



# Zebra® ZXP Series 8™ Retransfer Card Printer



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## 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 patented 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 These Applications

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)

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# ZXP SERIES 8

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## Superior Performance

- Best-in-class throughput for printing, encoding and laminating—due in part to the patented dual-sided simultaneous transfer process by which your image is printed in landscape mode—increasing throughput and flatness 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.

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## 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, and WiFi optional for easy integration into local, networked, or wireless systems.

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

- Magnetic stripe encoder
- Smart card contact and contactless encoders

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## 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

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## 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 leading-edge software technology that enables high-performance printing and meets demanding enterprise needs for application integration and management.

ZMotif, Zebra’s 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 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

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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.

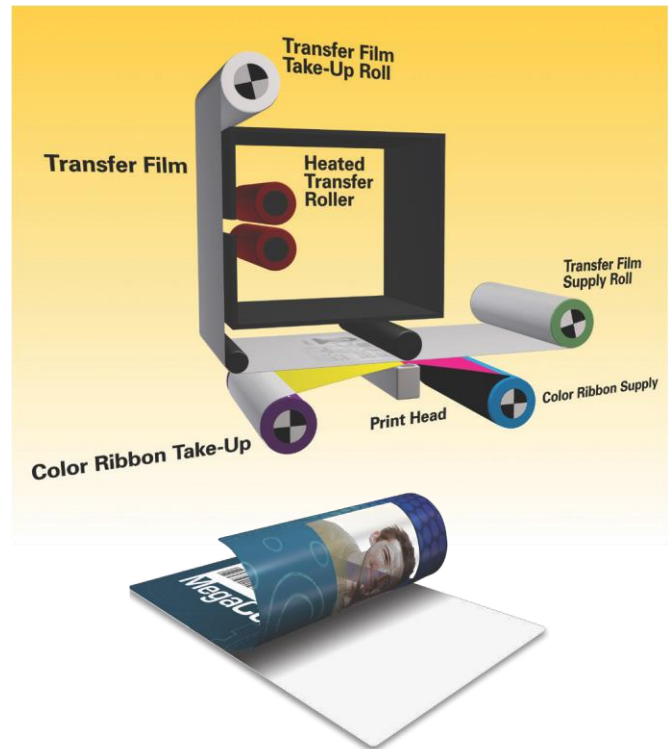
## **In General, Benefits of Retransfer Printing Include:**

- 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 patented 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\*

## Printer Name

ZXP Series 8

## 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)
- iSeries™ 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

- ISO 7816 Smart Card Contact Station for third-party external contact encoders
- Magnetic stripe encoder—AAMVA and ISO 7811 (new and pre-encoded; tracks 1, 2, and 3; high and low coercivity)
- JIS II (low coercivity)
- Combined MIFARE® ISO 14443 A & B (13.56 MHz) contactless, ISO 7816 Contact Encoder with EMV level 1 certification, PC/SC compliance (supported over USB and Ethernet)
- FeliCa contactless encoder
- Encoding over Ethernet—requires ZBR-PS300 Ethernet-to-USB Device Server

## 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

- ZMotif SDK support and sample code
- Microsoft Windows Certified Printer Drivers with toolbox utility features: Windows 8, Windows 2012, Windows 2008, Windows 7, Windows Vista® (all 32- and 64-bit compatible), Windows XP Windows Server® 2003 (both 32-bit compatible)
- CardStudio card design and issuance software
- Zebra Virtual PrintWare software support

## 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)
- Specially designed cleaning supplies simplify preventative maintenance

## 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/625 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, magnetic stripe, magnetic stripe with signature panel, smart card, and holographic wallpaper designs
- Custom laminate with registered or wallpaper holographic images available on request

## 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 2.0
- USB supports plug-and-play printer identification
- 10/100 Ethernet
- Encoding over Ethernet requires ZBR-PS-300 Ethernet-to-USB Device Server option
- 802.11 b/g wireless connectivity

## Electrical

- Auto-switching 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 Genuine Zebra supplies is recommended.

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