

# 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™ 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
- People-tracking in high-security areas
- Instant issuance of ATM/credit/smart 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.



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# 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 image and print 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.
- A variety of connectivity interfaces are available for easy integration into local or networked systems—USB, Ethernet, and 802.11b/g wireless.

## Modular design with order-now or add-later options

- Magnetic stripe encoder
- Smart card contact and contactless encoders
- UHF Gen 2 RFID encoder
- Ethernet and 802.11b/g wireless connectivity

## 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 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 cards, rely on Zebra ribbons, transfer film and laminate consumables.

## 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 language, 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.

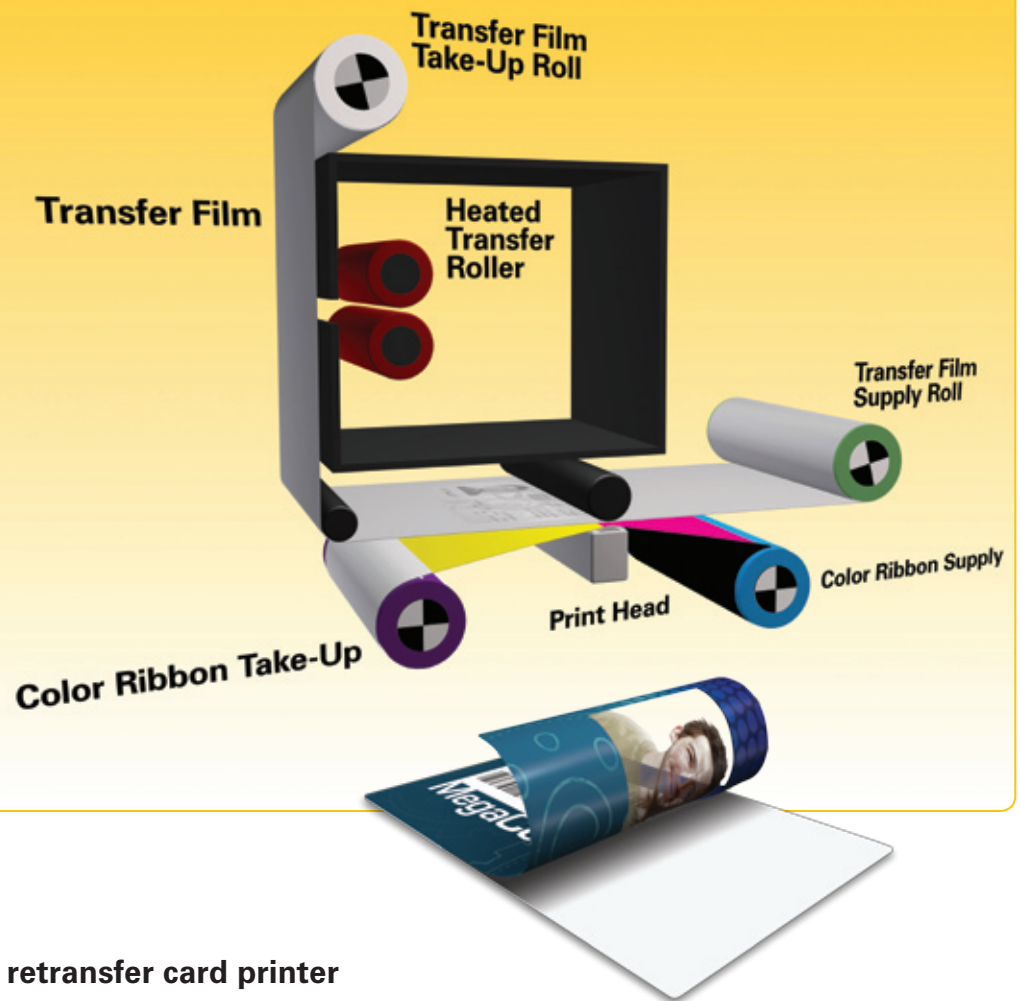
The new ZMotif toolbox application provides a complete management console for advanced printer and driver configuration and management. Features such as user role-based driver password protection, configuration save and restore capability, print logging, and a library suite of test cards, ensure that 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 dye sublimation 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 must leave a white border because printing out to the edge would damage the printhead.
- The ability to print on non-PVC cards. Dye sublimation requires a porous 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 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 170 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-ready (firmware pending\*\*) 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

## Optional features

- Laminator—single-sided and dual-sided\*\*
- Lockable enclosure/card feeder
- Extended product warranty programs
- 1 GB Ethernet and 802.11b/g wireless connectivity\*\*

## 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
- Combined ISO 15693 HID® iClass® (13.56MHz) and ISO 7816 contact encoder\*\*
- Combined HID Prox reader (125 kHz) and contact encoder\*\*
- UHF Gen 2 RFID encoder\*\*

## ZMotif software

Microsoft Windows Certified Printer Drivers Supported: Windows XP\*, Windows Vista\*\*, Windows Server® 2003\*

\*32 bit and 64 bit compatible

### Driver features:

- Graphical card orientation setting to visualize card printing setup and configuration
- Card source selection
- 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:

- 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

## Supplies

- 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, cleaning rolls (2 per ribbon)
- Cleaning supplies

### True Colours ribbon

- YMCK 4 panel color with resin black: 625 images/roll
- YMCKK 5 panel color: 500 images/roll
- YMC 3 panel color: 825 images/roll\*\*
- YMCuVK 5 panel color: 500 images/roll\*\*
- Monochrome (black, gold, silver): 2500 images/roll\*\*

### True Colours transfer film

- Clear and holographic\*\*: 1250 images/roll

### True Secure laminate

- Linerless & waste-free 1.0 mil laminate: 625 images/roll
- Laminate types: clear full coverage, clear for magnetic stripe cards, clear for contact smart cards
- Custom laminates available with holographic images and UV images

\*\*Available in future release

## 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, Teslin® composite, and polycarbonate (30 mil to 40 mil)
- Specialty cards: transparent (IR-blocked) or translucent card 30 mil (clear and colored)
- Technology cards: contact and contactless smart cards, UHF cards

## Communications interfaces

- USB V2.0
- 10/100 Ethernet-ready

## Electrical

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

## Physical

### Printer

- Height (printer only): 11.9"/303 mm
- Height (w/card feeder): 13.2"/334 mm
- Width: 14"/356 mm
- Width (w/card feeder): 14.9"/379 mm
- Width (w/card feeder, w/laminator): 25.8"/656 mm
- Depth: 20.4"/519 mm
- Weight (printer only): 27.5 lbs/12.5 kg

## Environmental

- Operating Temperature: 59° F/15° C to 77° F/25° 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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Phone: (800) 860-9111  
Fax: (440) 306-9001  
e-mail: sales@identiphoto.com

**Identiphoto®**  
Specialists in Identification

1810 Joseph Lloyd Pkwy.  
Willoughby, OH 44094  
web: www.identiphoto.com