ZXP Series 8™ Secure Issuance Retransfer Card Printer

Provide Financial Cards Instantly

With Zebra's ZXP Series 8 Secure Issuance printer, your financial, educational or retail institution can issue financial cards quickly, securely and without sacrificing print quality. You'll boost customer satisfaction by instantly printing and encoding personalized cards on-site.

Secure and Protect Cards and Data

Meeting industry standards for the financial instant issuance market, and custom-coded for leading instant issuance applications, the printer ensures the highest levels of security and reliability. The printer includes physical and logical security locks to protect the input hopper, reject bin, and media inside the printer from unauthorized access, and can be physically secured to the work station via a Kensington® lock. AES-128 encryption protects all sensitive cardholder data during network transmission, and the cards are obstructed from view while in the input and output hoppers.

Reduce Operational Costs and Increase Revenue

Instant issuance eliminates the costs and delays of mailing cards from centralized printing facilities, and prevents cards from being lost or stolen in the mail. Both the issuing institution and the cardholder gain peace of mind, while card activation rates and cardholder spending rise.

Specifically Designed for Financial Services Instant Issuance Solutions Including:

- Bank-issued ATM and credit cards
- Personalized retail gift cards
- Campus debit and cashless cards

ZXP Series 8 Secure Issuance Printer

Security Features

- Obscured card input and output hoppers

- Logical lock for enclosure, input hopper and reject bin with physical key override

- Printer auto lock on power up initialization

- Transfer film easily shows tamper evidence for built-in fraud protection

- Kensington® lock slot to secure printer to work station

- K panel ribbon overwrite feature protects unauthorized access to sensitive print data

Superior Performance

- Best-in-class throughput for printing and encoding—due in part to the patent-pending simultaneous 2-sided retransfer process plus efficient landscape print mode—increases your operational efficiency without sacrificing quality.

- Based on Zebra's image-processing technology, photo-quality color and resolution are obtained to meet your quality and brand specifications.

- Designed inside and out to be reliable and durable—reducing repair costs and downtime.

Easy Printer Integration and Management

- Advanced ZMotif™ SDK enables financial services application providers and system integrators with complete control over printing and encoding card personalization operations.

- ZMotif XML-based drivers and SDK makes the printer enterprise-ready with driver and management utility tools for easy setup and faster deployment—saving IT setup time and costs.

- Microsoft® Windows® certified drivers ensure application compatibility, ease of use, and investment protection in existing software infrastructures.

- USB and Ethernet connectivity interface options for easy integration into local or networked systems.

Modular Design With Order-Now or Add-Later Options

- Magnetic stripe encoder

- EMV level 1 smart card contact and contactless encoders

Genuine Zebra Supplies

- Zebra True Colours i Series intelligent ribbon and transfer film automatically calibrate printer—increasing productivity, reducing downtime, and minimizing training.

- Choose Zebra for quality plastic cards in a variety of types and materials.

- For high-quality output, rely on genuine Zebra supplies.

Supports Leading Financial Instant Issuance Application Providers

The ZXP Series 8 Secure Issuance printer, combined with the services of leading Zebra application provider partners, provides a complete solution for financial, retail and campus institutions looking for an instant issuance solution with the highest print quality and security features in the market. Working with leading application providers ensures the highest levels of application reliability and support.

Genuine Zebra™ Supplies

Genuine Zebra supplies meet stringent quality standards and are recommended for optimal printing quality and proper printer performance. The ZXP Series 8 Secure Issuance printer is designed to work only with Zebra True Colours® i Series™ ribbons and Zebra True Colours™ i Series transfer film.
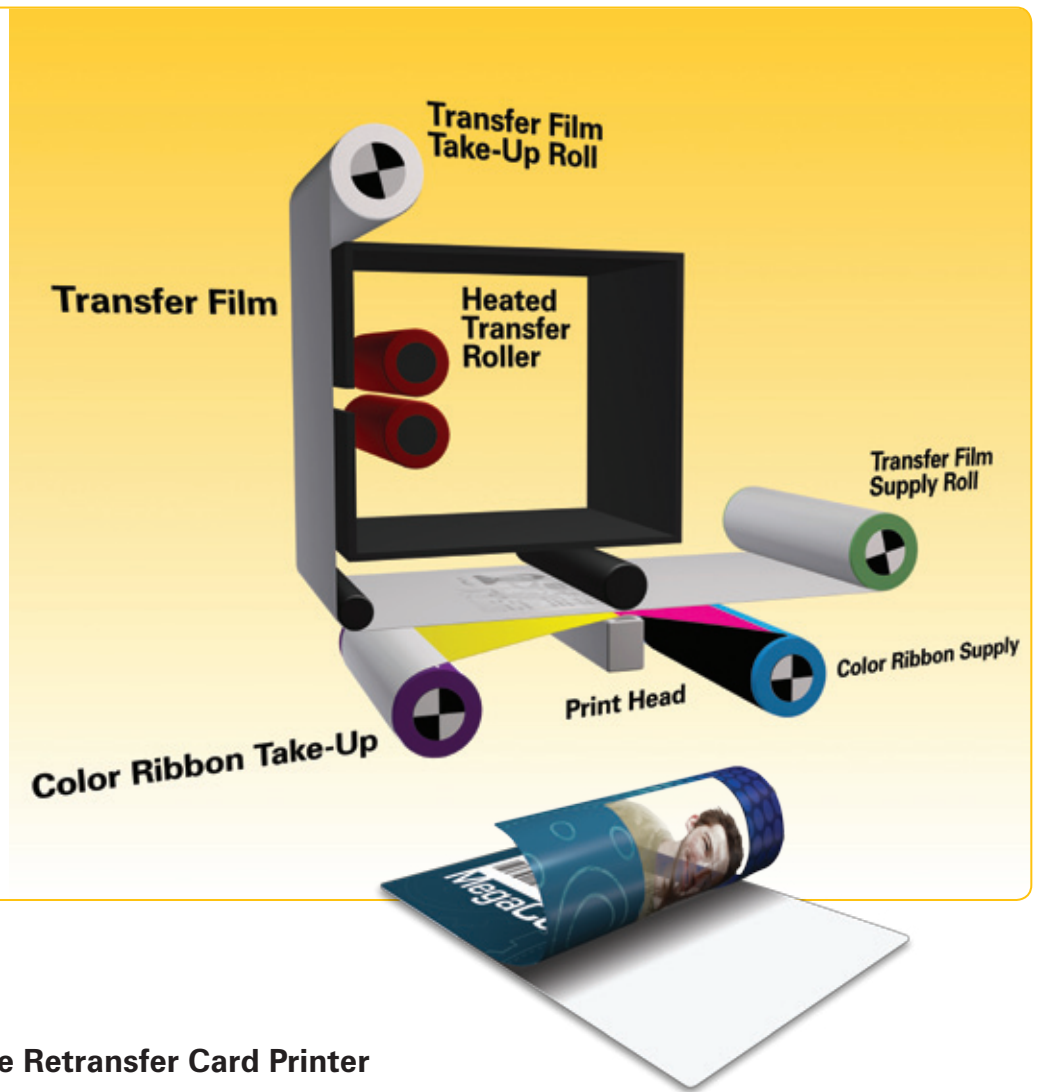
For more information, visit www.zebra.com

About Retransfer Printing Technology

Unlike traditional direct-to-card printers, which use a printhead that prints through a ribbon directly onto the card, retransfer printers print onto a flexible, transparent film that is then thermally bonded to the card. In general, benefits of retransfer printing include:

- Higher image quality and print resolution
- The ability to print on uneven card surfaces such as smart cards
- True edge-to-edge printing (via over-the-edge printing). Traditional card printers leave a white border at the edges of the card.
- The ability to print on non-PVC cards. Direct-to-card printers require a dye-receiving surface available only through PVC cards.
- More durable and abrasion-resistant cards
- Fraud protection, since the film is inherently tamper-evident

Transfer Film Take-Up Roll

Transfer Film

Heated Transfer Roller

Transfer Film Supply Roll

Color Ribbon Supply

Print Head

Color Ribbon Take-Up

Advantages of Zebra's Innovative Retransfer Card Printer

Zebra's ZXP Series 8 Secure Issuance retransfer card printer achieves the fastest print speed while maintaining top image quality, making it the best-in-class retransfer printer available on the market.

- Zebra achieves print speeds that far exceed any other retransfer printer, and that are comparable to many of the fastest direct-to-card printers on the market today.
- Zebra's image-processing technology compensates for image errors normally caused by high printing speeds—enabling photo-quality images and print resolution even at increased print speeds.

- Zebra's patent-pending simultaneous dual-sided image transfer process applies film to both sides of the card in a single pass, drastically reducing the print time.

The result is photo-like image quality and best-in-class throughput for mainstream printing and encoding—so you enjoy increased operational efficiency.

Specifications at a Glance*

Secure Issuance Features
- Printer auto lock on power-up initialization
- Application-specific and software SDK printer unlock command for card input, reject bin and printer
- Mechanical security lock and key override with unlock override thumbwheel
- Obscured, locked access 150 card capacity feeder (30 mil)
- Locked access 15 card reject hopper (30 mil)
- Obscured 100 card output hopper (30 mil)
- Kensington physical lock capable
- AES 128 encryption of encoding data
- Printer driver/SDK phase key for printer/driver authentication
- K panel ribbon overwrite feature protects unauthorized access to sensitive print data

Printing
- Dye sublimation retransfer
- Full color or monochrome retransfer printing
- Single- and dual-sided printing
- Max print speed single-side 190 cph*
- Max print speed dual-sided 180 cph*
- Photo quality image
- Over-the-edge printing on standard CR80 cards

* Print speed based on click to drop, average print coverage, with USB connectivity, card per hour (cph).

Standard Features
- USB and Ethernet connectivity
- Single-card feed capability
- 150 card capacity feeder (30 mil)
- 15 card reject hopper (30 mil)
- 100 card output hopper (30 mil)
- i Series™ intelligent media technology
- Auto-calibration of media
- 21-character, 6 line LCD operator display
- 304 dpi (12.0 dots/mm) print resolution
- 64 MB memory standard
- Lifetime warranty on printhead
- 2-year limited warranty on printer
- Microsoft® Windows® certified drivers

Options and Accessories
- Extended product warranty programs

Encoding Options & Specifications
- Smart card contact station—ISO 7816
- Magnetic stripe encoder—ISO 7811 and JIS-II (high and low coercivity)
- EMV level 1 combined MIFARE® ISO 14443 (13.56 MHz) and ISO 7816 contact encoder
- Encoding over Ethernet (external USB bridge device)

ZMotif Software
Microsoft Windows Certified Printer Drivers Supported: Windows XP, Windows Vista®, Windows Server® 2003, Windows 7
32 bit and 64 bit compatible

Driver Features:
- Graphical card orientation setting to visualize card printing setup and configuration
- Card source and card type selection
- Complete graphical control over area and element selection of black extraction parameters
- Auto sensing of ribbon type and smart card encoding options

Toolbox Utility Features:
- Printer configuration tools and utilities for complete control over all printer functions and features
- Optional password protection settings and user role-based security settings prevent accidental or unauthorized driver or printer configuration changes
- Complete technology card management enables setup and testing of all printer and encoder features and functionality
- Printer test cards and diagnostics utilities ensure error-free printing and fast troubleshooting capabilities

XML-Based SDK:
- Downloadable SDK for custom application integration
- XML-based SDK enables third parties to quickly add advanced print and encoding features
- Capabilities include direct access to PC/SC Smart Card encoder driver and XML-based job control print job specifications
- Support for complete Uv printer and inhibit pane support

Supplies
- Zebra i Series intelligent technology uses RFID tags to authenticate and automate color ribbons and transfer film
- Cleaning supplies

True Colours i Series Ribbon
- YMCK 4 panel: 625 images/roll
- YMCKK 5 panel: 500 images/roll
- YMCUvK 5 panel: 500 images/roll
- YMCKI 5 panel: 500 images/roll
- YMCKKI 6 Panel: 415 images/roll
- Monochome black: 2500 images/roll

True Colours i Series Transfer Film
- Clear and holographic: 1250 single-sided/650 dual-sided cards/roll

Card Specifications
- Support for EMV certified cards
- Card thickness: 30 – 40 mil
- Card size: ISO 7810 format, Type ID-1, CR-80 size
- Card material: PVC and composite, ABS cards, PET, PET-G, Teslin® composite, and polycarbonate**
- Specialty cards: transparent (IR-blocked) or translucent card 30 mil (clear and colored)**
- Technology cards: contact and contactless smart cards, UHF cards**

**Please contact your Zebra reseller for qualification of cards

Communications Interfaces
- USB V2.0
- 10/100 Ethernet

Electrical
- Single-phase AC power
- 100V~240V AC and 50-60 HZ

Physical
Printer
- Height (w/card hoppers): 13.2"/334 mm
- Width (w/card hoppers): 18.75"/476 mm
- Width (w/card hoppers, w/laminator): 30.75"/781 mm
- Depth: 20.4"/519 mm
- Weight (printer only): 27.5 lbs/12.5 kg
- Weight (printer, laminator): 44 lbs/20 kg

Environmental
- Operating Temperature: 59º F/15º C to 77º F/25º C
- Storage Temperature: 23º F/-5º C to 131º F/55º C
- Operating Humidity: 20% to 80% inclusive, non-condensing
- Storage Humidity: 10% to 90% inclusive, non-condensing
- Shipping Temperature: -40º F/-40º C to 140º F/60º C
- Shipping Humidity: 10% to 90% inclusive, non-condensing
- Media should not be above 140º F/60º C for longer than 200 hours, and above 90% relative humidity at 104º F/40º C for longer than 100 hours

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