

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™ XM L-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.

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, and Wi-Fi optional for easy integration into local, networked, or wireless 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 ZX P 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 ZX P 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.

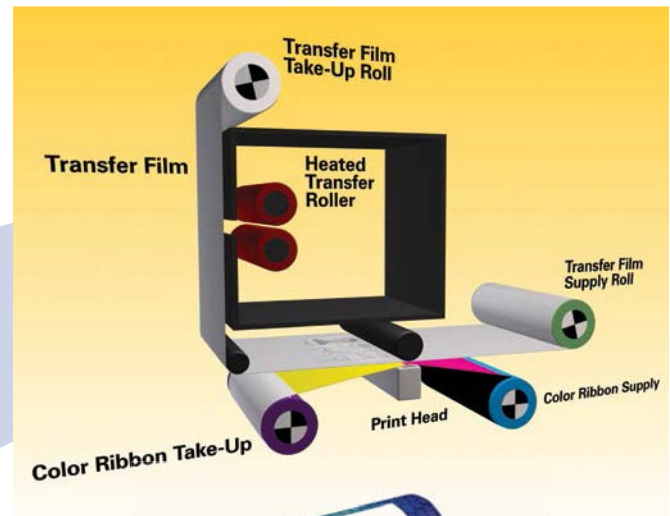
In General, Benefits of Retransfer Printing Include:

- 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.
- Durable and abrasion-resistant cards
- Fraud protection, since the film is inherently tamper-evident

Advantages of Zebra's Innovative Retransfer Card Printer

Zebra's ZX P 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*

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)
- 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
- Zebra Care™ 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-I** (high and low coercivity)
- Combined M IFARE™ ISO 14443 (13.56 MHz) and ISO 7816 contact encoder
- EMV level 1 certified
- UHF Gen 2 R FID 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 R FID tags to authenticate and automate color ribbons, transfer film and laminate
- Media Starter Kit—1 YM CK ribbon, 1 roll of transfer film, 200 PVC cards, 2 cleaning rollers (kit not sold separately)
- Cleaning supplies

True Colours i Series Ribbon

- YM CK 4 panel: 625 images/roll
- YM CKK 5 panel: 500 images/roll
- YM CUvK 5 panel: 500 images/roll
- YM CKI 5 panel: 500 images/roll
- YM CKK1 6 panel: 415 images/roll
- YM C 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 genuine Zebra™ supplies is recommended.



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*Specifications subject to change without notice.

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