

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.

▶ **For more information, visit www.zebracard.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 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.

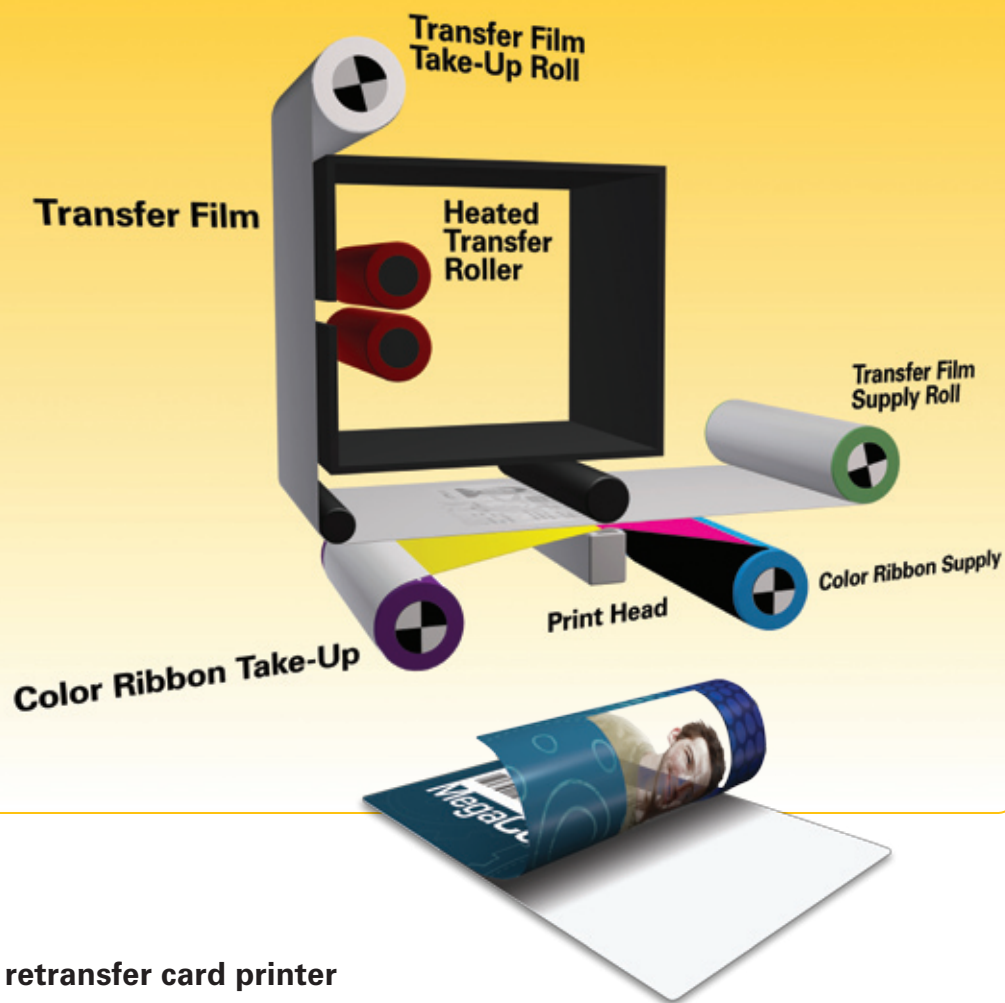
The new ZMotif toolbox application provides a complete management console for advanced printer and driver configuration and management. Features such as user role-based driver password protection, configuration save and restore capability, print logging, and a library suite of test cards, ensure that 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.

©2009 ZIH Corp. CardSense, i Series, True Secure and all product names and numbers are Zebra trademarks, and Zebra, the Zebra head graphic and True Colours are registered trademarks of ZIH Corp. All rights reserved. Kensington is a registered trademark of ACCO Brands Corporation. Microsoft, Windows, Windows Server, Windows Vista are either registered trademarks or trademarks of Microsoft Corporation. MIFARE is a registered trademark of Philips Semiconductors Grotkorn GMBH Ltd. Teslin is a registered trademark of PPG Industries. HID and iClass are registered trademarks of HID Global Corporation. All other trademarks are the property of their respective owners.



Corporate Headquarters
+1 800 423 0442
E-mail: inquiry4@zebra.com

Asia-Pacific Headquarters
+65 6858 0722
E-mail: apacchannelmarketing@zebra.com

EMEA Headquarters
+44 (0)1628 556000
E-mail: mseurope@zebra.com

Latin America Headquarters
+1 847 955 2283
E-mail: inquiry4@zebra.com

Locations

USA: California, Georgia, Illinois, Rhode Island, Texas, Wisconsin **Europe:** France, Germany, Italy, Netherlands, Poland, Spain, Sweden, United Kingdom
Asia Pacific: Australia, China, India, Japan, Singapore, South Korea **Latin America:** Argentina, Brazil, Florida (USA), Mexico **Africa/Middle East:** Russia, South Africa, United Arab Emirates