



## Impinj® Monza® 5 RFID Card

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| SKU:          | RS-MON5-CR80                                                                                          |
| Chip Type:    | Impinj® Monza® 5                                                                                      |
| Frequency:    | UHF 860-960 MHz                                                                                       |
| Protocol:     | ISO/IEC 18000-63, EPCglobal Gen2v2                                                                    |
| User Memory:  | 512 bits                                                                                              |
| EPC Memory:   | Up to 128 bits                                                                                        |
| TID Memory:   | 48 bits                                                                                               |
| Industry:     | Access Control, Events, Transportation                                                                |
| Applications: | Public Transportation, Event Ticketing,<br>Access Control, Loyalty System,<br>E-Government & Identity |

The Impinj® Monza® 5 UHF RFID Card provides high-performance, long-range identification for modern inventory and asset management. Fully compliant with EPCglobal Gen2v2 and ISO/IEC 18000-63 standards, it operates in the 860-960 MHz frequency range and offers up to 128 bits of EPC memory and a 48-bit TID for reliable item serialization. With options for blank or customized printing and a choice of dimensions, this card is ideal for applications ranging from apparel and cosmetics to documents and jewelry, delivering precise tracking and traceability in demanding environments.

Built with advanced Monza® 5 technology, this UHF RFID card ensures fast read/write performance and robust anti-collision capabilities, making it suitable for bulk scanning and automated systems. Its versatile design supports secure identification and serialization, enabling businesses to streamline inventory, reduce losses, and enhance operational efficiency. Combining high-speed communication, standardized compatibility, and flexible customization options, the Monza® 5 card offers a reliable solution for retail, logistics, and industrial applications.

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|-----------------------|---------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| Physical Information  | Material                                    | Black Core PVC, White Core PVC, White Core PET (WEEE Directive✓), White Core ABS (WEEE Directive✓), Wooden (WEEE Directive✓) |
|                       | Card Size                                   | 86×54×0.88 mm (3.4"×2.2")                                                                                                    |
|                       | Operating Environment                       | -20°C~+50°C, 20%~80% RH                                                                                                      |
|                       | Storage Environment                         | +18°C~+28°C, 20%~90% RH                                                                                                      |
|                       | Surface Treatment                           | Glossy, Matte or Frosted                                                                                                     |
|                       | Personalized Printing (NA For Wooden Cards) | Thermal Transfer/Dye Sublimation                                                                                             |
|                       | Customization Options (NA For Wooden Cards) | Pre-Printing, Barcode Printing, Embossing, Holograms, Signature Panels, UV Printing, Hot Stamping, Punch Holes               |
|                       | Care Tips                                   | 1. Avoid excessive bending<br>2. Keep away from water<br>3. Store in cool and dry place                                      |
|                       | Cleaning Tips                               | 1. Use a soft, dry cloth<br>2. Avoid harsh chemicals or abrasive cleaners<br>3. Remove stains immediately                    |
| Technical Information | Operating Frequency                         | 860~960 MHz                                                                                                                  |
|                       | Communication Protocol                      | ISO/IEC 18000-63, EPCglobal Gen2v2                                                                                           |
|                       | Chip Type                                   | Impinj® Monza® 5                                                                                                             |
|                       | EPC Memory                                  | Up to 128 bits                                                                                                               |
|                       | TID Memory                                  | 48 years                                                                                                                     |
|                       | Encoding Rates                              | 3000 tags/minute                                                                                                             |
|                       | Write Endurance                             | 100,000 times                                                                                                                |
|                       | Data Retention                              | 50 years                                                                                                                     |
|                       | Security Feature                            | 64 bit Password                                                                                                              |
| Packaging Information | Packing Format                              | Single pieces, piece by piece                                                                                                |
|                       | Packing Quantity                            | 200 pcs/case, G.W. : 1.3 kg                                                                                                  |
|                       | Packing Method                              | 1000 pcs or 2000 pcs/carton                                                                                                  |
|                       | Carton Dimension                            | 1000 pcs: 23×20×17 cm (G.W.: 7 KG);<br>2000 pcs: 48×23×14 cm (G.W.: 13 KG).                                                  |

● **Performance and Illustrations:** Graphs and visuals are for reference only; actual product performance may vary depending on usage and environment.
 ● **Storage and Handling Guidelines:** Follow standard ESD-safe storage and handling procedures to maintain product integrity and avoid damage.
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