



## NXP® UCODE® DNA UHF RFID Card

---



|               |                                                                         |
|---------------|-------------------------------------------------------------------------|
| SKU:          | RS-UDNA-CR80                                                            |
| Chip Type:    | NXP® UCODE® DNA                                                         |
| Frequency:    | UHF 860-960 MHz                                                         |
| Protocol:     | ISO/IEC 29167-10, EPCglobal Gen2v2                                      |
| EPC Memory:   | 224 bits                                                                |
| User Memory:  | Up to 3 kbit                                                            |
| TID Memory:   | 96 bits                                                                 |
| Industry:     | Logistics, Healthcare                                                   |
| Applications: | Asset Tracking, Supply Chain Management,<br>Inventory, Brand Protection |

The NXP® UCODE® DNA UHF RFID Card is a high-performance RFID solution designed for secure asset tagging and long-range identification applications. Fully compliant with ISO/IEC 29167-10, EPCglobal Gen2v2 standards, the UHF RFID Card ensures both security and efficiency in access control environment.

The NXP® UCODE® DNA UHF RFID Card is available as a blank or custom-printed card in various dimensions.

|                      |                                             |                                                                                                                           |
|----------------------|---------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| Physical Information | Material                                    | Black core PVC, White core PVC, White core PET(WEEE Directive✓), White core ABS(WEEE Directive✓), Wooden(WEEE Directive✓) |
|                      | Card Size                                   | 85.6×54×0.88 mm                                                                                                           |
|                      | Operating Environment                       | -20°C~+50°C, 20%~80% RH                                                                                                   |
|                      | Storage Environment                         | +18°C~+28°C, 40%~60% 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 29167-10, EPCglobal Gen2v2                  |
|                       | Chip Type              | NXP® UCODE® DNA                                     |
|                       | Operating Mode         | Passive                                             |
|                       | TID Memory             | 96 bits                                             |
|                       | User Memory            | Up to 3 kbit                                        |
|                       | EPC Memory             | 224 bits                                            |
|                       | Security Features      | Access password: 32 bits,<br>Kill password: 32 bits |

|                       |                  |                                                                             |
|-----------------------|------------------|-----------------------------------------------------------------------------|
| 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. 
 ● **Product Updates and Revisions:** rfidbridge.com may change products, specs, or services at any time without prior notice. 
 ● **General Use Disclaimer:** Products are for general-purpose use and not intended for safety-critical or life-support applications. 
 ● **Legal Notice:** Information is believed accurate but may change rfidbridge.com is not liable for use-related issues or outcomes.