



### APPLICATIONS

#### Government

- U.S. Federal Government IDs
- Government IDs
- Government-issued IDs and Cards
- ID and Access Control

#### Education

- Student and Staff ID and Access Control

#### Retail & Hospitality

- ID and Access Control
- Personalized Gift, Membership and Loyalty Cards
- Smart Cards in Travel, Gaming and Entertainment

#### Transportation & Logistics

- ID and Access Control

#### Manufacturing

- ID and Access Control

#### Service Bureaus

- Employee, Student IDs

### SALES/REFERENCE MATERIALS

#### The Source:

[zebra.gosavo.com/](http://zebra.gosavo.com/)

#### ZXP Series 9 Product Home:

[www.zebra.com/ZXPSeries9](http://www.zebra.com/ZXPSeries9)

#### Global Services:

[www.zebra.com/us/en/services.html](http://www.zebra.com/us/en/services.html)

#### Learning Portal:

<http://learning.zebra.com>

#### Developer Tools:

[www.zebra.com/software](http://www.zebra.com/software)

For more information on the ZXP Series 9, please visit us on the web at:

[www.zebra.com](http://www.zebra.com)

## ZXP Series 9 Retransfer Card Printer

**FASTEST INDUSTRY THROUGHPUT.**  
**EXTREMELY LOW COST-PER-CARD OPERATION.\***

Building on the learnings, improvements and industry-leading features of the ZXP Series 8™, Zebra's new ZXP Series 9™ provides outstanding quality and dependability, fast throughput, more options and valuable cost and time savings. Delivering enhanced security and the fastest throughput in the industry, the ZXP Series 9 features Zebra's best-in-class simultaneous, dual-sided retransfer and laminate technology that enables users to encode, print and laminate cards on both sides in a single pass — without the need for mechanical card flipping. And, customers can access immediate information and support with Zebra's Print Touch™ and QR Code technology.

### FEATURES AND BENEFITS

#### Fastest Throughput in the Industry

Time is money. The more cards customers can print per hour using one printer, the more efficient their operations are. And, fewer mechanical failures mean less time wasted fixing printers. Boasting the fastest throughput in the industry, the ZXP Series 9 also features simultaneous, dual-sided retransfer printing so customers can print, encode and laminate cards on both sides in a single pass — eliminating the need to mechanically flip cards and reducing the potential for card jams.

#### Outstanding Print Quality

Our customers have an ever-increasing focus on security, flexibility and efficiency that requires them to produce durable, long-lasting cards with the highest photo-like image quality. The ZXP Series 9 provides exceptional print quality through Zebra's exclusive Color Predictive Technology based on patented image-processing algorithms, along with over-the-edge printing capabilities. Retransfer and laminate print technologies enable customers to create cards that are extremely durable and resistant to fading, scratching and tampering.

#### Flexible, Hassle-free Operation

Our customers are busy and can be pulled in multiple directions. Equipment oversight is the last thing on their list. And, engaging IT support to relocate a printer or fix printer settings takes time and extra effort. Not every print job is the same. Having added control to select between print optimization modes is ideal, but it must be easy for the user. The ZXP Series 9 features multiple connectivity options including standard USB and Ethernet, along with optional Wi-Fi® (US and EU only), to provide added flexibility and enable customers to relocate the printer anywhere within their network. The new user-selectable print quality modes give users more options and control.

#### Exceptional Cost Savings

Waste not, want not. Customer budgets are tight. Spending resources on additional printers, operator time and supplies is costly. Zebra's high-capacity supplies save operator time in changing supplies and positively impact the customer's bottom line. Zebra® offers customers an extremely low cost-per-card operation with our patented waste-free laminate and simultaneous dual-sided laminating technology. Our laminate features linerless media with a single core and no carrier — eliminating more than 50% of the waste compared to competitor laminates. And, it gives users a cost savings of more than 30% over the competition. Engineered to simultaneously laminate on both sides of the card, this design eliminates the need for mechanical card flipping and reduces the potential for mechanical errors, which can be costly.

#### “First Card Out” Improvements

“First card out” print quality improvements deliver consistent print quality on cards printed from a cold start, and reduce wasted cards and other supplies.

#### Instant Access to Printer Information and Support

There's no time for printer downtime. When a printer isn't working, it isn't just a major inconvenience — it also costs money and impedes operations. Getting a printer up and running quickly is critical. And, avoiding downtime is even better. Printer operators aren't trained to repair them. Customers need targeted solutions that are easy to understand, and step-by-step guides are extremely helpful. Our ZXP Series 9 features NFC Print Touch and QR Code technologies to provide customers with on-the-spot information and guidance. Users can have immediate access to printer information and troubleshooting tips through the dedicated mobile printer web support page and webpage launching features — including online help, how-to videos and printer information resources.

\* With Zebra's patented waste-free laminate technology.

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## BATTLECARD



### WHAT'S NEW

#### Zebra's Color Predictive Technology (CPT) Delivers Superior, Photo-like Image Quality

Based on patented image-processing algorithms, Zebra's CPT constantly monitors printing and instantaneously adapts printer settings to automatically produce the highest print quality. Invisible to the customer, this technology proactively determines needed adjustments based on individual print job requirements and makes adaptations in the moment to deliver outstanding results.

#### Zebra's Stock and Custom Laminates Help Enhance Security

Zebra offers both stock and custom laminate supplies to further enhance card security. Stock laminates feature overt and covert security features in designs that are unique to the market, and provide additional card durability. Customers with specific design requirements and exceptional security needs can order custom laminate supplies from Zebra. For additional information about custom laminate supplies, including minimum quantities and lead times, please contact a Zebra service representative and ask about our Custom Laminate Quote Request Form.

#### Remote Printer Monitoring

IT support isn't always available onsite. Keeping printer settings consistent requires time and a comprehensive view. Travel is expensive and takes time. Customers need remote access to view printer status and update printer settings. With Zebra's optional PrintMonitor software, they can do just that. Customers can view printer settings and status on their networked ZXP Series 9 printers. They can manage a large number of networked remote printers from anywhere in the world and easily make changes to one printer or a group of printers. And, they can record and track comprehensive printer history to gain additional insights, as well as identify and correct operational issues.

#### Enhanced Driver and Toolbox

Featuring a more intuitive certified Windows® driver and enhanced toolbox, the ZXP Series 9

delivers users added features and benefits along with a consolidated view of all aspects of the printer, options and settings. New user interface improvements make it easier to set up and configure all aspects of the ZXP Series 9 operations.

#### Added Security Features

All printed plastic cards containing personal information are subject to counterfeiting, alteration, duplication and tampering. In high-security applications like ID/Access Control, preventing forgeries and tampering is critical. Zebra's ZXP Series 9 enables customers to ensure security and prevent counterfeiting, alteration and duplication with printer-enabled security features such as encryption and printer host authentication, along with specialty holographic laminates.

## ZEBRA GLOBAL SERVICES

Service	Zebra OneCare™ Essential		Zebra OneCare™ Select**	
Entitlements	<p><b>Multi-year agreements that provide the basic assurance customers need to maximize uptime and ensure peak performance.</b></p> <ul style="list-style-type: none"> <li>Optional — Comprehensive coverage, including printheads, normal wear and accidental breakage</li> <li>8x5 Level 1 Tech/ Call Support</li> <li>Depot repair with 3-day in-house turnaround time</li> <li>Online access to OS system software, OS updates and upgrades*</li> <li>Online Return Material Authorization (RMA) support</li> <li>Optional — Device Commissioning (application loading and configuration management)</li> </ul> <p>Please refer to the Zebra OneCare Essential Service Description Document for further details</p> <p>* Upgrade applicable to Android OS only.</p>		<p><b>Includes all Zebra OneCare Essential coverage, plus:</b></p> <ul style="list-style-type: none"> <li>24x7 Level 1 Tech/ Call Support</li> <li>Comprehensive coverage, including printheads, normal wear and accidental breakage</li> <li>Spare pool management and Advance Replacement</li> <li>Device Commissioning (application loading and configuration management)</li> <li>Next business day shipment of replacement device</li> </ul> <p>Availability of Select service varies by country. Please refer to the Zebra OneCare Select Service Description Document for further details.</p> <p>** Currently only available in ANZ.</p>	
Term	3 years	5 years	3 years	5 years
Part Number	Essential: Z1AE-ZX9X-3C0	Essential: Z1AE-ZX9X-5C0	Select: Z1AS-ZX9X-3C0	Select: Z1AS-ZX9X-5C0

**Notes:**

- Must purchase up front with the hardware (pre-paid) or within 30 days thereafter.
- Services and service availability may vary by region — please contact your Zebra Sales Representative for details.
- Please refer to [The Source](#) for the most up-to-date information, including global pricing and additional available service options.

### OVERCOMING OBJECTIONS

#### The ZXP Series 8 had Quality Challenges. Is the ZXP Series 9 Dependable?

While the ZXP Series 8 printer had quality challenges, Zebra carefully reviewed and resolved customer issues through both firmware and hardware improvements. The ZXP Series 9 is a new printer. It has been engineered with careful attention and oversight to avoid the challenges of the ZXP Series 8, and to offer enhancements and additional features. The new ZXP Series 9 incorporates improvements to the transfer station, laminator, mag encoder and first-card-out process. Zebra has extensive quality control testing and production processes in place to ensure every product we produce is dependable. The new ZXP Series 9 features outstanding quality, new print options, advanced connectivity and proven dependability.

#### The ZXP Series 9 is only 300 dpi. Don't I need 600 dpi?

Print quality is measured by the eye; not dpi. Print quality is often thought to be dependent on resolution; however, resolution is only one aspect. When printing a color image via dye diffusion, dyes permeate, spread, and mix in the dye-receptive layer of the transfer film. The printer is not transferring discrete dots of ink, so 600 dpi is no better than 300 dpi. Resolution is most noticeable on monochrome text, especially small fonts printed using mass transfer media.

Print quality is one of the main reasons a customer selects a retransfer printer. The ZXP Series 8 with its Color Predictive Technology earned a reputation of printing some of the best retransfer card images in the industry. This serves as the foundation for the ZXP Series 9. The ZXP Series 9 offers user-selectable print modes. Customers looking for the best print quality – color or monochrome – should opt for Fine Print mode. The subtle adjustments made when printing in Fine Print mode enhance the effectiveness of the Color Predictive Technology, producing photo-like images that are as good as or better than competitive 600 dpi printers.

#### What encoding options does the ZXP Series 9 support?

The ZXP Series 9 offers encoding options including:

- 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)
- Combined MiFare ISO 14443 A & B (13.56 MHz) contactless, ISO 7816 Contact Encoder, PC/SC compliance (supported over USB and Ethernet)

Contact Zebra regarding third parties that have integrated other encoder modules.

### COMPETITIVE COMPARISON: AT-A-GLANCE FIGHT SHEET

In the following chart below, where appropriate, light blue shading indicates the best specification available for a specific feature. The ZXP Series 9 features exceptional, photo-quality printing; industry-leading throughput; extremely low cost-per-card operation; and hassle-free, flexible printing.

	ZXP Series 9	HID FARGO® HDP 5000™/ HDP 5600™	Matica® XID 8300™/ XID 8600™	Evolis® Avansia™	MagiCard® Helix™
<b>FEATURE</b>					
<b>PERFORMANCE</b>					
Resolution (dpi)	300 dpi	HDP 5000: 300 dpi; HDP 5600: 300 dpi/600 dpi (optional)	XID 8300: 300 dpi; XID 8600: 600 dpi	600 dpi	300 dpi
Color Depth	256 shades per pixel	256 shades per pixel	256 shades per pixel	256 shades per pixel	256 shades per pixel
Single-side Print Speed (YMCK)	190 Cards Per Hour (CPH)	124 CPH	120 CPH	144 CPH	125 CPH
Dual-side Mode	Simultaneous, dual-side transfer; no flipper	Flipper	Flipper	Flipper	Flipper
Memory	64MB	64MB		64MB	128MB
Ribbon Images/Roll (YMCK)	625 images	500 images	1,000 images	500 images	1,000 images

# ZXP Series 9 Retransfer Card Printer

## BATTLECARD



	ZXP Series 9	HID FARGO HDP 5000/ HDP 5600	Matica XID 8300/ XID 8600	Evolvis Avansia	MagiCard Helix
<b>FEATURE</b>					
Ribbon Images/ Roll (Transfer Film)	1,250 images	1,500 images	1,000 images	500 images	1,000 images
Input Hopper Capacity	150 cards	100 cards, Optional dual-input hoppers	200 cards	250 cards	200 cards
Output Hopper Capacity	100 cards	200 cards	100 cards	250 cards	200 cards
<b>FLEXIBILITY</b>					
Encoding Options	ISO 7816 Smart Card Contact Station for 3rd party external contact encoders; <b>Magnetic stripe</b> (ISO 7811, AAMVA, custom formats); <b>Contact</b> (ISO 7816); <b>Contactless</b> (MIFARE Ultralight, Classic, Plus, DESFire, ISO 14443 A/B)	<b>Magnetic stripe</b> (ISO 7811; <b>Contact</b> (ISO 7816 1/2/3/4 memory and microprocessor Smart Cards (T=0, T=1) and synchronous cards); <b>Contactless</b> (MIFARE Classic, Plus, DESFire EV1, HiID iCLASS Standard/SE/SR/Seos, ISO 14443 A/B, ISO 15693)	<b>Magnetic stripe</b> (requires "flip-over" module); <b>Contact and Contactless</b> (MIFARE, DESFire, HID, iClass, Legic)	<b>Magnetic stripe</b> (ISO 7811); Contact; Contactless	<b>Magnetic stripe</b> (ISO 7811, JIS2, custom formats); <b>Contact</b> (ISO 7816 & EVM); <b>Contactless</b> (MIFARE, DESFire, ProX, HID iClass, TagIT, Legic, UHF)
Card Thickness and Size	30 mil CR80	30 - 50 mil CR80	10 - 40 mil CR80	30 mil CR80	30 - 49 mil CR80
Compatibility with Card Composition Materials – e.g. PVC, PET, etc.	PVC, Composite PVC, PET, PETG, ABS, and Teslin composite	PVC, PET, PETG, PC, ABS	PVC, Composite PVC, PET, PC, ABS	PVC, Composite PVC, PET-F, PETG, PC, ABS	PVC, PET, PC, PVH, ABS
Ribbon Compatibility	YMC, YMCK, YMCKK, YMCKH, YMCKI, YMCUvK, YMCKKI, K	YMC, YMCK, YMCKK, YMCKH, YMCKI, YMCUvK, YMCKIKI, 1/2ycmK, 1/2ymcKK, K		YMCK, YMCKK, YMCKI, YMCKH, YMCUvK	YMCK, YMCKK, YMCKUv, K, YMCKS (HoloKote),
Retransfer Film	Standard (Clear)	Standard (Clear), Standard Holographic, Custom Holographic, High Durable		Standard (Clear), Holographic	Standard (Clear), Extra Durable
<b>SECURITY</b>					
Security Locking Options	Enclosure locks, Kensington lock	HDP 5000: Door and cartridge locks; HDP 5600: Physical locks for card hoppers and consumable access	Locking card hopper, Kensington lock, electronic security locks (driver-enabled) for front door and card hopper	RFID locking key, Kensington-type lock, centralized locking system to secure media	Kensington Lock (standard); secure film cassettes, secure blank media feeder, secure card reject hopper (options)
Software Security	Printer-host authentication, data encryption	Password protection	IPSec encrypted networking security	IPSec encrypted networking security	User log-on
Supplies Security	Security erase of black data on used supplies	HDP 5000: Door and cartridge locks HDP 5600: Physical locks for card hoppers and consumable access	Security erase of black data on used supplies		Ribbon erase facility (option)
<b>EASE OF USE</b>					
Operator Control Panel	21-character, 6 line LCD	LCD Control Panel	LCD Control Panel	2-line LCD	TFT LCD panel, Size: 4.3 inch, Resolution: 480 x 272, Full Color, Resistive Touchscreen

# ZXP Series 9 Retransfer Card Printer

## BATTLECARD



	ZXP Series 9	HID FARGO HDP 5000/ HDP 5600	Matica XID 8300/ XID 8600	Evolis Avansia	MagiCard Helix
<b>FEATURE</b>					
<b>Printer Footprint Dimensions (Dual-side Printer) (L x W x H)</b>	519 x 476 x 334 mm 20.4 x 18.75 x 13.2"	235 x 445 x 292 mm 9.25 x 17.5 x 11.5"	322 x 343 x 360 mm 12.7 x 13.5 x 14.2"	297 x 340 x 436 mm 11.7 x 13.4 x 17.2"	330 x 455 x 420 mm 13.0 x 17.9 x 16.5"
<b>Printer Weight (DS Printer)</b>	12.5 kg / 27.5 lbs.	10.0 kg / 22 lbs.	13.9 kg / 30.6 lbs.	20.0 kg / 44.1 lbs.	14.4 kg / 31.7 lb.
<b>Interface / Connectivity Access</b>	USB 2.0, 10/100 Ethernet, 802.11 b/g Wi-Fi (option)	USB 2.0, Ethernet with internal print server HDP 5600: Wi-Fi (option)	USB 2.0 and Ethernet	USB (1.0, 1.1, 2.0, 3.0); Ethernet TCP-IP10 BASE-T, 100 BASE-T	USB 2.0, 10 BASE-T/ 100 BASE-T, Ethernet, 802.11 b/g/n Wi-Fi (option)
<b>INTEGRATION</b>					
<b>OS Support</b>	Windows 7, 8, 10, Server 2008, and Server 2012 (32 and 64 bit) ZMotif and Java (Windows and Linux) SDKs	HDP 5000: Windows 8/ 7/ Vista (32 and 64 bit) / Server 2008 & 2003/ XP; Mac OS X v10.6 / v10.5; Linux HDP 5600: Windows 10/ 8/ 7/ Vista/ XP/ Server 2012/ Server 2012 R2/ Server 2008/ Server 2008 R2/ Server 2003 R2/ Server 2003 R1; Mac OS X v10.10/ v10.9v v10.8/ v10.7 / v10.6; Linux	Windows 7, 8, 10 (32 & 64 bit)	Windows 8, 7, Vista, XP SP3 (32 and 64 bit)	Windows XP, Vista, 7, 8.1, 10 (32 and 64 bit); Windows server 2003 RX SP2, 2008, 2012, 2016, GNU/Linux and Mac OS X
<b>Encoding Over Ethernet and USB</b>	Yes, from Windows only	iCLASS, MIFARE, Contact Smart Card	Yes		
<b>MAINTENANCE</b>					
<b>Warranty</b>	2 years	3 years	2 years	3 years	3 years
<b>Printhead Warranty</b>	Lifetime	Lifetime	Lifetime	Lifetime	Lifetime
<b>LAMINATION</b>					
<b>Simultaneous Dual-side Lamination</b>	Yes	Yes	Yes	No Lamination	TBD (due 2016) In-line double sided
<b>Dual-side Print &amp; Lamination Speed (YMCKOK)</b>	150 CPH	75 CPH	42 CPH		
<b>Lamination (Cards/Roll)</b>	1.0 mil (625 images)	0.25 mil (500 images) 0.6 mil (250 images) 1.0 mil (250 images)	0.5 mil (550 images) 1.0 mil (550 images)		
<b>Dual-side Printer &amp; Laminator Footprint Dimensions (L x W x H)</b>	519 x 781 x 334 mm 20.4 x 30.75 x 13.2"	235 x 762 x 324 mm 9.25 x 30.0 x 12.75"	325 x 551 x 373 mm 12.8 x 21.7 x 14.7"		
<b>Dual-side Printer &amp; Laminator Weight</b>	20 kg / 44 lbs.	16.4 kg / 36 lbs.	22.9 kg / 50.4 lbs.		

Note: The above chart is based on publicly available information.  
Zebra is not affiliated with HID FARGO, Matica, Evolis or MagiCard.



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