

# P310



## P SERIES CARD PRINTERS



### Fast, Full-Color, High-Quality Plastic Card Printing Has Never Been More Affordable

The P310 is ideal for applications requiring production of full-color plastic cards. Printing single-sided, personalized plastic cards has never been simpler, faster, or easier. Use P310 Card Printers to print:

- Loyalty and membership cards
- Employee and visitor badges
- Student ID and access control cards

You can issue personalized cards on the spot, because the P310 prints sharp, readable bar codes, ID photos, graphics and text, edge-to-edge, in seconds. Its space-saving, small footprint design is the perfect choice for desktop and countertop applications.

The P310 is truly user-friendly. Its easy-to-load, low maintenance design makes it simple for anyone to operate. Green, yellow and red LED indicators provide easy-to-understand printer status. Printer ribbon synchronization is automatic, eliminating the need for operator intervention. An easy to change, self-cleaning cartridge thoroughly removes dust before printing minimizing missing dots and color registration problems.

Eltron card printers, from Zebra Technologies, provide precise card printing, economical, reliable, easy-to-use operation, plus the broadest product line of printers, options, accessories and supplies in the industry.

Eltron Plastic Card Printers are designed and manufactured to exacting ISO 9001:2000 standards for the utmost in quality and dependability, and sold through a worldwide network of over 100 authorized resellers.

Color and Monochrome printing

Print speed: 144 cards/hour throughput  
Color (YMCKO)

Resolution: 300 dpi (12 dots/mm)

Print method: Dye sublimation  
Thermal transfer

# P310 Specifications

## General Specifications

- High speed printing, 144 cards/hour, edge to edge, in full color (YMCKO) throughput
- 2 MB image memory standard
- Small footprint
- Windows Drivers for 95/98, NT, 2000, ME
- One year printer warranty
- One year (unlimited passes) printhead warranty<sup>1</sup>
- Powerful EPCL (Eltron Printer Command Language)

## Color Printing

- Color dye sublimation or monochrome thermal transfer printing
- 144 cards/hour (25 seconds per card), edge to edge, in full color (YMCKO)
- 300 dpi (11.8 dots/mm) print resolution
- Edge to edge printing standard

## Bar Codes

- Code 39
- Code 128 B & C with & without check digit
- 2 of 5 & 2 of 5 Industrial
- UPC-A
- EAN 8 & EAN 13
- PDF-417 2D bar code and other symbologies available via Windows driver

## Fonts

- Resident: Arial Normal 100, Arial Bold 100
- True Type fonts available via Windows driver

## Card Specifications <sup>1</sup>

- Types: PVC, Composite PVC
- Card width/length: ISO CR-80 - ISO 7810, 2.125" (54mm) X 3.385" (86mm)
- Option: Magnetic Stripe - ISO 7811
- Option: Smart Card - ISO 7816-2
- Card thickness: 10 mil (.25mm) to 60 mil (1.524mm)
- Card Cartridge capacity: up to 210 cards (10 mil), up to 75 cards (30 mil)
- Card Output Hopper capacity: up to 210 cards (10 mil), up to 75 cards (30mil)

Note 1: For optimum performance, use Zebra/Eltron approved media

Note 2: Dimensions without Card Cartridge and Card Output Hopper

## Ribbon Specifications <sup>1</sup>

- Monochrome: 1500 and 1000 cards/roll
- Monochrome colors: black, red, blue, green, silver, gold, white, scratch-off gray
- K Resin + O: 500 cards/roll
- K Dye + O: 500 cards/roll
- YMCKO: 200 and 350 cards/roll



## Overlay Varnish Specifications <sup>1</sup>

- Thermal transfer
- Clear and holographic options available:
  - Clear
  - Genuine/Secure hologram
  - Pcard hologram
  - Custom holograms (various types available)

## Communications Interface

- Parallel standard (parallel cable included)
- RS232C serial optional
- USB option



## Mechanical <sup>2</sup>

- Width: 12.4" (315mm)
- Depth: 7.75" (198mm)
- Height: 8.7" (220mm)
- Weight: 13.4 lbs (6.1kg)

## Electrical

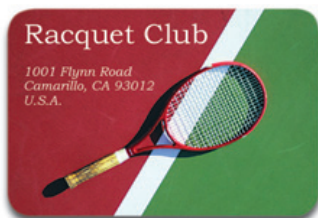
- 110 ~ 230 Volts AC, 50 / 60 Hz
- FCC Class A, CE, UL and CUL approved

## Environmental

- Operating temperature: 60°F to 86°F (15°C to 30°C)
- Operating humidity: 20% to 65% non condensing
- Storage temperature: -23°F to 158°F (-5°C to 70°C)
- Storage humidity: 20% to 70% non-condensing
- Ventilation: Free air

## Options

- RS232C serial port (EPCL recommended for fast throughput)
- USB port
- Smart card contact station (30 mil cards only)
- Magnetic encoder (30 mil card only)
- Extended warranty program
- Hot swap warranty program
- Cleaning supplies
- Service manual



Club Membership



Student ID



Event Pass



Employee Badge



Zebra Technologies International, LLC



© 2002 ZIH Corp.  
All Rights Reserved. Specifications subject to change without notice. All Copyrights, Trade and Service Marks shown or depicted herein are registered by their owners. No infringement is made for or implied by the use thereof.

## Headquarters

**Zebra Technologies Corporation**  
1001 Flynn Road  
Camarillo, CA 93012-8706  
U. S. A.  
Telephone: +1 805 579 1800  
Fax: +1 805 579 1808  
Toll free in US: 800 452 4056  
e-mail: cards@eltron.com

## Europe

**Zebra Technologies Corporation**  
Zebra House  
The Valley Centre, Gordon Road  
High Wycombe  
Buckinghamshire HP13 6EQ, UK  
Telephone: +44 (0) 870 241 1527  
Fax: +44 (0) 870 241 0765  
e-mail: eurosales@eltron.com

## Asia Pacific

**Zebra Technologies Corporation**  
1 Sims Lane #06-11  
387355 Singapore  
Telephone: +65 6842 0322  
Fax: +65 6842 0514  
e-mail: asiasales@eltron.com