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ZXP Series 8™ Retransfer Card Printer Specifications

Specifications are provided for reference and are based on printer tests using Zebra brand consumables. Results may vary in actual application settings or when using other than recommended Zebra supplies. Zebra recommends always qualifying any application with thorough testing.

Standard Features

- Reverse dye-sublimation printing on intermediate media (retransfer film)
- Patent pending simultaneous 2-sided transfer process
- 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 and print resolution
- Over-the-edge printing on standard CR-80 media
- USB and Ethernet-ready connectivity
- Microsoft Windows Certified drivers
- 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
- 2-year unlimited warranty on printer, lifetime warranty on printhead
- Lockable card feeder

Print Speed Specifications

Print speeds (cards per hour) based on click to drop, average print coverage, with USB connectivity. Times may vary depending on the computer configuration.

Media Type	Single-sided	Dual-Sided
YMC and Transfer film	190	N/A
YMCK and Transfer film	160	170
YMCKK and Transfer film	N/A	150

Communications Interfaces

- USB V2.0 / 1.1 protocol
- USB supports plug-n-play printer identification
- USB and internal 10/100 Ethernet-ready (firmware pending)

Optional Features

- Extended product warranty programs
- Lockable enclosure

Supplies Specifications

NOTE: The ZXP Series 8 printer is designed to work only with Zebra True Colours® i Series™ ribbons, Zebra True Colours™ i Series transfer film.

- i Series intelligent technology uses RFID tags to authenticate and automate color ribbons and transfer film
- Media Starter Kit – 1 YMCK ribbon, 1 roll of transfer film, 200 PVC cards, cleaning rolls (2 per ribbon)
- Cleaning supplies

True Colours Ribbon

- Full-color YMCK: 625 images/roll
- Full-color YMCKK: 500 images/roll

True Colours Transfer Film

- Clear (0.016 mm thick w/ dye receptive retransfer coating): 1250 images/roll

ZMotif Software

Microsoft Windows Certified Printer Drivers

Supported: XP®, Vista®, Server 2003
(32-bit and 64-bit compatible)

Driver Features:

- Graphical card orientation setting to visualize card printing setup and configuration
- Auto sensing of manual card source and card type eliminates unnecessary setup and configuration
- Complete graphical control over area and element selection of black extraction parameters ensures true black and color printing exactly where you want it on the card
- Auto sensing of ribbon type: smart card encoding options
- Card source selection
- Card type selection

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

Card Printing Compatibility

NOTE: For optimum print quality and printer performance, use of Zebra genuine supplies is recommended.

- Card Thickness: 30 – 40 mil (+/- 3mils)
- Card Size: CR-80,ISO 7810 format, Type ID-1
- Card Material: PVC and composite, ABS cards, PET, PET-G, Teslin® composite, and polycarbonate
- Specialty Cards: transparent (IR-blocked) or translucent, 30 mil (clear and colored)
- Technology Cards: contact and contactless smart cards, UHF RFID cards

Physical Specifications

Printer	
Height (printer only)	11.9" (303 mm)
Height (with card feeder)	13.2" (334 mm)
Width	14" (356 mm)
Width (w/ card feeder)	14.9" (379 mm)
Depth	20.4" (519 mm)
Weight (printer only)	27.5 lbs (12.5 kg)

Encoding Options

- Magnetic stripe encoder – ISO 7811 (new and re-encoded, tracks 1,2, and 3, high and low coercivity, stripe down, 30 - 40 mil card thickness)
- ISO 7816 Smart card contact station
- Combined MIFARE® ISO 14443 (13.56 MHz) and ISO 7816 Contact Encoder Specifications

MIFARE and Contact Combo Encoder Specifications

USB	<ul style="list-style-type: none"> • Full speed USB 2.0 (12 Mbps) • USB Bus powered device • CCID compliant
Contact	<ul style="list-style-type: none"> • T=0, T=1 protocol support • Communication speed up to 344,105 bps (PPS, Fi parameter) • Frequency up to 12 MHz (PPS, Di parameter) • Support of ISO 7816 Class A and AB smart card • 8 contacts - ISO location
Contactless	<ul style="list-style-type: none"> • Support of ISO 14443 A and B (13.56 MHz) smart cards • ISO 14443 Part 1 to 4 compliant • Operating distance: 1cm • Communication speed: up to 848 Kbit/s
Software	<ul style="list-style-type: none"> • PC/SC
Compatible Cards	<p>Axalto® MultOS®, Palmera®, Payflex®, Cyberflex Access®, Cryptoflex®, Cryptoflex.NET® and EasyFlow MIFARE® (M8K and M32K) Gemplus® GemTwin®, GemCombi Xpresso Lite®, GemClub Memo®, GemSafe Xpresso®, GemXplore Xpresso® NXP® SmartMX®, MIFARE® Classic, MIFARE Ultralight®, MIFARE® DESFire8®, MIFARE® PROX 8-bit Dual Interface and SmartXA (2nd Generation Feature) Siemens® SLE4442, SLE4428 ACS® ACOS1-8K</p>

Electrical Specifications

- Auto-switching single-phase AC power
- 100V- 240V AC and 50-80 Hz

Environmental Specifications

- Printer
 - 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
 - Packed: Temperature < 25° C, relative humidity 50% +/- 15%, for up to one year of storage in a dark place
 - Un-packed: < 25° C, relative humidity 50% +/- 15% for up to one year of storage in a dark place
 - High temperature: 50° C for up to 48 hours
 - High temperature and humidity: 30° C at 80% relative humidity for up to 96 hours

Preventative Maintenance

- Zebra recommends cleaning the printer on a regular basis using standard Zebra printer parts and cleaning supplies. Consult the User's Guide for further details.

Agency Approvals

- Complies with following applicable directives and standards for the ITE: Residential, Commercial & Light Industry environments
- Applicable Directives and Supporting Standards:
 - 2004/108/EC EMC Directive, EN55022:2006 Class A, EN55024:1998+AD1:2001+AD2:2003
 - EN61000-3-2:2006, EN61000-3-3:1995+AD1:2001
 - 2006/95/EC LVD Directive, EN60950-1:2001, CB Scheme
- WLAN Enabled
 - Applicable Directives and Supporting Standards:
 - 99/5/EC R&TTE Directive, EN 301 489-17 V1.2.1 (2002-08), EN 300 328 V1.7.1 (2006-10)
- RFID Enabled
 - Applicable Directives and Supporting Standards:
 - 99/5/EC R&TTE Directive, EN 301 489-3 V1.4.1 (2002-08), EN 300 220-2 V2.1.2 (2007-06)