

RICHRFID

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THINGS





## Printable and Flexible UHF On-metal Label

Based on thin material, the On-metal labels are flexible and printable. They have very good performance both on metal surface and liquid container based on advanced and special design, perfect choice for flat and cambered metal assets management, such as metal shelf, container, accessories, electronics, IT assets, cosmetics, wine, etc. Just like normal roll RFID label, it could be printed and encoded by RFID printer simultaneously, so very easy to make customization for data and visualization, such as logo, barcode.

| Model                     | Dimensions    | Chip Type              | Read Range<br>(2W ERP FCC) | Read Range<br>(2W ERP ETSI) |
|---------------------------|---------------|------------------------|----------------------------|-----------------------------|
| RCO7006                   | 95x22x1.25mm  | Impinj Monza R6 Series | 10m, on metal              | 8m, on metal                |
|                           |               |                        | 12m, off metal             | 7m, off metal               |
| RCO7007                   | 65x35x1.25mm  | Impinj Monza R6 Series | 7.5m, on metal             | 5m, on metal                |
|                           |               |                        | 3m, off metal              | 1.8m, off metal             |
| RCO7008                   | 55x15x1.25mm  | Impinj Monza R6 Series | 5.5m, on metal             | 3.5m, on metal              |
|                           |               |                        | 2.8m, off metal            | 2.0m, off metal             |
| RCO7009                   | 30x15x1.25mm  | Impinj Monza R6 Series | 0.9m, on metal             | 0.8m, on metal              |
| RCO7010                   | 103x54x1.25mm | Impinj Monza 4 Series  | /                          | 11m, on metal               |
|                           |               |                        |                            | 10.5m, in air               |
| RCO7011                   | 60x25x1mm     | Impinj Monza R6 Series | 5m, on metal               | 5m, on metal                |
|                           |               |                        | 2m, off metal              | 2m, off metal               |
| RCO7012                   | 70x30x1mm     | Impinj Monza R6 Series | 8m, on metal               | 6m, on metal                |
|                           |               |                        | 4m, off metal              | 3m, off metal               |
| RCO7013                   | 80x40x1mm     | Impinj Monza R6 Series | 7.6m, on metal             | /                           |
|                           |               |                        | 4m, off metal              |                             |
| RCO7013-1                 | 80x20x1mm     | Impinj Monza R6 Series | 7.4m, on metal             | 7.6m, on metal              |
| RCO7015<br>( Tamperproof) | 60X25X1mm     | Impinj Monza R6 Series | 6.3m, on metal             | 5.0m, on metal              |
| RCO7017                   | 100x40x1mm    | Impinj Monza R6 Series | 8m, on metal               | /                           |
|                           |               |                        | 4m, off metal              | /                           |
| RCO7017-1                 | 100x25x1mm    | Impinj Monza R6 Series | 8.5m, on metal             | /                           |
| RCO7018                   | 64x6x1mm      | NXP Ucode Series       | 4.0m, on metal             | 3.5m, on metal              |
|                           |               |                        | 4.5m, on liquid            | 6.5m, on liquid             |
| RCO7019                   | 70x50x1mm     | Impinj Monza R6 Series | 8m, on metal               | /                           |
| RCO7019-2                 | 70x40x1mm     | Impinj Monza 4 Series  |                            |                             |
| RCO7019-1                 | 72x38x1mm     | Impinj Monza R6 Series |                            |                             |
| RCO7019-3                 | 75x50x1mm     | Impinj Monza R6 Series |                            |                             |

| Model                     | Dimensions     | Chip Type              | Read Range<br>(2W ERP FCC)    | Read Range<br>(2W ERP ETSI)     |
|---------------------------|----------------|------------------------|-------------------------------|---------------------------------|
| RCO7020                   | 70x40x1mm      | Impinj Monza 4 Series  | 6m,on metal                   | /                               |
|                           | 70x30x1mm      | Impinj Monza 4 Series  |                               |                                 |
| RCO7021                   | 65x35x1.25mm   | Impinj Monza 4 Series  | 8m,on metal                   | /                               |
| RCO7022                   | 80x50x1mm      | Impinj Monza R6 Series | 7m,on metal                   | /                               |
| RCO7023                   | 92x30x1mm      | Impinj Monza R6 Series | 10m,on metal                  | /                               |
|                           |                |                        | 4m,off metal                  |                                 |
| RCO7024                   | 50x22.5x1.25mm | Impinj Monza R6 Series | /                             | 5.5m,on metal                   |
| RCO7025                   | 100x13x1mm     | Impinj Monza R6 Series | 6. 0m,on metal                | 6.5m,on metal                   |
| RCO7026                   | 48x4x1mm       | NXP Ucode Series       | /                             | 2.0m,on metal<br>5.0m,on liquid |
| RCO7028                   | 60x40x1mm      | Alien Higgs 9          | 9m,on metal                   | /                               |
| RCO7028-R                 | 60x40x1.25mm   | Impinj Monza R6 Series | 11.4m,on metal                |                                 |
| RCO7030                   | 70x30x0.6mm    | Impinj Monza R6 Series | 6.5m,on metal                 | 6.0m,on metal                   |
| RCO7035                   | 60x25x1mm      | NXP Ucode Series       | 9.5m,on metal                 | 10.5m,on metal<br>5.5m,in air   |
|                           |                |                        | 4.5m,in air                   |                                 |
| RCO7037                   | 86x54x1.25mm   | Impinj Monza R6 Series | 19m,on metal                  | /                               |
|                           |                |                        | 14m,in air                    |                                 |
| RCO7040                   | 70x30x1mm      | Aline Higgs 9          | 10.5m,on metal                | /                               |
|                           |                |                        | 5.5m,on plastic borad         |                                 |
| RCO7041                   | 103x52x1mm     | Impinj Monza R6 Series | 7m,on metal                   | 5m,on metal                     |
|                           |                |                        | 3m,off metal                  | 2m,in air                       |
| RCO7042                   | 66x44x1.25mm   | Impinj Monza R6 Series | 15m,on metal                  | /                               |
| RCO7046<br>( Tamperproof) | 90x40x1mm      | NXP Ucode Series       | 13m,on metal                  | /                               |
|                           |                |                        | 6.0m,in air                   |                                 |
| RCO7047                   | 65x40x1.25mm   | NXP Ucode Series       | 13.0m,on metal<br>6.0m,in air | /                               |
| RCO7048                   | 65x35x1.25mm   | NXP Ucode Series       | 15m,on metal                  | 13m,on metal                    |
|                           |                |                        | 8.0m,in air                   | 6m,in air                       |
| RCO7049<br>(Double Fold)  | 60x25x1mm      | NXP Ucode Series       | 9.5m,on metal                 | /                               |
| RCO7050                   | 95x22x1.25mm   | NXP Ucode Series       | 16m,on metal                  | 14m,on metal                    |
| RCO7052                   | 45x6x1mm       | NXP Ucode 8            | 3.8m,on metal                 | /                               |
|                           |                |                        | 3.2m, on liquid               |                                 |
| RCO7053                   | 45x8x1mm       | NXP Ucode 9xe          | 5.4m, on metal                | /                               |
|                           |                |                        | 3.6m, on liquid               |                                 |
| RCO7054                   | 30x15x1.25mm   | NXP Ucode Series       | 2.7m,on metal                 | 1.8m,on metal                   |
| RCO7055                   | 70x30x1mm      | NXP Ucode Series       | 12m,on metal                  | /                               |
|                           |                |                        | 5.8m,in air                   |                                 |

| Model                    | Dimensions   | Chip Type        | Read Range<br>(2W ERP FCC) | Read Range<br>(2W ERP ETSI) |
|--------------------------|--------------|------------------|----------------------------|-----------------------------|
| RCO7056                  | 100x13x1mm   | NXP Ucode Series | 9.5m,on metal              | /                           |
|                          |              |                  | 9.5m,in air                |                             |
| RCO7057                  | 80x40x1mm    | NXP Ucode Series | 11m,on metal               | 11m,on metal                |
|                          |              |                  | 6.0m,in air                | 6.0m,in air                 |
| RCO7058                  | 100x40x1mm   | NXP Ucode Series | 14m,on metal               | 12m, on metal               |
|                          |              |                  | 13m,in air                 | 8.5m, in air                |
| RCO7059                  | 55x15x1.25mm | NXP Ucode Series | 7.4m,on metal              | /                           |
|                          |              |                  | 3.5m,in air                |                             |
| RCO7060<br>(Double Fold) | 65x35x1mm    | Impinj Monza 730 | 10.5 m, on metal           | /                           |
| RCO7061                  | 30x6x1mm     | NXP Ucode Series | 2.5m, on metal             | 1.8m, onmetal               |
| RCO7062<br>(Tamperproof) | 75x25x1mm    | Alien Higgs 9    | /                          | 7.5m,on metal               |
| RCO7063                  | 103x52x1mm   | NXP Ucode 9xm    | 16.5m, on metal            | /                           |
|                          |              |                  | 14.5m, in air              |                             |
| RCO7064                  | 100x40x1mm   | NXP Ucode 9xm    | 17.5m, on metal            | 11.5m, on metal             |
|                          |              |                  | 13.5m, in air              |                             |
| RCO7065<br>(Double Fold) | 70x30x1mm    | NXP Ucode Series | 12.5m, on metal            | /                           |
| RCO7067<br>(Tamperproof) | 60x25x1mm    | NXP Ucode Series | 5.2m, on metal             | 4.4m, on metal              |
| RCO7069<br>(super thin)  | 70x30x0.4mm  | Impinj Monza 830 | 4.5m,on metal              | 4.0m,on metal               |
| RCO7070                  | 20x10x1mm    | NXP Ucode Series | 1.5m, on metal             | /                           |



# UHF Laundry Tag

UHF laundry tag, based on flexible antenna and woven, special for linen laundry management. The tag can withstand more than 200 industrial washing cycles, with thin thickness, long reading distance, pressure and high temperature resistance. The laundry tag has a unique global identification code, by sewing/hot pressing a tag on each piece of linen. In the entire use of linen, users can do batch reading and check the linen pretty quickly by RFID reader, automatically record the use of linen, washing times.



PS: Models without suffix represent installation via sewing, with -P via heat press and with -H via hanging



- Model: Hydro LA421
- Dimension: 70 x 15 mm
- Read Range (Fixed Reader) : US: > 14.0 m; EU: > 14.0 m
- Read Range (Handheld Reader): US: > 13.5 m; EU: > 9.5 m



- Model: Hydro LA421-P
- Dimension: 70 x 15 mm
- Read Range (Fixed Reader) : US: > 14.0 m; EU: > 11.5 m
- Read Range (Handheld Reader): US: > 11.5 m; EU: > 9.3 m



- Model: Hydro LA421-H
- Dimension: 70 x 15 mm
- Read Range (Fixed Reader) : US: > 11.0 m; EU: > 12.3 m
- Read Range (Handheld Reader): US: > 10.6 m; EU: > 9.0 m



- Model: Hydro LA422
- Dimension: 86 x 16 mm
- Read Range (Fixed Reader) : > 12.0 m
- Read Range (Handheld Reader): > 15.0 m



- Model: Hydro LA422-P
- Dimension: 86 x 16 mm
- Read Range (Fixed Reader) : US: > 15.0 m; EU: > 13.5 m
- Read Range (Handheld Reader): US: > 12.5 m; EU: > 11.0 m



- Model: Hydro LA422-H
- Dimension: 86 x 16 mm
- Read Range (Fixed Reader) : US: > 12.5 m; EU: > 14.5 m
- Read Range (Handheld Reader): US: > 10.8 m; EU: > 9.0 m



- Model: Hydro LA423
- Dimension: 70 x 10 mm
- Read Range (Fixed Reader) : > 7.5 m
- Read Range (Handheld Reader): > 10.0 m



- Model: Hydro LA423-P
- Dimension: 70 x 10 mm

- Read Range(Fixed Reader) : > 7.0 m
- Read Range(Handheld Reader): > 10.0 m



- Model: Hydro LA424
- Dimension: 60 x 20 mm

- Read Range(Fixed Reader) : > 9.0 m
- Read Range(Handheld Reader): > 10.0 m



- Model: Hydro LA424-P
- Dimension: 60 x 20 mm

- Read Range(Fixed Reader) : US: > 9.5 m; EU: > 10.5 m
- Read Range(Handheld Reader): US: > 10.0 m; EU: > 10.0 m



- Model: Hydro LA424-H
- Dimension: 60 x 20 mm

- Read Range(Fixed Reader) : US: > 10.5 m; EU: > 11.0 m
- Read Range(Handheld Reader): US: > 10.4 m; EU: > 8.7 m



- Model: Hydro LA425
- Dimension: 58 x 15 mm

- Read Range(Fixed Reader) : US: > 6.5 m; EU: > 11.0 m
- Read Range(Handheld Reader): US: > 10.0 m; EU: > 10.0 m



- Model: Hydro LA425-P
- Dimension: 58 x 15 mm

- Read Range(Fixed Reader) : US: > 7.5 m; EU: > 10.5 m
- Read Range(Handheld Reader): US: > 10.0 m; EU: > 10.0 m



- Model: Hydro LA425-H
- Dimension: 58 x 15 mm

- Read Range(Fixed Reader) : US: > 6.0 m; EU: > 10.3 m
- Read Range(Handheld Reader): US: > 9.0 m; EU: > 9.6 m



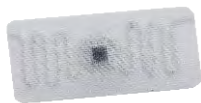
- Model: Hydro LA426
- Dimension: 50 x 12 mm

- Read Range(Fixed Reader) : US: > 9.0 m; EU: > 8.0 m
- Read Range(Handheld Reader): US: > 11.0 m; EU: > 9.5 m



- Model: Hydro LA426-P
- Dimension: 50 x 12 mm

- Read Range(Fixed Reader) : US: > 5.0 m; EU: > 5.6 m
- Read Range(Handheld Reader): US: > 7.0 m; EU: > 7.5m



- Model: Hydro LA427
- Dimension: 35 x 15 mm

- Read Range (Fixed Reader) : US: > 3.2 m; EU: > 5.7 m
- Read Range (Handheld Reader): US: > 4.5 m; EU: > 6.0 m



- Model: Hydro LA427-P
- Dimension: 35 x 15 mm

- Read Range (Fixed Reader) : US: >3.0 m; EU: > 3.8 m
- Read Range (Handheld Reader): US: > 4.5 m; EU: > 5.0 m



- Model: Unda LA801/802/803
- Dimension:  $\phi$  18mm,  $\phi$  22mm,  $\phi$  25mm

- Chip Type: NXP Ucode 9
- Read Range: 1.5m( $\phi$ 18), 2.7m( $\phi$ 18), 5.5m( $\phi$ 25)

#### HF+ UHF Dual Frequency Laundry Tag



- Model: Aqua LA601
- Dimension: 35 x 35 mm
- Chip Type: Qstar-6s
- Read Range(Fixed Reader) : > 3.0 m
- Read Range(Handheld Reader): > 1.8 m



- Model: Aqua LA602
- Dimension: 70 x 20 mm
- Chip Type: Qstar-6s
- Read Range(Fixed Reader) : > 3.8 m
- Read Range(Handheld Reader): > 1.6 m



- Model: Aqua LA603
- Dimension: 70 x 20 mm
- Chip Type: EM4425
- Read Range(Fixed Reader) : > 6.0 m
- Read Range(HF): > 2.0 cm(14.2MHz)

#### UHF Laundry Tag In Roll



- Model: Aqua LA701
- Dimension: 58 x 30 mm
- Chip Type: Impinj Monza 730
- Read Range(Fixed Reader) : > 8.0 m
- Read Range(Handheld Reader): > 6.0 m



- Model: Aqua LA702
- Dimension: 70 x 20 mm
- Chip Type: Impinj Monza 730
- Read Range(Fixed Reader) : > 10.0 m
- Read Range(Handheld ReaderF): > 7.5 m

#### Printable UHF Laundry Tag In Roll



- Model: Nebula LA711
- Dimension: 70 x 22 mm
- Chip Type: NXP Ucode 9xe
- Read Range(Fixed Reader) : > 5.8 m
- Read Range(Handheld Reader): > 9.5 m



- Model: Nebula LA711-P
- Dimension: 70 x 22 mm
- Chip Type: NXP Ucode 9xe
- Read Range(Fixed Reader) : > 6.0 m
- Read Range(Handheld Reader): > 9.5 m

## UHF PCB On-metal Tag

The tag is based on FR-4 materials with IP68 rated, it has super reliability and durability, high temperature resistant, suitable for different harsh environments. It could be installed via screw, rivet, adhesive, etc and it is compatible with the protocol ISO18000-6C (EPC C1G2) with unique global ID, suitable for different assets tracking and management.



| Product | Model            | Dimensions | Chip Type   | Read Range (2W ERP)<br>(902-928MHz)              | Read Range(2W ERP)<br>(865-868MHz)               |
|---------|------------------|------------|-------------|--------------------------------------------------|--------------------------------------------------|
|         | RCP8002          | 95x25x3mm  | NXP Ucode 8 | 12.5m, on metal                                  | 12m, on metal                                    |
|         | RCP8004          | 52x13x3mm  | NXP Ucode 8 | 11.5m, on metal                                  | 10.5m, on metal                                  |
|         | RCP8005          | 36x13x3mm  | NXP Ucode 8 | 8.8m, on metal                                   | 7.8m, on metal                                   |
|         | RCP8006          | 80x20x3mm  | NXP Ucode 8 | 11.0m, on metal                                  | 9.0m, on metal                                   |
|         | RCP8006<br>(DFN) | 80x20x3mm  | NXP Ucode 8 | 20.5m, on metal                                  | /                                                |
|         | RCP8010          | 30x5x2mm   | NXP Ucode 8 | 17.5m, on 15x2cm metal<br>7.0m, on 14x14cm metal | 15m, on 15x2cm metal<br>4.5m, on 14x14cm metal   |
|         | RCP8020          | D=5x3mm    | NXP Ucode 8 | 6.2m, on 15x2cm metal<br>2.0m, on 14x14cm metal  | 4.6m, on 15x2cm metal<br>2.3m, on 14x14cm metal  |
|         | RCP8021          | D=10x3mm   | NXP Ucode 8 | 12m, on 15x2cm metal<br>4.5m, on 14x14cm metal   | /                                                |
|         | RCP8022          | D=16x2mm   | NXP Ucode 8 | 14m, on 15x2cm metal<br>5.8m, on 14x14cm metal   | 13.5m, on 15x2cm metal<br>5.0m, on 14x14cm metal |
|         | RCP8023          | 8x3x3mm    | NXP Ucode 8 | 11m, on 15x2cm metal<br>3.5m, on 14x14cm metal   | 11m, on 15x2cm metal<br>3.7m, on 14x14cm metal   |
|         | RCP8025          | 25x10x3mm  | NXP Ucode 8 | 15.5m, on 15x2cm metal<br>8.0m, on 14x14cm metal | 16.5m, on 15x2cm metal<br>8.5m, on 14x14cm metal |
|         | RCP8026          | 40x10x3mm  | NXP Ucode 8 | 9.0m, on metal                                   | 8.0m, on metal                                   |

| Product                                                                             | Model       | Dimensions    | Chip Type   | Read Range(2W ERP)<br>(902-928MHz)           | Read Range(2W ERP)<br>(865-868MHz)          |
|-------------------------------------------------------------------------------------|-------------|---------------|-------------|----------------------------------------------|---------------------------------------------|
|     | RCP8027     | 15x4x2mm      | NXP Ucode 8 | 13.5m,on15x2cm metal<br>5.5m,on14x14cm metal | /                                           |
|     | RCP8030     | 56.5x5x1.3mm  | NXP Ucode 9 | /                                            | 3.5m,on metal                               |
|     | RCP8032     | 60x20x3mm     | NXP Ucode 8 | 13m,on metal                                 | 11m,on metal                                |
|     | RCP8033     | 13x7x3mm      | NXP Ucode 8 | 15m,on15x2cm metal<br>7.0m,on14x14cm metal   | /                                           |
|     | RCP8034     | 6x6x3mm       | NXP Ucode 8 | 8.8m,on15x2cm metal<br>3.8m,on14x14cm metal  | 7.4m,on15x2cm metal<br>2.3m,on14x14cm metal |
|   | RCP8035     | D=20x2mm      | NXP Ucode 8 | 6.6m,on metal                                | 6.5m,on metal                               |
|   | RCP8036     | 38x10x3mm     | NXP Ucode 8 | 19m,on15x2cm metal<br>11m,on14x14cm metal    | 17m,on15x2cm metal<br>9m,on14x14cm metal    |
|   | RCP8037     | 45x8x3mm      | NXP Ucode 8 | 9.0m, on metal                               | /                                           |
|                                                                                     | RCP8037 Pro |               |             | 11m,on metal                                 | 7.0m,on metal                               |
|   | RCP8038     | 50x10x1mm     | NXP Ucode 8 | 5.0m,on metal                                | /                                           |
|                                                                                     | RCP8038 Pro |               |             | 7.7m,on metal                                | 6.4m,on metal                               |
|  | RCP8039     | 42x15x2mm     | NXP Ucode 8 | 10.5m,on metal                               | /                                           |
|                                                                                     | RCP8039 Pro |               |             | 11m,on metal                                 | 9.0m,on metal                               |
|   | RCP8045     | 80 x 5 x 2 mm | NXP Ucode 8 | 11.5m, on metal                              | 9.5m, on metal                              |



## UHF High Protecting Tag

This high protecting tag is specially designed for metallic asset tracking under outdoor or extremely harsh environments. Attached on metal with long reading distance, mainly used for asset management heavy industry, metallic asset tracking, oil & gas & mining, automatic production line, warehouse shelf, container tracking etc.



- Model: RCC6011
- Weight: 76.4g

- Chip Type: Alien Higgs 3/9
- Material: Ceramic/Epoxy/Steel

- Dimensions: D=34x30mm, M10
- Read Range: 1.8m(US)



- Model: RCO8013
- Weight: 50g

- Chip Type: Alien Higgs 3/9
- Material: Ceramic/Epoxy/Steel

- Dimensions: 60x30x8mm
- Read Range: 3.5m(US), 4.5m(EU)



- Model: RCO8009
- Weight: 23.5g

- Chip Type: Alien Higgs 3/9
- Material: Ceramic

- Dimensions: 47.87x35x7.8mm
- Read Range: 12.5m(US), 16m(EU)



- Model: RCO8009-1
- Weight: 20g

- Chip Type: Alien Higgs 3/9
- Material: Engineering Plastics

- Dimensions: 47.87x35x7.8mm
- Read Range: 9.5m(US), 7m(EU)



- Model: RCO8011
- Weight: 15.5g

- Chip Type: NXP Ucode 8/9/9xe
- Material: Engineering Plastics

- Dimensions: 128x30x8.5mm
- Read Range: 25m(US), 30m(EU)



- Model: RCO8012
- Weight: 12g
- Chip Type: NXP Ucode 8/9/9xe
- Material: Engineering Plastics
- Dimensions: 88x30x9mm
- Read Range: 24m(US),21m(EU)



- Model: RCO8008
- Weight: 20.5g
- Chip Type: Impinj Monza R6-P
- Material: Engineering Plastics
- Dimensions: 62x37x12mm
- Read Range: 3.2m(EU)



- Model: RCO8015
- Weight: 10.5g
- Chip Type: Impinj Monza R6-P
- Material: Engineering Plastics
- Dimensions: 88x37x4mm
- Read Range: 8.5m(US),7.0m(EU)



- Model: RCO8016
- Weight: 47g
- Chip Type: Impinj Monza 4E/4QT/4i
- Material: Engineering Plastics
- Dimensions: 136x43x10.3mm
- Read Range: 30m

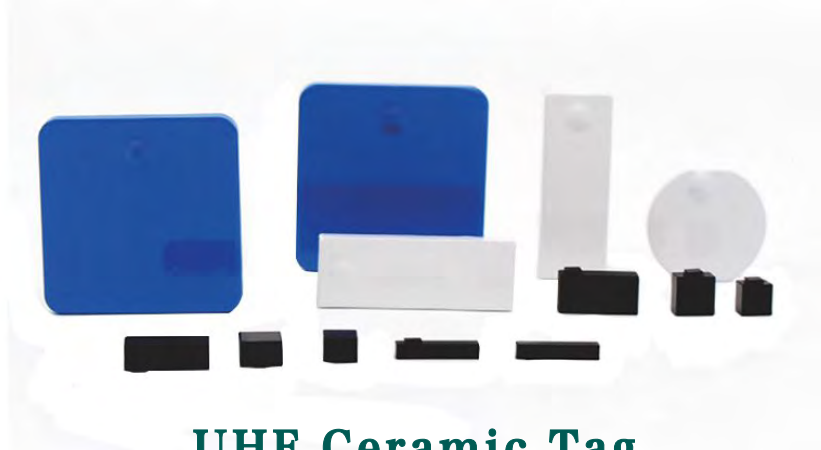


- Model: RCO8018
- Weight: 47g
- Chip Type: Impinj MR6P+Ntag213
- UHF Read Range: 11m
- Dimensions: 136x43x10.3mm
- NFC Read Range: 3cm



- Model: RCO8019
- Weight: 12.0g
- Chip Type: NXP Ucode 9xm
- Read Range: 25m(US),21m(EU)
- Dimensions: 85x21x10mm





## UHF Ceramic Tag

The tag can be embedded in metal and will withstand repeated autoclave cycles. It is designed to meet FDA requirements, is ATEX certified, and is an ideal solution for tracking small tools. Such as scalpel, Bearing, auto spare parts, etc. It is compatible to ensure safety in medical applications and have been tested to survive high heat in repeated autoclave cycles and industrial chemical washes that normally complicate the application of RFID devices.



- Model: RCC6001
- Chip Type: Alinen Higgs 3/NXP Ucode 9/9xe
- Dimensions: 25x25x3mm
- Read Range: 14.5m(US), 12m(EU)



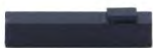
- Model: RCC6009
- Chip Type: Alinen Higgs 3/NXP Ucode 9/9xe
- Dimensions: 5x5x3mm
- Read Range: 3.3m(US), 3.0m(EU)



- Model: RCC6010
- Chip Type: Alinen Higgs 3/NXP Ucode 9/9xe
- Dimensions: 10x5x3mm
- Read Range: 4.8m(US), 4.5m(EU)



- Model: RCC6012
- Chip Type: Alinen Higgs 3/NXP Ucode 9/9xe
- Dimensions: 4x4x3mm
- Read Range: 1.6m(US), 1.7m(EU)



- Model: RCC6013
- Chip Type: Alinen Higgs 3/NXP Ucode 9/9xe
- Dimensions: 10.2x1.9x1.9mm
- Read Range: 1.8m(EU)



- Model: RCC6014(Tamper-proof)
- Chip Type: Alinen Higgs 3/NXP Ucode 9/9xe
- Dimensions: 25x25x3mm
- Read Range: 4m(US), 4m(EU)

**RFID Apparel Tag**



- Model: RC9008
- Weight: 11.7g
- Dimensions: 72.75x30.75x20.75mm
- Material: ABS
- Chip Type: NXP Ucode 8/9/9XE
- Read Range: 12m
- Application: Clothes security anti-theft /Apparel retail/ Clothes inventory,etc



- Model: RC9015
- Weight: 1.4g
- Dimensions: 110x37x0.35mm
- Material: Paper
- Chip Type: Alien Higgs 3
- Read Range: 8m(US),7(EU)
- Application: Logistics sorting/Apparel retail and management/ Assets tracking management, etc



- Model: RC9602
- Weight: 2.7g
- Dimensions:  $\phi$ 34x5mm
- Material: ABS
- Chip Type: NXP Ucode 8/9/9XE
- Read Range: 6.5m
- Application: Clothes security anti-theft /Apparel retail/ Clothes inventory,etc



- Model: RC9604
- Weight: 12.5g
- Dimensions: 76x28x18mm
- Material: ABS
- Chip Type: Impinj Monza R6-P
- Read Range: 9.5m
- Application: Clothes security anti-theft /Apparel retail/ Clothes inventory,etc



- Model: RC9605
- Weight: 12.5g
- Dimensions: 72.44x29.71x14.85mm
- Material: ABS
- Chip Type: Impinj Monza R6-P
- Read Range: 12m
- Application: Clothes security anti-theft /Apparel retail/ Clothes inventory,etc



- Model: RC9606
- Weight: 10.5g
- Dimensions: 55.56x48.66x21mm
- Material: ABS
- Chip Type: Impinj Monza R6-P
- Read Range: 11m
- Application: Clothes security anti-theft /Apparel retail/ Clothes inventory,etc



- Model: RC9028
- Dimensions: 50 x 35 mm
- Read Range: 10m(US)
- Material: Nylon
- Chip Type: Impinj Monza R6-P
- Read Range: 6m(EU)
- Application: Clothes security anti-theft /Apparel retail/ Clothes inventory,etc



- Model: RC9012
- Weight: 3.4g
- Dimensions: 53x30x1mm
- Material: PVC
- ChipType: Impinj MR6/ NXP U7
- Read Range: 8.0m(US),7.0(EU)
- Application: Clothes security anti-theft /Apparel retail/ Clothes inventory,etc

#### RFID Jewelry Tag



- Model: RC9017-3
- Chip Type: Impinj Monza R6-P
- Dimensions: 68x13mm
- Read Range: 4.8m
- Application: Jewelry Security management/Glasses Control Tracking/Bag Tracking management, etc.



- Model: RC9017-4
- Chip Type: NXP Ucode8/9/9xe
- Dimensions: 68x13mm
- Read Range: 8m
- Application: Jewelry Security management/Glasses Control Tracking/Bag Tracking management, etc.



- Model: RC9017-7
- Chip Type: Qstar-71GB/73GB
- Dimensions: 68x13mm
- Read Range: 7m
- Application: Jewelry Security management/Glasses Control Tracking/Bag Tracking management, etc.

## RFID Tire Tags



- Model: RC5053
- Dimensions: 100x50mm
- Material: PET
- ChipType: NXP Ucode 8/9/9xe
- Read Range: 15m(US)
- Application: Tire tracking/Ruber tracking/Logistics managemen/Assets management, etc



- Model: RC9020
- Weight: 0.4g/0.2g
- Dimensions: 84x1/50x1mm
- Material: Steel wire
- ChipType: Alien Higgs 3/9
- Read Range: 2.4m
- Application: Tire factory control/ Tire asset tracking/ Automobile factory tire tracking,etc



- Model: RC9020-1
- Weight: 5.0g
- Dimensions: 95x35x2.5mm
- Material: Rubber
- ChipType: Alien Higgs 3/9
- Read Range: 1.0m
- Application: Bus tire tracking/ Truck tire tracking/Automobile factory tire tracking,etc



- Model: RC9020-2
- Weight: 4.7g
- Dimensions: 85x38x2mm
- Material: Rubber
- ChipType: Alien Higgs 3/9
- Read Range: 0.9m
- Application: Bus tire tracking/ Truck tire tracking/Automobile factory tire tracking,etc



- Model: RC9020-3
- Weight: 5.0 g
- Dimensions: 95x35x2.5mm
- Material: Rubber
- ChipType: NXP Ucode 8
- Read Range: >8.0 m
- Application: Bus tire tracking/ Truck tire tracking/Automobile factory tire tracking,etc



- Model: RC9022
- Dimensions: 42.4x9mm
- ChipType: Alien Higgs 10
- Read Range: 5.3m
- Application: Bus tire tracking/ Truck tire tracking/Automobile factory tire tracking,etc

**UHF Special Tag**



- Model: RC9003
- Weight: 6.9g
- Dimensions: 345x28x4.5mm
- Material: ABS/Nylon
- ChipType: NXP Ucode 8/9/9xe
- Read Range: 8.5m
- Application: Asset Tracking/Pallet Management/Food Hygiene Control, etc.



- Model: RCT10001
- Weight: 2.4g
- Dimensions: 110x9.6x1.2mm
- Material: FR-4
- ChipType: Impinj Monza 4QT/4E
- Read Range: 13m
- Application: Wooden & Plastic pallet tracking/Non-metal assets management, etc.



- Model: RCT10002
- Weight: 0.3g
- Dimensions: 58x4x1.3mm
- Material: FR-4
- ChipType: Impinj Monza 4QT
- Read Range: >4.8m
- Application: Wooden & Plastic pallet tracking/Non-metal assets management, etc.



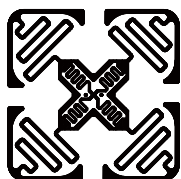
- Model: RCT10003
- Weight: 2.0g
- Dimensions: 90x10x1mm
- Material: FR-4
- ChipType: NXP Ucode 8
- Read Range: >6.0m
- Application: Wooden & Plastic pallet tracking/Non-metal assets management, etc.

## UHF Inlay

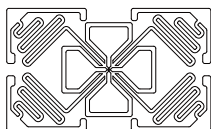


Impinj Monza 4 Series

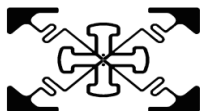
| Model | User Memory | EPC Memory | TID Memory | Serialized TID | Kill Passwords | Access Passwords |
|-------|-------------|------------|------------|----------------|----------------|------------------|
| M4D   | 32bits      | 128bits    | 96bits     | 48bits         | 32bits         | 32bits           |
| M4E   | 128bits     | 496bits    | 96bits     | 48bits         | 32bits         | 32bits           |
| M4QT  | 512bits     | 128bits    | 96bits     | 48bits         | 32bits         | 32bits           |
| M4i   | 480bits     | 256bits    | 96bits     | 48bits         | 32bits         | 32bits           |



- Antenna Dimension: 44x44mm
- Wet Inlay/White Wet Dimension: 50x50mm(customized)
- Label Material: Coated Paper/PET/Fragile Paper
- Read Range(2W ERP): 7m
- Application: Book&archive / Logistics / Luggage /Ticket ,etc.



- Antenna Dimension: 50x30mm
- Wet Inlay/White Wet Dimension: 54x34mm(customized)
- Label Material: Coated Paper/PET/Fragile Paper
- Read Range(2W ERP): 8.5m
- Application: Apparel / Logistics / Document / Asset ,etc.



- Antenna Dimension: 60x40mm
- Wet Inlay/White Wet Dimension: 63x43mm(customized)
- Label Material: Coated Paper/PET/Fragile Paper
- Read Range(2W ERP): 10m
- Application: Apparel / Logistics / Luggage / Ticket ,etc.



- Antenna Dimension: 70x17mm
- Wet Inlay/White Wet Dimension: 73x20mm(customized)
- Label Material: Coated Paper/PET/Fragile Paper
- Read Range(2W ERP): 13m
- Application: Apparel / Logistics / Document / Asset ,etc.



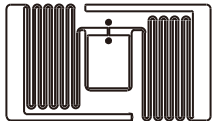
- Antenna Dimension: 93x19mm
- Wet Inlay/White Wet Dimension: 96x22mm(customized)
- Label Material: Coated Paper/PET/Fragile Paper
- Read Range(2W ERP): 13m
- Application: Windshield / Logistics / Asset / Pallet ,etc.



- Antenna Dimension: 95x3mm
- Wet Inlay/White Wet Dimension: 125x7mm(customized)
- Label Material: Coated Paper/PET/Fragile Paper
- Read Range(2W ERP):4.5m
- Application: Book&archive / Logistics / Document / Asset ,etc.



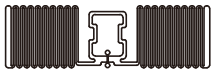
- Antenna Dimension: 95x8mm
- Label Material: Coated Paper/PET/Fragile Paper
- Application: Apparel / Logistics / Document / Asset ,etc.
- Wet Inlay/White Wet Dimension: 98x12mm(customized)
- Read Range(2W ERP): 12m



- Antenna Dimension: 22x12.5mm
- Label Material: Coated Paper/PET/Fragile Paper
- Application: Retail / Jewelry / Document /Asset ,etc.
- Wet Inlay/White Wet Dimension: 25x14.5mm(customized)
- Read Range(2W ERP): 2.4m



- Antenna Dimension: 27x10mm
- Label Material: Coated Paper/PET/Fragile Paper
- Application: Retail / Jewelry / Document / Asset ,etc.
- Wet Inlay/White Wet Dimension: 30x13mm(customized)
- Read Range(2W ERP): 4m



- Antenna Dimension: 33x10mm
- Label Material: Coated Paper/PET/Fragile Paper
- Application: Retail / Jewelry / Document / Asset ,etc.
- Wet Inlay/White Wet Dimension: 36x13mm(customized)
- Read Range(2W ERP): 3m



- Antenna Dimension: 40x15mm
- Label Material: Coated Paper/PET/Fragile Paper
- Application: Apparel / Logistics / Document / Asset ,etc.
- Wet Inlay/White Wet Dimension: 43x18mm(customized)
- Read Range(2W ERP): 8m



- Antenna Dimension: 50x50mm
- Label Material: Coated Paper/PET/Fragile Paper
- Application: Apparel / Logistics / Document / Asset ,etc.
- Read Range(2W ERP): 8m



- Antenna Dimension:  $\phi=7\text{mm}$
- Label Material: Coated Paper/PET/Fragile Paper
- Read Range(2W ERP): 1.2m(US) , 1.6m(EU)
- Application: Apparel / Logistics / Document / Asset ,etc.



- Antenna Dimension: 46x30mm
- Label Material: Coated Paper/PET/Fragile Paper
- Read Range(2W ERP): 2.5m(US) , 3.5m(EU)
- Application: Apparel / Logistics / Document / Asset ,etc.



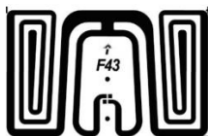
- Antenna Dimension: 22x8mm
- Label Material: PET
- Read Range(2W ERP): 0.5m(US) , 0.2m(EU)
- Application: Jewelry /Watch / Glasses ,etc.



- Antenna Dimension:  $\phi=12\text{mm}$
- Label Material: Coated Paper/PET/Fragile Paper
- Read Range(2W ERP): 0.8m(US) , 0.5m(EU)
- Application: Jewelry /Watch / Glasses/ Drug,etc.



- Antenna Dimension: 22x8mm
- Label Material: Coated Paper/PET/Fragile Paper
- Read Range(2W ERP): 0.5m(US) , 0.2m(EU)
- Application: Jewelry /Watch / Glasses,etc.



- Antenna Dimension: 26x16mm
- Label Material: Coated Paper/PET/Fragile Paper
- Read Range(2W ERP): 0.5m
- Application: Jewelry /Watch / Glasses/Wine,etc.



- Antenna Dimension: 105x6mm
- Label Material: Coated Paper/PET/Fragile Paper
- Read Range(2W ERP): 4.6m
- Application: Jewelry/ Logistics /Wine ,etc.



- Antenna Dimension: 95x8mm
- Label Material: Coated Paper/PET/Fragile Paper
- Read Range(2W ERP): 11m(US) , 8m(EU)
- Application: Apparel / Logistics / Document / Asset ,etc.



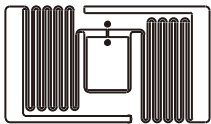


- Antenna Dimension: 95x8mm
- Label Material: Coated Paper/PET/Fragile Paper
- Read Range(2W ERP): 11m(US) ,6.5m(EU)
- Application: Apparel / Logistics / Document / Asset ,etc.



**Impinj Monza R6 Series**

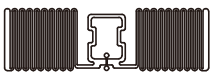
| Model | User Memory | EPC Memory  | TID Memory | Serialized TID | Kill Passwords | Access Passwords |
|-------|-------------|-------------|------------|----------------|----------------|------------------|
| MR6   | None        | 96bits      | 96bits     | 48bits         | None           | None             |
| MR6-P | 32(64)bits  | 128(96)bits | 96bits     | 48bits         | 32bits         | 32bits           |
| MR6-A | None        | 96bits      | 96bits     | 48bits         | 32bits         | 32bits           |
| MR6-B | None        | 96bits      | 96bits     | 48bits         | 32bits         | 32bits           |



- Antenna Dimension: 22x12.5mm
- Label Material: Coated Paper/PET/Fragile Paper
- Application: Retail / Jewelry / Document /Asset ,etc.
- Wet Inlay/White Wet Dimension: 25x14.5mm(customized)
- Read Range(2W ERP): 2.4m



- Antenna Dimension: 27x10mm
- Label Material: Coated Paper/PET/Fragile Paper
- Application: Retail / Jewelry / Document / Asset ,etc.
- Wet Inlay/White Wet Dimension: 30x13mm(customized)
- Read Range(2W ERP): 4m



- Antenna Dimension: 33x10mm
- Label Material: Coated Paper/PET/Fragile Paper
- Application: Retail / Jewelry / Document / Asset ,etc.
- Wet Inlay/White Wet Dimension: 36x13mm(customized)
- Read Range(2W ERP): 3m



- Antenna Dimension: 35x18mm
- Label Material: Coated Paper/PET/Fragile Paper
- Application: Apparel / Retail / Document / Asset ,etc.
- Wet Inlay/White Wet Dimension: 59x21mm(customized)
- Read Range(2W ERP): 6m



- Antenna Dimension: 40x15mm
- Label Material: Coated Paper/PET/Fragile Paper
- Application: Apparel / Logistics / Document / Asset ,etc.
- Wet Inlay/White Wet Dimension: 43x18mm(customized)
- Read Range(2W ERP): 8m



- Antenna Dimension: 42x11mm
- Label Material: PET
- Application: Retail / Jewelry / Watch / Glasses , etc.
- Wet Inlay/White Wet Dimension: 68x13mm(customized)
- Read Range(2W ERP):4m



- Antenna Dimension: 50x30mm
- Label Material: Coated Paper/PET/Fragile Paper
- Application: Apparel / Logistics / Document / Asset ,etc.
- Wet Inlay/White Wet Dimension: 54x35mm(customized)
- Read Range(2W ERP): 12m



- Antenna Dimension: 70x15mm
- Label Material: Coated Paper/PET/Fragile Paper
- Application: Apparel / Logistics / Document / Asset ,etc.
- Wet Inlay/White Wet Dimension: 73x20mm(customized)
- Read Range(2W ERP): 12m



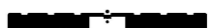
- Antenna Dimension: 95x3mm
- Label Material: Coated Paper/PET/Fragile Paper
- Application: Book&archive / Logistics / Document / Asset ,etc.
- Wet Inlay/White Wet Dimension: 125x7mm(customized)
- Read Range(2W ERP):13m



- Antenna Dimension: 95x11mm
- Label Material: Coated Paper/PET/Fragile Paper
- Application: Windshield / Logistics / Asset / Pallet ,etc.
- Wet Inlay/White Wet Dimension: 98x14mm(customized)
- Read Range(2W ERP): 15m



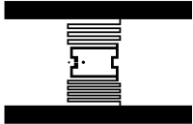
- Antenna Dimension: 40x15mm
- Label Material: Coated Paper/PET/Fragile Paper
- Application: Apparel / Document / Asset ,etc.
- Read Range(2W ERP):6m



- Antenna Dimension: 60x5mm
- Label Material: Coated Paper/PET/Fragile Paper
- Application: Apparel / Logistics / Document / Asset ,etc.
- Read Range(2W ERP): 1.5m(US) , 1.0m(EU)



- Antenna Dimension: 70x15mm
- Label Material: Coated Paper/PET/Fragile Paper
- Read Range(2W ERP): 12m
- Application: Apparel / Logistics / Document / Asset ,etc.



- Antenna Dimension: 39x25mm
- Label Material: Coated Paper/PET/Fragile Paper
- Read Range(2W ERP): 3.5m(US) ,4.5m(EU)
- Application: Apparel / Jewelry / Asset ,etc.



- Antenna Dimension: 72x20mm
- Label Material: Coated Paper/PET/Fragile Paper
- Read Range(2W ERP): 6m(US) ,2m(EU)
- Application: Apparel / Logistics / Asset ,etc.



**NXP Ucode 8/9/9xe/9xm Series**

| Model     | User Memory                                  | EPC Memory | TID Memory | Serialized TID | Kill Passwords | Access Passwords |
|-----------|----------------------------------------------|------------|------------|----------------|----------------|------------------|
| Ucode 8   | None                                         | 128bits    | 96bits     | 48bits         | 32bits         | 32bits           |
| Ucode 9   | None                                         | 96bits     | 96bits     | 48bits         | 32bits         | None             |
| Ucode 9xe | None                                         | 128bits    | 96bits     | 48bits         | 32bits         | None             |
| Ucode 9xm | User +EPC 880bits<br>(customer configurable) |            | 96bits     | 48bits         | 32bits         | 32bits           |



- Antenna Dimension: 27x10mm
- Label Material: Coated Paper/PET/Fragile Paper
- Application: Retail / Jewelry / Document / Assets, etc.
- Wet Inlay/White Wet Dimension: 30x13mm(customized)
- Read Range(2W ERP): 5.5m



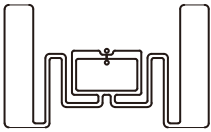
- Antenna Dimension: 40x15mm
- Label Material: PET
- Application: Liquid container / Cosmetic / Wine / Pharmaceutical, etc.
- Wet Inlay/White Wet Dimension: 43x18mm(customized)
- Read Range(2W ERP):4.5m



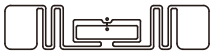
- Antenna Dimension: 40x15mm
- Label Material: Coated Paper/PET/Fragile Paper
- Application: Apparel / Logistics / Document / Asset ,etc.
- Wet Inlay/White Wet Dimension: 43x18mm(customized)
- Read Range(2W ERP): 8m



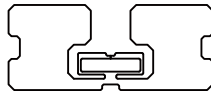
- Antenna Dimension: 42x11mm
- Label Material: Coated Paper/PET/Fragile Paper
- Application: Retail / Jewelry / Watch / Glasses , etc.
- Wet Inlay/White Wet Dimension: 68x13mm(customized)
- Read Range(2W ERP):7m



- Antenna Dimension: 50x30mm
- Label Material: Coated Paper/PET/Fragile Paper
- Application: Apparel / Logistics / Document / Asset ,etc.
- Wet Inlay/White Wet Dimension: 54x35mm(customized)
- Read Range(2W ERP): 16m



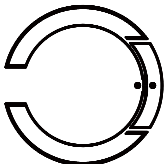
- Antenna Dimension: 70x15mm
- Label Material: Coated Paper/PET/Fragile Paper
- Application: Apparel / Logistics / Document / Asset ,etc.
- Wet Inlay/White Wet Dimension: 73x20mm(customized)
- Read Range(2W ERP): 16m



- Antenna Dimension: 72x30mm
- Label Material: Coated Paper/PET/Fragile Paper
- Application: Packing / Logistics / Document / Asset ,etc.
- Wet Inlay/White Wet Dimension: 75x33mm(customized)
- Read Range(2W ERP):16m



- Antenna Dimension: 94x22mm
- Label Material: Coated Paper/PET/Fragile Paper
- Application: Packing / Logistics / Asset / Pallet , etc.
- Wet Inlay/White Wet Dimension: 97x25mm(customized)
- Read Range(2W ERP): 18m



- Antenna Dimension: D=27mm
- Label Material: Coated Paper/PET/Fragile Paper
- Application: Packing / Logistics / Document / Asset ,etc.
- Wet Inlay/White Wet Dimension: D=30mm(customized)
- Read Range(2W ERP):6m



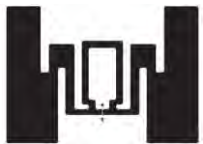
- Antenna Dimension: 44x44mm
- Label Material: Coated Paper/PET/Fragile Paper
- Application: Book&archive / Logistics / Luggage /Ticket ,etc.
- Wet Inlay/White Wet Dimension: 50x50mm(customized)
- Read Range(2W ERP): 14m



- Antenna Dimension: 42x16mm
- Label Material: Coated Paper/PET/Fragile Paper
- Read Range(2W ERP): 10m(US) ,6.0m(EU)
- Application: Packaging / Logistics / Asset ,etc.



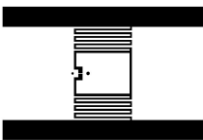
- Antenna Dimension: 40x20mm
- Label Material: Coated Paper/PET/Fragile Paper
- Read Range(2W ERP): 12m(US) ,5.0m(EU)
- Application: Apparel / Flag / Asset ,etc.



- Antenna Dimension: 42x29mm
- Label Material: Coated Paper/PET/Fragile Paper
- Read Range(2W ERP): 14m(US) ,4.0m(EU)
- Application: Packaging / Logistics / Asset ,etc.



- Antenna Dimension: 95x3mm
- Label Material: Coated Paper/PET/Fragile Paper
- Read Range(2W ERP): 15m(US) ,5.0m(EU)
- Application: Library / Wine / Document ,etc.



- Antenna Dimension: 39x25mm
- Label Material: Coated Paper/PET/Fragile Paper
- Read Range(2W ERP): 4.0m(US) ,9.0m(EU)
- Application: Jewelry /Watch / Glasses,etc.



- Antenna Dimension: 50x30mm
- Label Material: Coated Paper/PET/Fragile Paper
- Read Range(2W ERP): 16m(US),11.5(EU)
- Application: Apparel / Retail / Asset,etc.



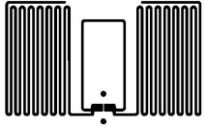
- Antenna Dimension:  $\phi=12$ mm
- Label Material: Coated Paper/PET/Fragile Paper
- Read Range(2W ERP): 0.6m(US),0.3(EU)
- Application: Apparel /Document / Asset ,etc.



- Antenna Dimension: 94.8x8.15mm
- Label Material: Coated Paper/PET/Fragile Paper
- Read Range(2W ERP): 11m(US) ,8m(EU)
- Application: Library / Cigarette / Wine,etc.



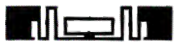
- Antenna Dimension: 70x17mm
- Label Material: Coated Paper/PET/Fragile Paper
- Read Range(2W ERP): 20m(US) ,10m(EU)
- Application: Windshield / Logistics / Asset ,etc.



- Antenna Dimension: 22x12.5mm
- Label Material: Coated Paper/PET/Fragile Paper
- Read Range(2W ERP): 3.5m(US) ,1.2m(EU)
- Application: Jewelry / Watch / Glasses ,etc.



- Antenna Dimension:  $\phi=10$ mm
- Label Material: Coated Paper/PET/Fragile Paper
- Read Range(2W ERP):0.5m(US) ,0.3m(EU)
- Application: Packaging / Logistics / Asset ,etc.



- Antenna Dimension: 70x14mm
- Label Material: Coated Paper/PET/Fragile Paper
- Read Range(2W ERP):17.5m(US) ,12.5m(EU)
- Application: Packaging / Logistics / Asset ,etc.



Impinj Monza 700 Series  
Impinj Monza 800 Series

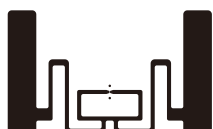
| Model | User Memory | EPC Memory | TID Memory | Serialized TID | Kill Passwords | Access Passwords |
|-------|-------------|------------|------------|----------------|----------------|------------------|
| M730  | None        | 128bits    | 96bits     | 48bits         | 32bits(share)  |                  |
| M750  | 32bits      | 96bits     | 96bits     | 48bits         | 32bits(share)  |                  |
| M780  | 128bits     | 496bits    | 96bits     | 48bits         | 32bits(share)  |                  |
| M781  | 512bits     | 128bits    | 96bits     | 48bits         | 32bits(share)  |                  |
| M830  | None        | 128bits    | 96bits     | 48bits         | 32bits(share)  |                  |
| M850  | 32bits      | 96bits     | 96bits     | 48bits         | 32bits(share)  |                  |



- Antenna Dimension: 22x12.5mm
- Wet Inlay/White Wet Dimension: 25x15mm(customized)
- Label Material: Coated Paper/PET/Fragile Paper
- Read Range(2W ERP): 4m
- Application: Retail / Jewelry / Document /Asset ,etc.



- Antenna Dimension: 27x10mm
- Wet Inlay/White Wet Dimension: 33x13mm(customized)
- Label Material: Coated Paper/PET/Fragile Paper
- Read Range(2W ERP): 4m
- Application: Retail / Jewelry / Document /Asset ,etc.



- Antenna Dimension: 50x30mm
- Wet Inlay/White Wet Dimension: 77x35mm(customized)
- Label Material: Coated Paper/PET/Fragile Paper
- Read Range(2W ERP): 12m
- Application: Apparel / Logistics / Document / Asset ,etc.



- Antenna Dimension: 95x8mm
- Wet Inlay/White Wet Dimension: 100x12mm(customized)
- Label Material: Coated Paper/PET/Fragile Paper
- Read Range(2W ERP): 14m
- Application: Packing / Logistics / Document / Asset ,etc.



- Antenna Dimension: 42x16mm
- Wet Inlay/White Wet Dimension: 45x21mm(customized)
- Label Material: Coated Paper/PET/Fragile Paper
- Read Range(2W ERP): 8m
- Application: Apparel / Logistics / Document / Asset ,etc.



- Antenna Dimension: 70x14mm
- Wet Inlay/White Wet Dimension: 73x18mm(customized)
- Label Material: Coated Paper/PET/Fragile Paper
- Read Range(2W ERP): 12m
- Application: Apparel / Logistics / Document / Asset ,etc.



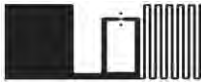
- Antenna Dimension: 95x3mm
- Label Material: Coated Paper/PET/Fragile Paper
- Application: Book&archive/ Logistics / Document / Asset ,etc.
- Wet Inlay/White Wet Dimension: 100x6mm(customized)
- Read Range(2W ERP): 10m



- Antenna Dimension: 93x19mm
- Label Material: Coated Paper/PET/Fragile Paper
- Application: Packing / Logistics / Document / Asset ,etc.
- Wet Inlay/White Wet Dimension: 95x22mm(customized)
- Read Range(2W ERP): 12m



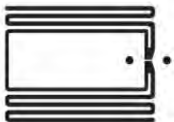
- Antenna Dimension: 42x16mm
- Label Material: Coated Paper/PET/Fragile Paper
- Application: Apparel / Document / Asset ,etc.
- Read Range(2W ERP): 10m(US) ,8m(EU)



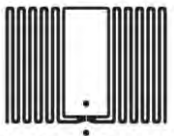
- Antenna Dimension: 40x20mm
- Label Material: Coated Paper/PET/Fragile Paper
- Application: Wine / Cosmetic/ Drug,etc.
- Read Range(2W ERP): 12m(US) ,4m(EU)



- Antenna Dimension: 72x30mm
- Label Material: Coated Paper/PET/Fragile Paper
- Application: Packing/ Logistics /Asset ,etc.
- Read Range(2W ERP): 12m(US) ,10m(EU)

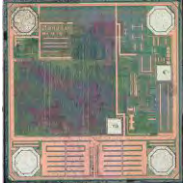


- Antenna Dimension: 12x9mm
- Label Material: Coated Paper/PET/Fragile Paper
- Application: Packing/ Logistics /Asset ,etc.
- Read Range(2W ERP): 0.4m



- Antenna Dimension: 17x12mm
- Label Material: Coated Paper/PET/Fragile Paper
- Application: Packing/ Logistics /Asset ,etc
- Read Range(2W ERP):1m





**Qstar-7X Series**

| Model | User Memory | EPC Memory | TID Memory | Serialized TID | Kill Passwords | Access Passwords |
|-------|-------------|------------|------------|----------------|----------------|------------------|
| 71GB  | 128bits     | 496bits    | 96bits     | 48bits         | 32bits         | 32bits           |
| 73GB  | 512bits     | 128bits    | 96bits     | 48bits         | 32bits         | 32bits           |



- Antenna Dimension: 44x44mm
- Label Material: Coated Paper/PET/Fragile Paper
- Read Range(2W ERP): 7.5m(US) ,2.5m(EU)
- Application: Apparel / Logistics / Library / Asset ,etc.



- Antenna Dimension: 95x8mm
- Label Material: Coated Paper/PET/Fragile Paper
- Read Range(2W ERP): 10m(US) ,14.5m(EU)
- Application: Apparel / Library / Document / Asset ,etc.



- Antenna Dimension: 93x19mm
- Label Material: Coated Paper/PET/Fragile Paper
- Read Range(2W ERP): 12m(US) ,5m(EU)
- Application: Packing /Logistics / Asset ,etc.



- Antenna Dimension: 93x19mm
- Label Material: Coated Paper/PET/Fragile Paper
- Read Range(2W ERP): 10m(US) ,12m(EU)
- Application: Packing /Logistics / Asset ,etc.



- Antenna Dimension: 70x17mm
- Label Material: Coated Paper/PET/Fragile Paper
- Read Range(2W ERP):8m(US) ,11m(EU)
- Application: Apparel / Retail / Asset ,etc.



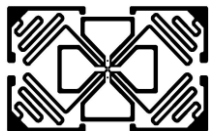
- Antenna Dimension: 95x3mm
- Label Material: Coated Paper/PET/Fragile Paper
- Read Range(2W ERP): 8m(US) ,2.5m(EU)
- Application: Library / Document / Asset ,etc.



- Antenna Dimension: 44x44mm
- Label Material: Coated Paper/PET/Fragile Paper
- Read Range(2W ERP): 8m(US) ,2m(EU)
- Application: Apparel / Logistics / Asset ,etc.



- Antenna Dimension: 60x40mm
- Label Material: Coated Paper/PET/Fragile Paper
- Read Range(2W ERP): 8m(US) ,2.5m(EU)
- Application: Apparel / Logistics / Document / Asset ,etc.



- Antenna Dimension: 50x30mm
- Label Material: Coated Paper/PET/Fragile Paper
- Read Range(2W ERP): 6m(US) ,2m(EU)
- Application: Apparel / Logistics / Document / Asset ,etc.



- Antenna Dimension:  $\phi=12$ mm
- Label Material: Coated Paper/PET/Fragile Paper
- Read Range(2W ERP): 0.2m
- Application: Document / Asset ,etc.



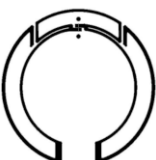
- Antenna Dimension: 40x15mm
- Label Material: Coated Paper/PET/Fragile Paper
- Read Range(2W ERP): 10m(US) ,2.5m(EU)
- Application: Apparel / Logistics / Asset ,etc.



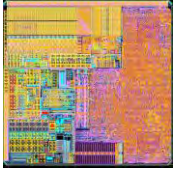
- Antenna Dimension: 70x15mm
- Label Material: Coated Paper/PET/Fragile Paper
- Read Range(2W ERP): 14m(US) ,5.5m(EU)
- Application: Apparel / Logistics / Asset ,etc.



- Antenna Dimension: 42x11mm
- Label Material: Coated Paper/PET/Fragile Paper
- Read Range(2W ERP): 5m(US) ,1.5m(EU)
- Application: Jewelry/ Watch /Drug ,etc.



- Antenna Dimension:  $\phi=27$ mm
- Label Material: Coated Paper/PET/Fragile Paper
- Read Range(2W ERP): 5m(US) ,2m(EU)
- Application: Apparel / Document / Asset ,etc.



**Alien Higgs Series**

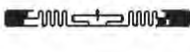
| Model | User Memory | EPC Memory | TID Memory | Serialized TID | Kill Passwords | Access Passwords |
|-------|-------------|------------|------------|----------------|----------------|------------------|
| H3    | 512bits     | 96bits     | 96bits     | 64bits         | 32bits         | 32bits           |
| H4    | 128bits     | 128bits    | 96bits     | 64bits         | 32bits         | 32bits           |
| HEC   | 128bits     | 128bits    | 96bits     | 48bits         | 32bits         | 32bits           |
| H9    | 128bits     | 96bits     | 96bits     | 48bits         | 32bits         | 32bits           |



- Antenna Dimension: 70x17mm
- Label Material: Coated Paper/PET/Fragile Paper
- Read Range(2W ERP): 12m(US) ,9m(EU)
- Application: Apparel / Logistics / Library / Asset ,etc.



- Antenna Dimension: 93x19mm
- Label Material: Coated Paper/PET/Fragile Paper
- Read Range(2W ERP): 12m(US) ,5m(EU)
- Application: Tire/ Pallet / Windscreen ,etc.



- Antenna Dimension: 94.8x8.15mm
- Label Material: Coated Paper/PET/Fragile Paper
- Read Range(2W ERP): 10m(US) ,12m(EU)
- Application: Packing /Logistics / Asset ,etc.



- Antenna Dimension: 46x44mm
- Label Material: Coated Paper/PET/Fragile Paper
- Read Range(2W ERP): 5m
- Application: Apparel / Retail / Asset ,etc.



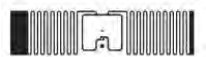
- Antenna Dimension: 70x9.5mm
- Label Material: Coated Paper/PET/Fragile Paper
- Read Range(2W ERP):7m(US) ,6m(EU)
- Application: Apparel / Logistics/ Asset ,etc.



- Antenna Dimension: 22.5x22.5mm
- Label Material: Coated Paper/PET/Fragile Paper
- Read Range(2W ERP): 3.3m(US) ,1.5m(EU)
- Application: Medical / Retail / Asset ,etc.



- Antenna Dimension: 27x9.7mm
- Label Material: Coated Paper/PET/Fragile Paper
- Read Range(2W ERP): 2.3m(US) ,1m(EU)
- Application: Jewelry / Watche / Glasses ,etc.



- Antenna Dimension:44.45x10.325mm
- Label Material: Coated Paper/PET/Fragile Paper
- Read Range(2W ERP): 5m(US) ,4m(EU)
- Application: Apparel / Logistics / Document / Asset ,etc.



- Antenna Dimension: 12x9mm
- Label Material:Coated Paper/PET/Fragile Paper
- Read Range(2W ERP): 0.2m(US) ,0.1m(EU)
- Application: Jewelry / Food / Drug/ REK ,etc.



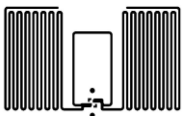
- Antenna Dimension: 45x30mm
- Label Material: Coated Paper/PET/Fragile Paper
- Read Range(2W ERP): 2.15m
- Application: Apparel / Retail / Asset ,etc.



- Antenna Dimension: 95x3mm
- Label Material: Coated Paper/PET/Fragile Paper
- Read Range(2W ERP): 3.5m(US) ,2m(EU)
- Application: Apparel / Library / Wine ,etc.



- Antenna Dimension: 95x3mm
- Label Material: Coated Paper/PET/Fragile Paper
- Read Range(2W ERP): 7m(US) ,2.5m(EU)
- Application: Apparel / Library / Wine ,etc.



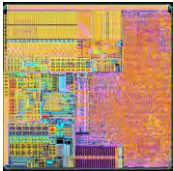
- Antenna Dimension: 22x12.5mm
- Label Material: Coated Paper/PET/Fragile Paper
- Read Range(2W ERP):2.5m(US) ,1.0m(EU)
- Application: Jewelry/ Watch /Glasses ,etc.



- Antenna Dimension: 40x15mm
- Label Material: Coated Paper/PET/Fragile Paper
- Read Range(2W ERP): 8.5m(US) ,3m(EU)
- Application: Apparel / Retail / Asset ,etc.

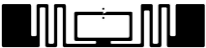


- Antenna Dimension: 93x19mm
- Label Material: Coated Paper/PET/Fragile Paper
- Read Range(2W ERP): 14m(US) ,7m(EU)
- Application: Apparel / Retail / Asset ,etc.



Alien Higgs 10

| Model | User Memory | EPC Memory | TID Memory | Serialized TID | Kill Passwords | Access Passwords |
|-------|-------------|------------|------------|----------------|----------------|------------------|
| H10   | 32bits      | 96bits     | 96bits     | 48bits         | 32bits         | 32bits           |



- Antenna Dimension: 70x14mm
- Label Material: Coated Paper/PET/Fragile Paper
- Read Range(2W ERP): 12.5m(US),7m(EU)
- Application: Apparel / Retail / Asset ,etc.



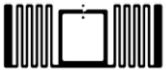
- Antenna Dimension: 95x3mm
- Label Material: Coated Paper/PET/Fragile Paper
- Read Range(2W ERP): 10m(US) ,5m(EU)
- Application: Apparel / Library / Wine ,etc.



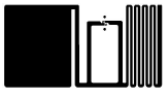
- Antenna Dimension: 50x30mm
- Label Material: Coated Paper/PET/Fragile Paper
- Read Range(2W ERP): 14m(US) ,4m(EU)
- Application: Apparel / Retail / Asset ,etc.



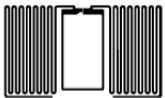
- Antenna Dimension: 70x14mm
- Label Material: Coated Paper/PET/Fragile Paper
- Read Range(2W ERP): 12.5m(US),7m(EU)
- Application: Apparel / Retail / Asset ,etc.



- Antenna Dimension: 42x16mm
- Label Material: Coated Paper/PET/Fragile Paper
- Read Range(2W ERP): 9m(US),3.5m(EU)
- Application: Apparel / Retail / Asset ,etc.



- Antenna Dimension: 40x20mm
- Label Material: Coated Paper/PET/Fragile Paper
- Read Range(2W ERP): 8m(US),2m(EU)
- Application: Apparel / Retail / Asset ,etc.



- Antenna Dimension: 22x12.5mm
- Label Material: Coated Paper/PET/Fragile Paper
- Read Range(2W ERP): 4m(US),1.5m(EU)
- Application: Jewelry / Retail / Asset ,etc.



- Antenna Dimension: 95x8mm
- Label Material: Coated Paper/PET/Fragile Paper
- Read Range(2W ERP): 10m(US),4m(EU)
- Application: Library/ Retail / Asset ,etc.



- Antenna Dimension: 93x19mm
- Label Material: Coated Paper/PET/Fragile Paper
- Read Range(2W ERP): 12m(US),7m(EU)
- Application: Logistics / Retail / Asset ,etc.



- Antenna Dimension: 45.2x10.5mm
- Label Material: Coated Paper/PET/Fragile Paper
- Read Range(2W ERP): 6m(US),2.5m(EU)
- Application: Apparel / Retail / Asset ,etc.



- Antenna Dimension: 42x11mm
- Label Material: Coated Paper/PET/Fragile Paper
- Read Range(2W ERP): 2.0m(US),3.0m(EU)
- Application: Jewelry / Retail / Asset ,etc.



FM13UF011E Series

| Model | User Memory | EPC Memory | TID Memory | Serialized TID | Kill Passwords | Access Passwords |
|-------|-------------|------------|------------|----------------|----------------|------------------|
| 011E  | 512-112bits | 96-496bits | 96bits     | 48bits         | 32bits         | 32bits           |
| 051E  | 128bits     | 128bits    | 96bits     | 48bits         | 32bits         | 32bits           |



- Antenna Dimension: 70x14mm
- Label Material: Coated Paper/PET/Fragile Paper
- Read Range(2W ERP): 16m(US) ,12m(EU)
- Application: Apparel / Logistics / Library / Asset ,etc.



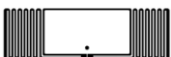
- Antenna Dimension: 42x16mm
- Label Material: Coated Paper/PET/Fragile Paper
- Read Range(2W ERP): 13m(US) ,4m(EU)
- Application: Asset/ Logistics / Apparel ,etc.



- Antenna Dimension: 95x3mm
- Label Material: Coated Paper/PET/Fragile Paper
- Read Range(2W ERP): 16m(US) ,6m(EU)
- Application: Library /Wine / Asset ,etc.



- Antenna Dimension: 94x22mm
- Label Material: Coated Paper/PET/Fragile Paper
- Read Range(2W ERP): 16m
- Application: Apparel / Retail / Asset ,etc.



- Antenna Dimension: 27x8mm
- Label Material: Coated Paper/PET/Fragile Paper
- Read Range(2W ERP):3m(US) ,1.5m(EU)
- Application: Apparel / Healthcare/ Asset ,etc.



- Antenna Dimension: 22x12.5mm
- Label Material: Coated Paper/PET/Fragile Paper
- Read Range(2W ERP): 4m(US) ,2m(EU)
- Application: Jewelry/ Retail / Asset ,etc.



- Antenna Dimension: 50x30mm
- Label Material: Coated Paper/PET/Fragile Paper
- Read Range(2W ERP): 16m(US) ,5m(EU)
- Application: Apparel / Logistics / Library / Asset ,etc.



- Antenna Dimension: 95x8mm
- Label Material: Coated Paper/PET/Fragile Paper
- Read Range(2W ERP): 18m(US) ,7.5m(EU)
- Application:Asset/ Logistics / Apparel ,etc.



- Antenna Dimension: 95x3mm
- Label Material: Coated Paper/PET/Fragile Paper
- Read Range(2W ERP): 16m(US) ,6m(EU)
- Application: Library /Wine / Asset ,etc.



- Antenna Dimension: 95x8mm
- Label Material: Coated Paper/PET/Fragile Paper
- Read Range(2W ERP): 17.5m(US) ,7.5m(EU)
- Application: Apparel / Retail / Asset ,etc.





- Antenna Dimension: 35x18mm
- Chip Type: NXP Ucode 8/9/9xe/9xm

- Read Range(2W ERP): 7.0m
- Application:Apparel / Wine / Cosmetic ,etc.



- Antenna Dimension:40x15mm
- Chip Type: Alien Higgs 9

- Read Range(2W ERP): 8.0m
- Application: Apparel / Logistics / Asset ,etc.



- Antenna Dimension: 40x15mm
- Chip Type: Alien Higgs 5(HEC)

- Read Range(2W ERP): 5.0m
- Application: Apparel / Document / Asset ,etc.



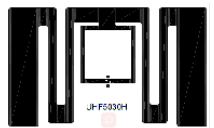
- Antenna Dimension: 40x7mm
- Chip Type: NXP Ucode 8/9/9xe/9xm

- Read Range(2W ERP): 4.0m
- Application: Apparel /Wine / Asset ,etc.



- Antenna Dimension: 44x44mm
- Chip Type: Alies Higgs 9

- Read Range(2W ERP):10m
- Application: Apparel / Library / Asset ,etc.



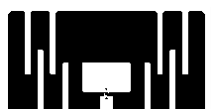
- Antenna Dimension: 50x30mm
- Chip Type: Alien Higgs 10

- Read Range(2W ERP): 10m
- Application: Apparel / Document / Asset ,etc.



- Antenna Dimension: 57x37mm
- Chip Type: Impinj Monza R6-P

- Read Range(2W ERP):10m
- Application: Packing / Document / Asset ,etc.



- Antenna Dimension: 62x32mm
- Chip Type: QR73GB

- Read Range(2W ERP): 8.0m
- Application: Apparel / Retail / Asset ,etc.



- Antenna Dimension: 65x14mm
- Chip Type: Alien Higgs 9

- Read Range(2W ERP): 7.0m
- Application:Apparel / Document / Asset ,etc.



- Antenna Dimension:65x14mm
- Chip Type: Alien Higgs 9

- Read Range(2W ERP): 8.0m
- Application: Apparel / logistics / Asset ,etc.



- Antenna Dimension: 70x14mm
- Chip Type: NXP Ucode 8/9/9xe/9xm

- Read Range(2W ERP): 15.0m
- Application: Apparel / logistics / Asset ,etc.



- Antenna Dimension: 70x15mm
- Chip Type: NXP Ucode 8/9/9xe/9xm

- Read Range(2W ERP):14.0m
- Application: Liquid container / Wine/ Parmacy ,etc.



- Antenna Dimension: 70x15mm
- Chip Type: Alien Higgs 10

- Read Range(2W ERP): 7.5m
- Application: Liquid container / Wine/ Parmacy ,etc.



- Antenna Dimension: 84x20mm
- Chip Type: NXP Ucode 8/9/9xe/9xm

- Read Range(2W ERP):18m
- Application: Windshield / Logistics / Asset,etc.



- Antenna Dimension: 92x21mm
- Chip Type: Alien Higgs 5(HEC)

- Read Range(2W ERP): 10m
- Application: Apparel / Wine / Cosmetics,etc.



- Antenna Dimension: 91x21mm
- Chip Type: Impinj Monza 4 series

- Read Range(2W ERP): 7.0m
- Application:Apparel / Wine / Cosmetic ,etc.



- Antenna Dimension: 92x21mm
- Chip Type: NXP Ucode 8/9/9xe/9xm

- Read Range(2W ERP): 12m
- Application: Apparel / Logistics / Asset ,etc.



- Antenna Dimension: 93x11mm
- Chip Type: Impinj Monza 4 series

- Read Range(2W ERP): 10m
- Application: Jewelry / Food / Drug/ REK ,etc.



- Antenna Dimension: 95x3mm
- Chip Type: NXP Ucode 8/9/9xe/9xm

- Read Range(2W ERP): 17.5m
- Application: Apparel / Library / Wine,etc.



- Antenna Dimension: 95x45mm
- Chip Type: NXP Ucode 8/9/9xe/9xm

- Read Range(2W ERP): 15m
- Application: Apparel / Library / Logistics ,etc.



- Antenna Dimension: 95x8.5mm
- Chip Type: Alien Higgs 9

- Read Range(2W ERP): 10m
- Application: Library / Document / Asset ,etc.



- Antenna Dimension: 95x8mm
- Chip Type: Impinj Monza R6-P

- Read Range(2W ERP): 15m
- Application: Library / Document / Asset ,etc.



- Antenna Dimension: 95x8mm
- Chip Type: Alien Higgs 9

- Read Range(2W ERP): 11m
- Application: Library / Document / Asset ,etc.

## HF Inlay

### FM11RF08 Series

This inlay meets with ISO14443A standard, operating frequency is 13.56MHz. Each inlay has a unique ID and stores user data. It is applied to equipment tracking, IT assets management, library management, dangerous goods management, etc.

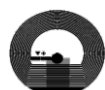
| Antenna                                                                             | Antenna Dimension | Label Dimension (customized) |
|-------------------------------------------------------------------------------------|-------------------|------------------------------|
|   | 15x15mm           | 18x18mm                      |
|  | 26x11mm           | 30x15mm                      |
|  | 32x15mm           | 35x18mm                      |
|  | 32x32mm           | 35x35mm                      |
|  | 32x32mm           | 35x35mm                      |
|  | 27x22mm           | 30x25mm                      |
|  | 38x22mm           | 41x25mm                      |
|  | 40x40mm           | 43x43mm                      |
|  | 45x45mm           | 50x50mm                      |
|  | 52x15mm           | 55x18mm                      |

| Antenna                                                                             | Antenna Dimension | Label Dimension (customized) |
|-------------------------------------------------------------------------------------|-------------------|------------------------------|
|   | 76x45mm           | 85.6x54mm                    |
|  | φ=15mm            | φ=18mm                       |
|  | φ=20mm            | φ=23mm                       |
|  | φ=22mm            | φ=25mm                       |
|  | φ=25mm            | φ=28mm                       |
|  | φ=27mm            | φ=30mm                       |
|  | φ=27mm            | φ=30mm                       |
|  | φ=30mm            | φ=33mm                       |
|  | φ=34mm            | φ=37mm                       |
|  | φ=40mm            | φ=43mm                       |

## NXP Icode Series

This inlay meets with ISO15693 standard, operating frequency is 13.56MHz. Each inlay has a unique ID and stores user data. It is applied to equipment tracking, IT assets management, library management, dangerous goods management, etc.

| Antenna                                                                             | Antenna Dimension | Label Dimension (customized) |
|-------------------------------------------------------------------------------------|-------------------|------------------------------|
|    | 15x15mm           | 18x18mm                      |
|    | 26x11mm           | 30x15mm                      |
|  | 32x14mm           | 35x17mm                      |
|  | 34x22mm           | 37x25mm                      |
|  | 37x22mm           | 40x25mm                      |
|  | 45x45mm           | 48x48mm                      |
|  | 45x45mm           | 48x48mm                      |
|  | 45x45mm           | 50x50mm                      |
|  | 52x15mm           | 55x18mm                      |
|  | 52x15mm           | 55x18mm                      |

| Antenna                                                                             | Antenna Dimension | Label Dimension (customized) |
|-------------------------------------------------------------------------------------|-------------------|------------------------------|
|    | 60x10mm           | 63x13mm                      |
|    | 76x45mm           | 85.6x54mm                    |
|  | φ=22mm            | φ=25mm                       |
|  | φ=25mm            | φ=28mm                       |
|  | φ=25mm            | φ=28mm                       |
|  | φ=33mm            | φ=36mm                       |
|  | φ=33mm            | φ=36mm                       |
|  | φ=34mm            | φ=37mm                       |
|  | φ=39mm            | φ=42mm                       |
|  | φ=40mm            | φ=43mm                       |

## NXP Ntag Series

This inlay meets with ISO14443A standard, operating frequency is 13.56MHz. Each inlay has a unique ID and stores user data. It is applied to equipment tracking, IT assets management, library management, dangerous goods management, etc.

| Antenna                                                                             | Antenna Dimension | Label Dimension (customized) |
|-------------------------------------------------------------------------------------|-------------------|------------------------------|
|    | 15x15mm           | 18x18mm                      |
|    | 18x8mm            | 21x11mm                      |
|   | 18x18mm           | 21x21mm                      |
|  | 26x11mm           | 30x15mm                      |
|  | 34x34mm           | 37x37mm                      |
|  | 37x22mm           | 40x25mm                      |
|  | 45x45mm           | 48x48mm                      |
|  | 45x45mm           | 50x50mm                      |
|  | 52x15mm           | 55x18mm                      |
|  | 52x15mm           | 55x18mm                      |
|  | 52x15.5mm         | 55x19mm                      |
|  | 76x45mm           | 85.6x54mm                    |
|  | φ=15mm            | φ=18mm                       |

| Antenna                                                                             | Antenna Dimension | Label Dimension (customized) |
|-------------------------------------------------------------------------------------|-------------------|------------------------------|
|    | φ=19mm            | φ=22mm                       |
|    | φ=20mm            | φ=23mm                       |
|   | φ=21mm            | φ=24mm                       |
|  | φ=22mm            | φ=25mm                       |
|  | φ=22mm            | φ=25mm                       |
|  | φ=22mm            | φ=25mm                       |
|  | φ=25mm            | φ=28mm                       |
|  | φ=27mm            | φ=30mm                       |
|  | φ=30mm            | φ=33mm                       |
|  | φ=35mm            | φ=38mm                       |
|  | φ=40mm            | φ=43mm                       |
|  | φ=58mm            | φ=61mm                       |
|  | φ=82mm            | φ=85mm                       |