

# Zebra's UHF Gen 2 RFID Card

Unprecedented Read Range of up to 50 Feet



Maximize safety, security and convenience for customers, guests and employees—and heighten efficiency in your people identification and management applications—with Zebra's next-generation ultrahigh-frequency (UHF) radio frequency identification (RFID) card. It's the world's first passive RFID card to provide a read range of up to 50 feet.

## New Possibilities

Because it can be read from afar even through badge holders, handbags, pockets and backpacks, you can use the RFID card to streamline and ease congestion in your identification, access control and transaction processes. Plus, keep track of people to increase personal safety and facility security, capture guest/visitor data, and enhance the customer experience by enabling guests to instantly share information with their social media contacts.

### Ideal applications include:

- Long-range identification
- Access control
- Customer loyalty
- Event management
- Social media experience
- Club and resort membership
- Asset tracking

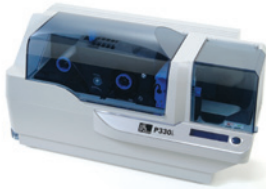


## Improved Technology

Containing Zebra's patent-pending antenna design and Impinj's state-of-the-art Monza® 4QT chip, Zebra's passive RFID card provides advanced sensitivity for enhanced read rates and range. It offers full read/write capabilities, and you can use it worldwide with any EPC UHF operational band (860-960 MHz). Unique and sophisticated security features include:

- 48-bit unique ID feature that protects against card cloning and provides a card authentication method to uniquely identify every card.
- Memory configuration to protect privacy and hide sensitive information, while maintaining a high level of readability.
- Read range reduction feature, protecting users from unauthorized tracking by temporarily reducing the read range of the card to less than one foot.

## Print and Encode Zebra's UHF Gen 2 Cards with These Zebra® Card Printers



The **P330i™** single-sided card printer produces reliable and high-performance printing and encoding.



The **P430i™** delivers reliability, performance and expandability in a dual-sided card printer and encoder.

### Card Features

- ISO/IEC-7810-2002 compliant
- Zebra's patent-pending inlay antenna design
- Passive operation (no battery required)
- Ultrahigh-frequency technology
- Multi-application card available with and without magnetic stripe

### Physical Card Construction

- Body: 60% white PVC & 40% clear PET
- Overlay: 100% clear-PVC
- Nominal Height: 2.125"/53.98 mm
- Nominal Width: 3.370"/85.60 mm
- Nominal Thickness: 30 mil ± 3 mil
- Over-laminates: Receptor for dye-diffusion thermal transfer printing

### RFID Specifications

- Protocol: EPCglobal® Gen 2 and ISO18000-6C
- Chip: Impinj Monza 4QT
- Worldwide operation in the UHF RFID frequency bands (860-960MHz)
- Typical read range of up to 50 feet\*\*
- 128 bits of EPC memory
- 512 bits of USER memory
- 96 bits of read-only TID memory

## Secrets to Exceptional Performance

- RFID cards contain an antenna that receives and transmits the RFID signal. Zebra's patent-pending inlay antenna design, which is optimized for UHF card applications, gives the card greater read range and reliability than other RFID cards. Plus, the bowtie antenna shape enables badges to be worn horizontally or vertically without damaging the inlay with the lanyard hole punch.
- An RFID card's integrated circuit stores and processes information. Zebra's UHF card contains Impinj's state-of-the-art Monza® 4QT RFID chip, which provides advanced sensitivity for enhanced read rates, increased security and reliability in demanding ID applications. The combination of the antenna and the Monza 4QT chip enables the unprecedented read range of 50 feet or more.



\*Specifications subject to change without notice.

\*\*Read range may vary depending on environment and application.

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www.zebra.com

### Corporate Headquarters

+1 800 423 0442  
Email: inquiry4@zebra.com

### Asia-Pacific Headquarters

+65 6858 0722  
Email: apacchannelmarketing@zebra.com

### EMEA Headquarters

+44 (0)1628 556000  
Email: mseurope@zebra.com

### Latin America Headquarters

+1 847 955 2283  
Email: inquiry4@zebra.com

### Other Locations

**USA:** California, Georgia, Illinois, Rhode Island, Texas, Wisconsin **Europe:** France, Germany, Italy, the Netherlands, Poland, Spain, Sweden, Turkey, United Kingdom **Asia Pacific:** Australia, China, Hong Kong, India, Japan, Malaysia, South Korea, Singapore, Thailand **Latin America:** Brazil, Florida (LA Headquarters in USA), Mexico **Africa/Middle East:** Dubai, South Africa

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