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ZXP SERIES 8™ RETRANSFER CARD PRINTER SPECIFICATIONS

Specifications are provided for reference and are based on printer tests using Genuine Zebra™ supplies. 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
- Patented image transfer process
- Full-color or monochrome retransfer printing
- Single- and dual-sided printing
- Max print speed single-sided 190 cph
- Max print speed dual-sided 180 cph
- Photo-quality image and print resolution
- Over-the-edge printing on standard CR-80 media
- USB and Ethernet connectivity
- Microsoft® Windows® certified printer 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 limited warranty on printer, lifetime warranty on printhead
- Kensington® physical lock capable

Printing Throughput

Printing throughput (cards per hour) based on batch printing, 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	180
YMCKK and Transfer film	N/A	150

Communications Interfaces

- USB 2.0
- USB supports plug-and-play printer identification
- 10/100 Ethernet
- Encoding over Ethernet requires ZBR PS-300 Ethernet-to-USB Device Server option
- 802.11 b/g wireless connectivity

Encoding Options

- 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)
- JIS II (low coercivity)
- Combined MIFARE® ISO 14443 A & B (13.56MHz) contactless, ISO 7816 Contact Encoder with EMV level 1 certification, PC/SC compliance (supported over USB and Ethernet)
- FeliCa contactless encoder
- Encoding over Ethernet **–** requires ZBR-PS300 Ethernet-to-USB Device Server

Optional Features

- Laminator **–** single-sided and dual-sided
- Lockable enclosure/card feeder
- ZebraCare™ warranty programs
- 802.11b/g wireless connectivity
- Card input hopper (150 cards, 30 mil)

Card Printing Compatibility

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

- Card Thickness: 30-40 mil (+/- 3 mils)
- Card Size: CR-80, ISO 7810 format, Type ID-1
- Card Material: PVC and composite, ABS cards, PET, PET-G and Teslin® composite
- Technology Cards: contact and contactless smart cards

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, and Zebra True Secure™ i Series laminates.

- Zebra 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, 2 cleaning rolls (media starter kit not sold separately)

True Colours Ribbon

- YMCK 4-panel: 625 images/roll
- YMCKK 5-panel: 500 images/roll
- YMCUvK 5-panel: 500 images/roll
- YMCKI 5-panel: 500 images/roll
- YMCKKI 6-panel: 415 images/roll
- YMC 3-panel: 800 images/roll
- Black monochrome: 2500 images/roll

True Colours Transfer Film

- Clear (0.016 mm thick w/ dye receptive retransfer coating): 1250 images/roll single-sided; 625 images/roll dual-sided

True Secure Laminates

- 1 mil laminate, top, full clear, 625 images/roll
- 1 mil laminate, bottom, full clear, 625 images/roll
- 1 mil laminate, magnetic stripe, 625 images/roll
- 1 mil laminate, smart card, 625 images/roll
- 1 mil laminate, top, holographic wallpaper "safe" design, 625 images/roll
- 1 mil laminate, top, holographic wallpaper "eagle" design, 625 images/roll
- 1 mil laminate, top, holographic wallpaper "lock card" design, 625 images/roll

- 1 mil laminate, top, holographic wallpaper "safe 2" design, 625 images/roll
- 1 mil laminate, top and bottom, holographic random/wallpaper/repeating pattern, 625 images/roll (custom order only)
- 1 mil laminate, top and bottom, holographic registered image, 625 images/roll (custom order only)

Cleaning Supplies

- Cleaning card kit: includes 12 X & Y roller cleaning cards 5000 prints/card and 3 hot roller cleaning cards 20,000 prints/card
- Laminator cleaning kit: includes 12 cleaning cards and 12 adhesive cleaning cards 5000 prints/card

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.

ZMotif Software Platform

- ZMotif SDK support and sample code
- Microsoft Windows certified printer drivers with toolbox utility features: Windows 8, Windows 2012, Windows 2008, Windows 7, Windows Vista® (all 32-and 64-bit compatible), Windows XP, Windows Server® 2003 (both 32-bit compatible)
- CardStudio™ card design and issuance software
- Zebra Virtual PrintWare software support

Driver Features

- Graphical card-orientation setting to visualize card-printing setup and configuration
- Auto sensing of manual card source and card type reduces setup and configuration time
- 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

- Downloadable SDK and sample code for custom applications
- XML-based SDK enables third parties to quickly add advanced print and encoding features
- 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

Physical Specifications

Printer	
Height (printer only)	11.9" (303 mm)
Height (with card hoppers)	13.2" (334 mm)
Width (printer only)	14" (356 mm)
Width (w/card hoppers)	18.75" (476 mm)
Width (w/hoppers, laminator)	30.75" (781 mm)
Depth	20.4" (519 mm)
Weight (printer only)	27.5 lbs (12.5 kg)
Weight (printer w/laminator)	44.0 lbs (20.0 kg)

Laminator Specifications

- Single- or dual-sided lamination option (with dual-sided printer only and factory installed only)
- 180 cards/hour dual-sided printing and dual-sided lamination
- GSA FIPS 201-1 Approved (dual-sided lamination)
- Uses Zebra True Secure i Series laminates only
- Laminates for top and bottom sold separately
- Custom-coded laminates available

Laminator & Print Throughput

Dual-sided Printing	Single- or Dual-sided Lamination
YMCK and Transfer film	180 cph
YMCKK and Transfer film	150 cph

MIFARE and Contact Combo Encoder Specifications

USB	- Full speed USB 2.0 (12 Mbps) - USB Bus powered device - CCID compliant
Contact	- 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	- 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	- PC/SC
Compatible Cards	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

Electrical Specifications

- Auto-switching single-phase AC power
- 100V~240V AC and 50-60 Hz

Environmental Specifications

- Printer
  - Operating Temperature: 59º F/15º C to 95º F/35º C
  - Storage Temperature: 23º F/-5º C to 131º F/55º C
  - Operating Humidity: 20% to 80% inclusive, noncondensing
  - Storage Humidity: 10% to 90% inclusive, noncondensing
  - Shipping Temperature: -40º F/-40ºC to 140º F/60ºC
  - Shipping Humidity: 10% to 90% inclusive, noncondensing
- Media
  - Packed: Temperature < 25º C, relative humidity 50% +/- 15%, for up to one year of storage in a dark place
  - Unpacked: < 25º C, relative humidity 50% +/- 15% for up to one year of storage in a dark place
  - High Temperature: 50º C for up to 48 hours
  - High Temperature and Humidity: 30º C at 80% relative humidity for up to 96 hours

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)