



# METAL SKIN PLATINUM

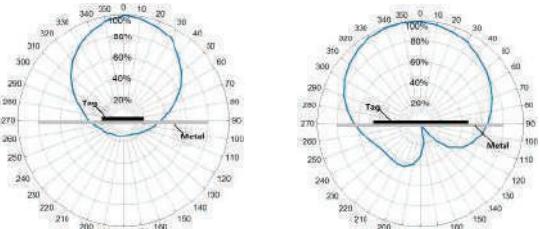
## Technical Specifications

- **RF protocol** EPC global Class 1 Gen 2
- **Frequency** 902-928 MHz (US);  
865-868 MHz (EU)
- **NXP:**
- IC type (chip)<sup>1</sup> NXP UCODE 9
- Chip memory<sup>2</sup> 96 bits EPC; 96 bits TID
- Write cycles 100,000 times
- Data retention 20 years
- Read range on metal<sup>3</sup> Up to 16.40 ft (5 m)
- Read range off metal<sup>3</sup> Up to 6.56 ft (2 m)

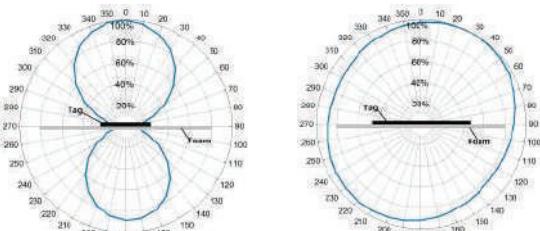
### Impinj:

- IC type (chip)<sup>1</sup> Impinj Monza R6-P
- Chip memory<sup>2</sup> 128 bits EPC; 96 bits TID; 32 bits user memory
- Write cycles 100,000 times
- Data retention 50 years
- Read range on metal<sup>3</sup> Up to 16.40 ft (5 m)
- Read range off metal<sup>3</sup> Up to 6.56 ft (2 m)
- **Polarization** Linear
- **Radiation pattern**

On metal-Horizontal / Vertical



Off metal-Horizontal / Vertical



## Key Features

- + **Flexible label:** for curved surfaces
- + **Multi-surface:** for on/off metal asset
- + **Printable:** human and computer-readable
- + **IP68 rating:** waterproof

## Applications

- **Industrial supply chain**
- **RTI management**
- **Warehouse automation**
- **Automated inventory**

## Environmental Specifications

### Temperatures

- Operational -40°C to +85°C  
-40°F to +185°F
- Survival -40°C to +85°C  
-40°F to +185°F

- IP rating IP68
- Compression strength 14 psi (97 kPa)
- Printer compatibility SATO CL4NX, Zebra ZT411R, Postek TX3r, TSC Printronix T6000e, etc.
- Vibration MIL-STD-810G
- Warranty 1 year

<sup>1</sup> The chip data retention is based on the chip operating under general environment conditions.

<sup>2</sup> EPC can be re-programmed or permanently locked, can not be password protected. TID is locked and unique at the point of manufacturing.

<sup>3</sup> Actual read range may vary based upon use case and antenna power.

## Physical Specifications

NXP:

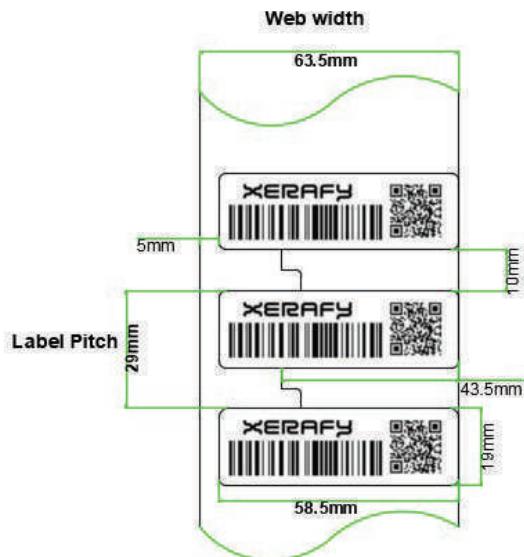
- Material White thermal transfer face stock

NXP:

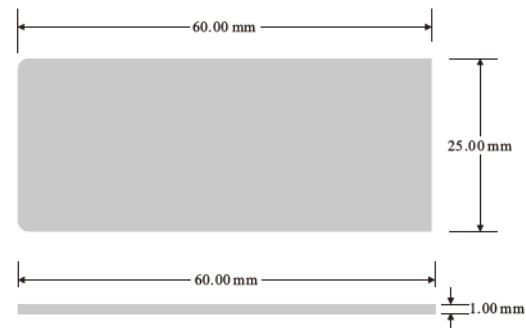
- Dimensions (in)<sup>1</sup> 2.30 x 0.75 x 0.04
- Dimensions (mm)<sup>2</sup> 58.50 x 19 x 1
- Packaging 500pcs/roll
- Weight (roll) 1.32 lbs (0.60kg)

Impinj:

- Dimensions (in)<sup>1</sup> 2.36 x 0.98 x 0.04
- Dimensions (mm)<sup>2</sup> 60 x 25 x 1
- Packaging 500pcs/roll
- Weight (roll) 1.76 lbs (0.80 kg)



Impinj:



## Mounting Systems

- Industrial adhesive

## Installation Instructions

- Clean the surface using Isopropyl alcohol, alcohol pad or equivalent solvent to ensure surface is free from dirt, dust, oil and misc, debris that may affect adhesion.
- Handle the label by edges, peel release liner from back ensuring not to touch the adhesive.
- Place the label in desired tagging location and firmly apply even pressure to the label for 5 seconds.
- Do not disturb the newly mounted label for at least 15 minutes to ensure proper adhesive seating.

<sup>1</sup> Tolerance: Length/Width= +/- 0.02; Thickness= +/- 0.008

<sup>2</sup> Tolerance: Length/Width= +/- 0.50; Thickness= +/- 0.200

## Industry Compliance



## Order Information

NXP

METAL SKIN Platinum US: X50A3-US011-U9

METAL SKIN Platinum EU: X50A3-EU011-U9

Impinj

METAL SKIN Platinum US: X6025-US011-R6P

METAL SKIN Platinum EU: X6025-EU011-R6P

## Customization Options

Encoding

Printing

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