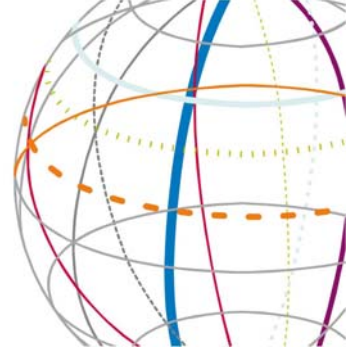**ZEBRA** TECHNOLOGIES

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ZXP Series 7™ Card Printer
Technical 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
• 300 dpi (11.8 dots/mm) print resolution
• Image size 1006 x 640 pixels
• USB 2.0 and Ethernet 10/100 connectivity
• 200 card capacity feeder (30 mil)
• 15 card reject hopper (30 mil)
• 100 card output hopper (30 mil)
• Manual feed capability
• 21-character x 6-line LCD with configurable soft keys
• Kensington® physical lock slot

Optional features
• FIPS 201 compliant single-sided and dual-sided laminator
• Lockable enclosures and card feeder

Encoding options and specifications
• Magnetic stripe encoder – AAMVA and ISO 7811 (new and pre-encoded, tracks 1, 2, and 3, high and low coercivity)
• ISO 7816 Smart Card Contact Station for third party external contact encoders
• Combined MIFARE® ISO 14443 A & B (13.56 MHz) contactless and ISO 7816 Contact Encoder with EMV level 1 certification, and PC/SC compliance

Software
• ZMotif™ SDK support and sample code for application integration in various languages and development environments.
• Microsoft Windows Certified printer drivers with Toolbox utility features: Windows 7, Vista, and Server 2008 (all 32 and 64 bit compatible); and Windows XP and Server 2003 (both 32 bit compatible)
• CardStudio™ card design and issuance software with D2P support (optional)
• Virtual PrintWare™ (optional)

Printing and laminating specifications
• Color dye sublimation or monochrome thermal transfer printing
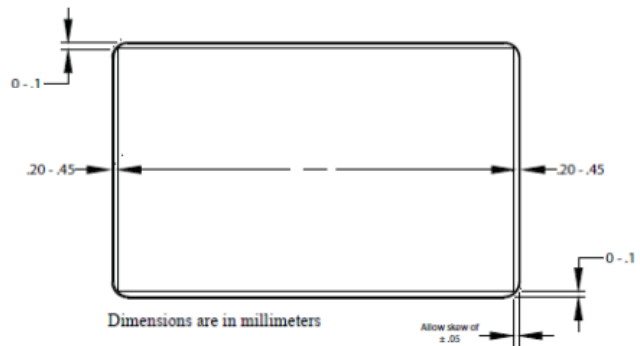• Single-sided and dual-sided printing

• Printing throughput:

			Click to Drop (s)		Throughput (cards/hr)	
Ribbon	Front	Back	Printing	Printing & Laminating	Printing	Printing & Laminating
YMCKO	YMCKO	N/A	18	N/A	300	N/A
YMCKOK	YMCKO	K	21	N/A	225	N/A
Mono	K	N/A	5	22	1375	265
Mono	K	K	10	26	555	260
YMCK	YMCK	N/A	N/A	28	N/A	270
YMCKK	YMCK	K	N/A	35	N/A	200

• Printing and magnetic stripe encoding throughput:

			Click to Drop (s)		Throughput (cards/hr)	
Ribbon	Front	Back	Printing	Printing & Laminating	Printing	Printing & Laminating
YMCKO	YMCKO	N/A	20	N/A	295	N/A
YMCKOK	YMCKO	K	24	N/A	225	N/A
Mono	K	N/A	8	20	650	265
Mono	K	K	13	26	435	260
YMCK	YMCK	N/A	N/A	32	N/A	270
YMCKK	YMCK	K	N/A	38	N/A	195

NOTE: Printing throughput (cards per hour) based on batch printing with USB connectivity. Times may vary depending on the computer configuration.

• Near photographic print quality
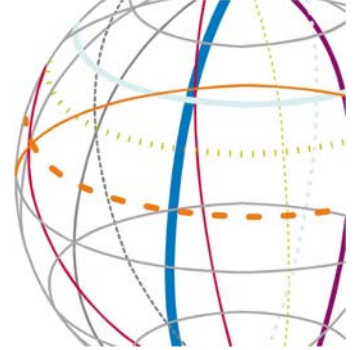• Edge-to-edge printing on standard CR-80 media

Dimensions are in millimeters

• Image placement specification:

• Simultaneous printing, encoding, and laminating capability
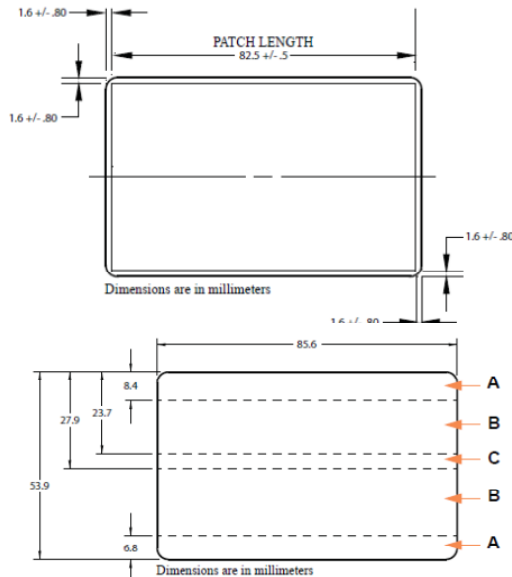• One-pass single-sided and dual-sided wasteless lamination

Laminate placement specification:

PATCH LENGTH
82.5 +/- .5

1.6 +/- .80
1.6 +/- .80
1.6 +/- .80
1.6 +/- .80

Dimensions are in millimeters

85.6
8.4
23.7
27.9
53.9
6.8

A
B
C
B
A

Dimensions are in millimeters

Supplies specifications
• Zebra's intelligent technology RFID tags authenticate and automate ix Series™ ribbons and Zebra True Secure™ i Series laminates to assure the best quality possible
• Card cleaning rollers are included with each ribbon carton
• Specially designed cleaning supplies simplify preventative maintenance
• Cleaning Kit: 12 print path and 12 feeder cleaning cards, 60,000 images
• Laminator Cleaning Kit: 12 laminator card path cleaning cards, 12 cleaning swabs for media rollers, and 3 laminator oven adhesive cleaning cards: 60,000 images
• True Colours® ix Series™ ribbons:
  • YMCKO: 250 or 750 images/roll
  • YMCKOK: 250 or 750 images/roll
  • YMCK: 750 images/roll
  • YMCKK: 750 images/roll
  • YMCUvK: 750 images/roll
  • Black monochrome: 2500 or 5000 images/roll
  • White monochrome: 2500 images/roll
• True Secure™ i Series laminates:
  • Linerless waste-free 1.0 mil top and bottom laminate: 750 images/roll
  • Laminate types: clear, magnetic stripe, magnetic stripe with signature panel, smart card, and holographic wallpaper designs
  • Custom laminates with registered or wallpaper holographic images available

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

Card specifications/compatibility
Card Thickness: 10 – 50 mil (0.25 – 1.27mm)
• Card Thickness for lamination: 30 mil (0.76 mm) only
• Card Size: CR-80, ISO 7810 format, Type ID-1
• Card Material: PVC and composite, PET, PET-G, PET-F, and Teslin® composite
• Technology Cards: contact and contactless smart cards
• Specialty cards: adhesive backed, transparent (IR-blocked), signature panel, and select key-tag types
  Area A: Translucent window allowable only if IR Blocker is used. Key-tag holes allowed only if hole is perforated and not punched through.
  Area B: Translucent window is always allowable.
  Area C: If Magnetic stripe is present, IR Blocker is required.

Communications interfaces
• USB V2.0 supports plug-n-play printer identification
• 10/100 Ethernet is standard

Electrical specifications
• Auto-switching single-phase AC power
• 90V~264V AC and 47–63Hz (50-60Hz nominal)
• FCC Class A
• Energy Star compliant
• Power Consumption
  • Idle 100 W
  • Initializing / Warm-up (no Laminator) 120 W
  • Initializing / Warm-up (with Laminator) 450 W
  • Printing (no Laminator) 120 W
  • Printing and Laminating 250 W
  • Sleep 20 W

Physical characteristics
• Height: 306mm (12.0in)
• Width (printer only): 699mm (27.5in)
• Width (printer with laminator): 964mm (38.0in)
• Depth: 277mm (10.9in)
• Weight (printer only): 12.2 kg (26.9 lbs)
• Weight (printer with laminator): 17.9 kg (39.5 lbs)

Environmental
• Operating Temperature: 59º F/15ºC to 95º F/35ºC
• Storage Temperature: 23º F/-5ºC to 158º F/70ºC
• Operating Humidity: 20% to 80% inclusive, non-condensing
• Storage Humidity: 10% to 90% inclusive, non-condensing
• Media should not be above 140º F/60º C for longer than 200 hours, and above 90% relative humidity at 104º F/40º C for longer than 100 hours