

# ZXP Series 8™ Retransfer Card Printer



## Innovative, Best-in-Class Retransfer Card Printer

With best-in-class, productivity-boosting, full-throttle throughput, produce vivid color plastic cards on demand fast—thanks to Zebra’s highly advanced ZXP Series 8 retransfer card printer and its patent-pending image transfer process. Yet even at unparalleled print speeds, the printer achieves superior, photo-like image quality that boasts rich, consistent colors and strikingly sharp resolution.

The ZXP Series 8 includes ZMotif™ XML-based software for easy integration with enterprise applications. A modular design gives you the flexibility to add a variety of encoding options as needed. And the printer’s high reliability minimizes maintenance needs and total cost of ownership.

## Ideal for

- ID and access control cards
- Government-issued driver’s licenses
- National ID and voter registration cards
- Instant issuance of financial cards
- Personalized gift, membership and loyalty cards
- Smart cards in travel, gaming and entertainment

## 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 printer is designed to work only with Zebra True Colours® i Series™ ribbons, Zebra True Colours™ i Series transfer film and Zebra True Secure™ i Series laminates.



▶ For more information, visit [www.zebra.com/zxpseries8](http://www.zebra.com/zxpseries8)



# ZXP Series 8

## Superior Performance

- Best-in-class throughput for printing, encoding and laminating—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

- 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 time and costs.
- Microsoft® Windows® certified drivers ensure application compatibility, ease of use, and investment protection in existing software infrastructures.
- USB and Ethernet connectivity interfaces are standard for easy integration into local or networked systems.

## Modular Design With Order-Now or Add-Later Options

- Magnetic stripe encoder
- Smart card contact and contactless encoders

## Security Features

- Laminator module option for single- or dual-sided lamination
- Transfer film easily shows tamper evidence for built-in fraud protection
- Lockable enclosure and card feeder option prevents unauthorized use
- Kensington® lock slot to secure printer to work environment

## Genuine Zebra Supplies

- Zebra True Colours i Series intelligent ribbon and transfer film automatically calibrate printer—increasing productivity, reducing downtime, and minimizing training.
- Zebra's True Secure i Series laminates create highly secure ID cards, and the patented linerless laminate is waste-free and lowers the cost per card.
- Choose Zebra for quality plastic cards in a variety of types and materials.
- For high-quality output, rely on Zebra ribbons, transfer film and laminate consumables.
- Use Zebra custom design services to create a unique laminate hologram for enhanced security.

## Innovative Hardware Matched with Innovative Software

The Zebra ZXP Series 8 printer is based on new leading-edge software technology that enables high-performance printing and meets demanding enterprise needs for application integration and management.

ZMotif, Zebra's new XML standards-based printer and job control software platform, delivers the benefits of card printing transparently via Windows® certified drivers, along with an advanced Software Development Kit (SDK) and development tools for application integration and printer management.

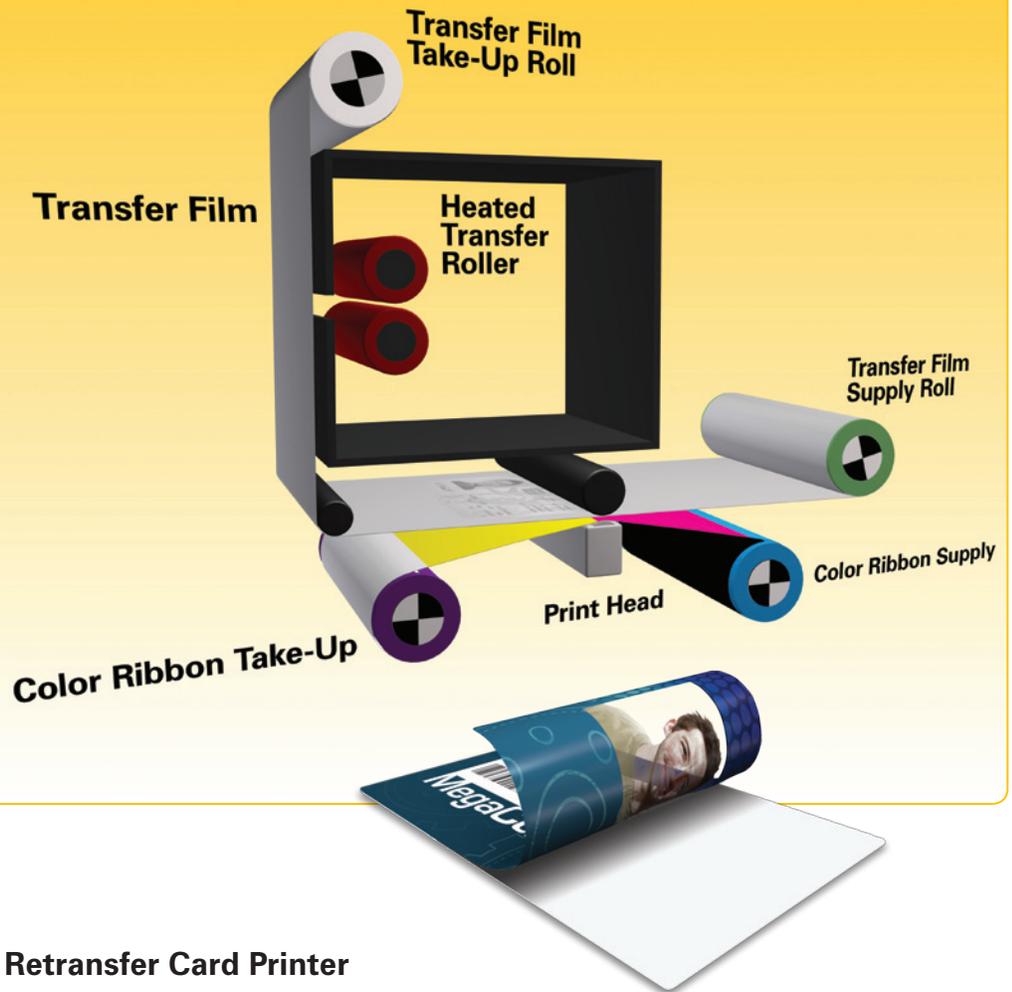
The new ZXP toolbox application provides a complete management console for advanced printer and driver configuration and management. Features such as user role-based driver password protection, configuration save and restore capability, print logging, and a library suite of test cards, ensure that setup and management of ZXP Series 8 printers are a snap—whether by a single user or via advanced multiple printer configurations management.



# 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



## Advantages of Zebra's Innovative Retransfer Card Printer

Zebra's ZXP Series 8 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, encoding and laminating—so you enjoy increased operational efficiency.

# Specifications at a Glance\*

## 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 media

\* 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
- Kensington physical lock capable

## Options and Accessories

- Laminator—single-sided and dual-sided
- Lockable enclosure/card feeder
- ZebraCare™ warranty programs
- 802.11b/g wireless connectivity
- Card input hopper (150 cards 30 mil)

## Encoding Options & Specifications

- Smart card contact station—ISO 7816
- Magnetic stripe encoder—ISO 7811 and JIS-II\* (high and low coercivity)
- Combined MIFARE® ISO 14443 (13.56 MHz) and ISO 7816 contact encoder
- EMV level 1 certified
- UHF Gen 2 RFID encoder\*\*
- FeliCa contactless encoder\*\*
- Encoding over Ethernet—requires ZBR-PS300 Ethernet-to-USB Device Server

\*\*Available in future release

## Laminator Specifications

- Single- or dual-sided lamination option (with dual-sided printer only)
- 180 cards per hour dual-sided printing and dual-sided lamination
- GSA FIPS 201 approved (dual-sided lamination)
- Uses Zebra True Secure i Series laminates only
- Laminate for the top and bottom sold separately
- Custom-coded laminates available

## 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, laminator 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 applications
- XML-based SDK enables third parties to quickly add advanced print and encoding features to the ZXP printer
- 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 panel support

## Supplies

- Zebra i Series intelligent technology uses RFID tags to authenticate and automate color ribbons, transfer film and laminate
- Media Starter Kit—1 YMCK ribbon, 1 roll of transfer film, 200 PVC cards, 2 cleaning rollers (kit not sold separately)
- 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
- YMC 3 panel: 800 images/roll
- Monochrome black: 2500 images/roll

### True Colours i Series Transfer Film

- Clear and holographic: 1250 single-sided/650 dual-sided cards/roll

### True Secure i Series Laminate

- Linerless & waste-free 1.0 mil top and bottom laminate: 625 images/roll
- Laminate types: clear top, clear bottom, magnetic stripe, signature, smart card, and holographic wallpaper designs
- Custom laminates available with holographic images
- Custom coded laminates available

## Card Specifications

- 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, and Teslin® composite\*\*\*
- 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 (encoding over Ethernet requires ZBR PS-300 Ethernet-to-USB Device Server)

## 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: 59° F/15° C to 95° F/35° C
- Storage Temperature: 23° F/-5° C to 131° F/55° C
- Operating Humidity: 20% to 80% inclusive, non-condensing
- Storage Humidity: 10% to 90% inclusive, non-condensing
- Shipping Temperature: -40° F/-40° C to 140° F/60° C
- Shipping Humidity: 10% to 90% inclusive, non-condensing
- Media should not be above 140° F/60° C for longer than 200 hours, and above 90% relative humidity at 104° F/40° C for longer than 100 hours

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

\*Specifications subject to change without notice.

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