier. If you can dream it, you can print it — single- or dual-sided, color, black and white or metallic, you can even embed security marks on the fly — a first for a printer in this price point. Add a magnetic stripe or create a contact or contactless card. No matter how complex your cards are, the SF-ZC300 makes it easy — Industrial Design team has elegantly engineered the SF-ZC300 to address and eliminate virtually all pain points associated with card printing. And with a ground-breaking fits-everywhere design, you can get secure card printing wherever you need it. The SF-ZC300 Series — complex card printing made easy.



THE SIMPLEST CARD PRINTER ON THE PLANET

Highly graphical LED/LCD interface

The SF-ZC300 offers highly-intuitive well-tested icons, animations and text-based messages in your own language to allow

any user to easily understand what the printer needs and how to perform virtually any function, including how to clear a

printer jam, fix a ribbon, load a ribbon or cards and more.

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 guessing and adjusting for different card stocks.

Painless plug-and-play deployment

The SF-ZC300 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.

Groundbreaking 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 makes printing simple monochrome and complex color cards equally easy, allowing 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.

We speak your language

Workers can interact with the SF-ZC300 in their native tongue with support for multiple languages on the LCD display and in the driver — English, Italian, Spanish, Portuguese (Brazilian), German, Polish, Russian, Simplified Chinese and Arabic.

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.

WHEN IT COMES TO CARD DESIGN, THE SKY IS THE LIMIT

Easily print practically any design you can imagine

The SF-ZC300 is loaded with advanced card production features. Print what you want, when you want, from just about anywhere — single or dual-sided edge-to-edge monochrome and color cards, with new ribbons that offer specialty colors and special effects. For example, a new pearlescent ribbon enables you to embed color-shifting graphics that are hard to counterfeit, improving card security. Make logos, text or account numbers stand out with 3D style effects that can be created with a new metallic color ribbon. And a new long life ribbon provides two new capabilities. You can embed a watermark graphic that can only be seen when the card is tilted at an angle or under UV light, improving security. And you can add a highly durable protective layer to create cards that will last for three to five years. And even the most complex design is as easy to print as a basic black and white card.

Encode it your way

Right out of the box, you get support for magnetic stripe, a contact and contactless combination encoder with a Secure Access Module (SAM) socket to create payment cards. And with ZIP Pocket and our new Software Development Kits (SDKs), it's easy to integrate support for any 3rd party contact and contactless encoders you may already own.





GROUND-BREAKING 'FITS EVERYWHERE' DESIGN

Good looks that fit in anywhere

Even though the SF-ZC300 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 SF-ZC300 is 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. Use the integrated Ethernet connection to give everyone who needs card printing instant access, maximizing printer usage. And improve deployment flexibility with optional Wi-Fi, eliminating the time and cost to run network cabling to your printers.

Printer cover lock

The printer cover lock prevents the theft of card stock and rejected cards, providing the security required for installation 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.

BOOST VALUE WITH NEW CAPABILITIES AND THE RIGHT SUPPORT

Get unmatched value with Print DNA

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 Our superior support services

No matter what level of support you need, there is a support service that is just right for your business. With OneCare, no matter what happens to your printer, it's

covered. If you just need access to technical support, choose Technical Software and Support (TSS). And if you want help setting up and configuring the hundreds of settings on local and remote SF-ZC300 printers, our Install & Configuration Assistance (ICA) Select program provides the support you need.

The SF-ZC300 is ideal in many applications, including:

General Access Control

- Employee badges

Education

- Access control cards for identification and facility access for K-12 and higher education campuses

Retail/Hospitality

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

Financial Services

- Credit cards
- Debit cards

**DESIGN AND PRINT THE CARDS OF YOUR DREAMS
WITH GROUND-BREAKING SIMPLICITY.**



SF-ZC300 Card Printer Specifications

PRINTER NAME

SF-ZC300 (LA & APAC)

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 and Ethernet 10/100 connectivity
- 100 card capacity auto-adjusting input hopper (30 mil)
- 100 card capacity output hopper (30 mil)
- Manual card feeding capability with LED bezel
- Graphical color LCD
- 3 Tricolor printer status indicator lights
- Kensington® secure lock slot
- Print Touch NFC tag for online printer help and documentation access
- Printer host authentication
- Data encryption
- **One** year warranty on printer and printhead

PRINTING SPECIFICATIONS

- Dye-sublimation thermal transfer direct to card print method
- Full-color or monochrome printing
- Single and dual-sided printing
- Edge-to-edge printing on standard CR-80 media

Printing throughput (cards per hour) based on batch printing with USB connectivity. Note that times may vary depending on the computer configuration.

- 225 cards/hour single-sided YMCKO
- 140 cards/hour dual-sided YMCKOK
- 900 cards/hour single sided monochrome
- 450 cards/hour dual sided monochrome

MEDIA SPECIFICATIONS

Supplies Specifications:

NOTE: The SF-ZC300 printer is designed to work only with genuine ribbons. Ribbons are included in a simple-to-load cartridge.

| Ribbon Description | Cartridge Image Count |
|--------------------|-----------------------|
| YMCKO* | 200 |
| YMCKO* | 300 |
| YMCKOK* | 200 |
| ½ YMCKO* | 400 |
| ½ YMCKOKO* | 250 |
| YMCKLL* | 200 |
| YMCKPKO* | 200 |
| SrDYMCKO* | 200 |
| KrO* | 700 |
| KdO* | 700 |
| 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.

- *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)

MEDIA SPECIFICATIONS (CONTINUED)

Card Compatibility:

NOTE: For optimum print quality and printer performance, use of Genuine 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 |
| Electrical | Media Storage: — Temperature: 41° F to 77° F/5° C to 25° C — Humidity: 35% to 65% non-condensing |
| | • Auto-switching single-phase AC power |
| | • Operating range: 90-132VAC and 190-264VAC RMS |
| | • Frequency range: 47-63 Hz • FCC Class A |

PHYSICAL CHARACTERISTICS

SINGLE SIDED

| | |
|------------|---|
| 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 | 8.8 lbs (4.0kg) |

DUAL SIDED

| | |
|------------|---|
| Dimensions | 10.2 in. H x 6.2 in. W x 18.4 in. D 258 mm H x 157 mm W x 468 mm D |
| Weight | 9.7 lbs (4.4 kg) |

COMMUNICATIONS AND INTERFACE CAPABILITIES

USB 2.0 — Standard
Built-in 10/100 Ethernet — Standard
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 and stripe up with duals-sided printers) *
- Combined MIFARE® ISO 14443 A & B (13.56 MHz) contactless with 1 SAM Module Slot and ISO 7816 Contact Encoder with EMV level 1 certification, and PC/SC compliance* (optional module with support for reading Prox® ISO 11784 and iCLASS ISO 15693)
- ISO 7816 Smart Card Contact Station for third party external contact encoders*
- Third party contactless encoder integration kit*

*Field upgradeable options

Continued on back



SF-ZC300 Card Printer Specifications (continued)

| 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: |
| | <ul style="list-style-type: none">• 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 |
| ADDITIONAL OPTIONAL FEATURES | |
| <ul style="list-style-type: none">• Card flipper for dual-sided printing*• 10 card reject bin is standard with dual-sided printers*• Lockable enclosure* | |
| *Field upgradeable options | |

| PRINT DNA |
|--|
| Multiplatform Software Development Kit (SDK) |
| Windows C#/Net and Java Printer Software Development Kit (SDK) |
| <ul style="list-style-type: none">• 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 |
| 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 Link-OS for Card printers into a class of their own, providing -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. |

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

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 Link-OS for Card printers into a class of their own, providing -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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