Zebra ZXP Series 7
Frequently Asked Questions

PRODUCT POSITIONING

What is the ZXP Series 7?

Utilizing the latest in Zebra card printing technology, the ZXP Series 7 provides high-volume, high-quality card printing. The printer delivers fast yet reliable performance while offering users exceptional value by lowering the printer's total cost of ownership. Time after time, it prints sharp vivid cards with precise color control.

The ZXP Series 7 has an innovative design. It automatically adjusts to the thickness of the card, and ribbon loading is easy. With color coded guides and a clear LCD control panel, it's simple for anyone to use.

The ZXP Series 7 supports numerous encoding and connectivity options and if extra security or durability is required for cards, efficient single or dual- sided lamination is also available. Optional printer locking mechanisms protect the printer and media from unauthorized use. Advanced Printer SDK and Driver features provide further security levels by tracking and restricting activities as required.

How is the ZXP Series 7 positioned in Zebra's Card printer portfolio?

The ZXP Series 7 is Zebra's highest performance printer for any direct-to-card printing application.

What Zebra products does the ZXP Series 7 replace?

The ZXP Series 7 is a replacement option for anyone using a P330i and 430i Performance class printer, or a P630i and P640i Security class printer.

What are the differences between the ZXP Series 7 and the P330i/P430i?

The ZXP Series 7 offers many advantages over P330i and P430i:
- Better operational efficiency due to high throughput
- Fewer media loadings per job as the printer holds more cards and ribbon
- Easier ribbon loading
- Lower cost per card
- Better image quality with photo-like color images
- Adaptable design enabling option upgrades, including the laminator
- Shared ZXP Series 8 ZMotif SDK for complete application control and easily integration.

What are the differences between the ZXP Series 7 and the P630i/P640i?

The ZXP Series 7 offers many advantages over P630i and P640i:
- Better operational efficiency due to high throughput
- Better color image quality, printing edge-to-edge photo-like color images
- Fewer media loadings per job as the printer holds more cards, ribbon, and laminate
- Ethernet is standard on all printers
- Easier ribbon loading
- Lower cost per card
- Adaptable design enabling option upgrades, including the laminator
- Shared ZXP Series 8 ZMotif SDK for complete application control and easily integration.

Can the ZXP Series 7 directly replace my previous Zebra card printer?

While the ZXP Series 7 can fit into the same applications as the P330i/430i and P630i/640i, the printer requires the use of new ribbon and laminate supplies. The ZXP Series 7 may require adjustments to customer applications as the printer interface language, ZMotif, while common with the ZXP S8, is different from these previous Zebra card printers.

When should I choose ZXP Series 7 instead of ZXP Series 3?

The ZXP Series 3 is affordable, compact, and easy to use. However, the ZXP Series 7 is more ideal for applications where higher operational efficiency and lower cost per card are important, or lamination is needed.

When should I choose ZXP Series 7 instead of ZXP Series 8?

The ZXP Series 8 retransfer card printer offers excellent image quality and is able to print an image in a slightly oversized form factor than that of the card surface resulting in a full "over-the-edge" effect. The ZXP Series 7 is able to print the same level of vibrant color images, but due to the limitations of direct-to-card printing technology printing must stop before the printhead crosses the edge of the card.

PRINTER FEATURES

Can the ZXP Series 7 print on both sides of the card?

Yes, the ZXP Series 7 dual-sided configuration will print on both sides of the card.

Does the ZXP Series 7 print edge-to-edge?

Yes, the ZXP Series 7 is able to print color images edge-to-edge, but not over the edge like the ZXP Series 8 retransfer printer.

What does "near-photographic" print quality really mean?

At unparalleled print speeds, the ZXP Series 7 printer achieves superior, near-photographic image quality that boasts rich, consistent colours and strikingly sharp resolution. The ZXP Series 7 utilizes Zebra's image-processing technology that compensates for image errors normally caused by high printing speeds—enabling photo-quality images and print resolution even at increased print speeds.

How does the ZXP Series 7 achieve its fast speed and high throughput?

The ZXP Series 7 printer is able to process up to three concurrent print jobs by encoding, printing, and laminating simultaneously. In addition, Zebra True Colors ix Series ribbons are specially formulated for high speed printing.

What card sizes are supported by the ZXP Series 7?

The ZXP Series 7 supports CR-80 size cards that range between 10 and 50 mil (+/- 10%). For lamination, 30 mil (+/- 10%) cards are recommended.

How many cards can the ZXP Series 7 hold?

The card capacity is as follows:
- Card feeder cartridge – 250 cards (30 mil)
- Output hopper – 100 cards (30 mil)
- Reject bin – 15 cards (30 mil)
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Does the ZXP Series 7 have manual card feeding capability?

Yes, the ZXP Series 7 includes a manual card feed slot to enable occasional printing of different card types without having to replace the cards inside the feeder cartridge.

Does the ZXP Series 7 have a separate card reject bin?

Yes, the ZXP Series 7 includes a separate reject bin where the printer routes any cards that fail encoding, so these cards do not get imaged or laminated. Upon recovery from an error condition, the printer also automatically routes failed cards to the reject bin.

What options are available for the printer?

Options for the ZXP Series 7 printer include:
- AAMVA and ISO HiCo/LoCo magnetic stripe encoder
- Combined MIFARE® ISO 14443 A & B (13.56MHz) contactless and ISO 7816 Contact Encoder with EMV level 1 certification, and PC/SC compliance
- ISO 7816 Smart Card Contact Station for third-party external contact encoders
- Single- and dual-sided laminator (available with dual-sided printers only)
- Lockable enclosures and card feeder cartridge

What security options and features are available for the ZXP-7?

The security of the printed card and the issuance process can be enhanced with several ZXP Series 7 options and features:

- Single- and dual sided laminator with optional security features such as holographic laminates
- Intelligent RFID encoded supplies prevent fraudulent use of custom security laminates
- Lockable enclosures and card feeder cartridge prevent unauthorized access to cards and media
- Kensington lock slot
- UV printing and the ability to print fine patterns
- Advanced security features in the Toolbox software application to enable both data encryption and printer host authentication

What options can be upgraded in the field?

The lockable enclosures and feeder cartridge are not field upgradable. All other options can be added by a trained technician.

Can the ZXP Series 7 perform smart card encoding over Ethernet?

Currently the ZXP Series 7 only supports smart card encoding over USB.

Can I print and encode stripe-up cards with a single-sided printer?

Yes, single-sided printers can print and encode on the same side of the card. The feature is enabled via the printer Windows driver properties.

What connectivity options are available for ZXP Series 7?

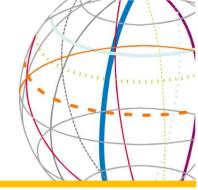The ZXP Series 7 comes standard with USB 2.0 and Ethernet 10/100 connectivity.

Is the ZXP Series 7 IPv6 compliant?

The ZXP Series 7 does not currently have IPv6 network support, but this will be available in future releases of the Ethernet driver and printer firmware.

How much memory does the ZXP Series 7 have?

The ZXP Series 7 has 64 MB of memory. The printer memory size is optimized for the printer processing speed and data transmission speeds. This enables the ZXP Series 7 to maximize throughput and process up to three concurrent print jobs by encoding, printing, and laminating simultaneously.

Is the ZXP Series 7 Energy Star compliant?

Yes, the ZXP Series 7 with and without a lamination option meets Energy Star compliance requirements.

What information is available via the Operator Control Panel (OCP)?

The ZXP Series 7 includes a 21-character by 6-line LCD operator display with configurable soft keys. The display provides information regarding printer status, model number and configuration, serial number, firmware version, network information, ribbon and laminate information, odometer values, access to clean printer, print test cards and much more.

LAMINATOR FEATURES

Can the ZXP Series 7 laminate single or dual-sided?

The ZXP Series 7 has both a single- and a dual-sided laminator option. The single-sided laminator can only laminate the front side of the card. The dual-sided laminator can be used to only laminate the front or back side of the card. The laminator also includes a pass-through mode to select no lamination at all. This option is primarily for testing purposes and not recommended for long term usage.

What exactly is meant by 'wasteless laminates' and what are its benefits?

The ZXP Series 7 utilizes Zebra's patented wasteless laminate design, which reduces waste by eliminating the need for carrier material, backings and liners. The wasteless laminate design allows the ZXP Series 7 to offer more laminate per roll and to minimize the cost per card.

Can the laminator be upgraded in the field?

Yes, the laminator option can be added by a trained technician.

Are the top and bottom laminate cartridges interchangeable?

No, components in the cartridges are specifically designed for the upper or lower position. The correct cartridge for the upper or lower position is identified by verbiage on the cartridge.

Can I use my P630i/P640i laminate with this printer?

No, the laminates for the ZXP Series 7 are uniquely designed for this printer. The ZXP Series 7 utilizes intelligent supplies with RFID technology to authenticate and calibrate each laminate type for optimum use with the ZXP Series 7.

Can I use my ZXP Series 8 laminate with this printer?

Yes, the ZXP Series 8 laminates can be used with the ZXP Series 7. However, the laminate roll size is not designed to match the ZXP Series 7 ribbons and the adhesive properties may differ.

Can I change the lamination temperature?

It is possible to change the laminator heater temperatures. However, it is highly recommended that you engage Zebra's engineering services to qualify the cards as overheating a card can result in warped cards which may damage the printer.

ZXP SERIES 7 SUPPLIES

What are the benefits of True Colours ix Series ribbons?

The ZXP Series 7 printer is designed to work with Zebra True Colours® ix Series ribbons. These high performance ribbons feature an improved formulation for printing high-quality images at higher speeds by providing more efficient dye transfer and greater durability under high-speed printing conditions. The ribbons are color coded for ease of use and utilize intelligent media technology, which automatically detects the ribbon and calibrates the printer.

What ribbon sizes are available with the ZXP Series 7?

Many ZXP Series 7 ribbon types are available in two sizes to meet the needs of every printing task. Following is a list of specially designed ribbons for the ZXP Series 7 printer:

- YMCK 4-panel: 750 images / roll
- YMCKO 5-panel: 250 or 750 images / roll
- YMCKK 5-panel: 750 images / roll
- YMCUvK 5-panel: 750 images / roll
- YMCKOK 6-panel: 250 or 750 images / roll
- Black monochrome: 2500 or 5000 images / roll
- White monochrome: 2500 images / roll
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What card types are compatible with the ZXP Series 7?

Compatible cards include: CR-80 size cards with a thickness between 10 and 50 mil (+/- 10%); PVC and composite, ABS cards, PET, PET-G, PET-F, PETix and Teslin composite, contact and contactless smart cards. All card materials do not have the same imaging characteristics; engage Zebra's technical services to make adjustments for your specific card type.

What are the advantages of using Zebra cards?

Premium quality Zebra cards are qualified for use with the ZXP Series 7 printer to ensure consistent high quality imaging optimum printer performance.

What are the benefits of Zebra True Secure laminates?

Zebra True Secure laminates reduce the risk of counterfeiting and extend the life of high-security cards. Available in clear film, stock and custom holographic designs, customers can design their product with security features that fit their needs. The laminates utilize intelligent media technology, which automatically detects and authenticates the laminate and calibrates the printer.

What laminate types are available with the ZXP Series 7?

All ZXP Series 7 laminates can produce 750 cards per roll to match the size of the printer ribbon and minimize interruptions for loading supplies. Following is a list of laminate types designed for the ZXP Series 7 printer:

- Top, Clear 1 mil
- Bottom, Clear, 1 mil
- Magnetic Stripe
- Magnetic Stripe with signature panel
- Smart Card
- Holographic wallpaper
- Custom registered or wallpaper holographic images

MAINTENANCE

How often should I clean the printer?

Regular cleaning will keep your ZXP Series 7 printer in optimum condition.

- Cleaning requirements vary according to the environment. For a typical office environment, the recommended cleaning cycle is 5,000 cards for the feeder and print path.
- Two adhesive cleaning rollers are provided with each set of ribbons. These cleaning rollers should be changed each time a new ribbon is installed. Additional cleaning rollers are available for the manual feed option. The replacement interval of this cleaning roller depends on the use frequency of manual card feed option.

What additional cleaning is required for the laminator?

- The laminator card path and rollers should be cleaned concurrently with the printer. Cleaning requirements vary according to the environment. For a typical office environment, the recommended cleaning cycle is every 5,000 cards.
- A laminator adhesive cleaning card should be used to clean the laminator oven (heater rollers) every 20,000 cards.

What is the warranty for this printer?

The ZXP Series 7 comes with a 2-year warranty on the printer and the printhead.

SOFTWARE

Is software included with the ZXP Series 7 printer?

The ZXP Series 7 printer includes Windows Certified printer drivers and the ZXP Toolbox, a separate Windows application that allows for easy access to all printer configuration and maintenance functions. The ZMotif Software Development Kit (SDK) and developer tools are available on line at www.zebra.com for easy application integration and printer management.

What are the supported operating systems?

The ZXP Series 7 drivers are compatible with Microsoft Windows 7, Vista, Server 2008 (all 32- and 64-bit compatible), and with Windows XP and Server 2003 (both 32-bit compatible).

What logical security features are available in the ZXP Series 7?

The ZXP Series 7 Toolbox enables advanced security features including:

- User role based security and access privileges
- Print job logging
- Host to printer encryption for increased data security
- Ability to restrict the printer to one or more specific host drivers for added security

What drivers do the contact and contactless encoders use?

The ZXP Series 7 contact and contactless encoders use USB PC/SC compliant drivers. The PC/SC drivers are included with the ZXP Series 7 printer driver.

Is the ZXP Series 7 compatible with CardStudio?

Yes, the ZXP Series 7 is compatible with CardStudio Classic, Standard, and Professional. Version 1.2 includes a direct-to-print (D2P) driver for ZXP Series 7. A full-feature free trial version of CardStudio can be downloaded at www.zebra.com on the Software products page.

Is the ZXP Series 7 compatible with Zebra Virtual PrintWare?

Yes, the ZXP Series 7 is compatible with the software offerings in the Virtual PrintWare suite, including ZVP PrintManager and ZVP PrintMonitor.

How can I get a copy of the SDK documentation and development tools?

These are available for download on our website www.zebra.com on the Software products or Support & Download page under Developer Tools. SDK Technical support is available via email at: card_sdk_questions@zebra.com.

Will my ZXP Series 8 application be compatible with ZXP Series 7?

Any ZXP Series 8 application is probably compatible with ZXP Series 7 without significant adjustments. The ZXP Series 7 and 8 printers are both based on ZMotif printer interface language and share the same SDK.

What kind of service and support is available for SDK development tools?

Zebra offers technical support for application developers using the Zebra card printers SDK. The part number and price are referenced in the service programs section of the Zebra card printer price list.