

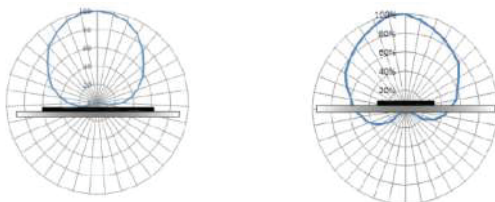


# METAL SKIN TITANIUM

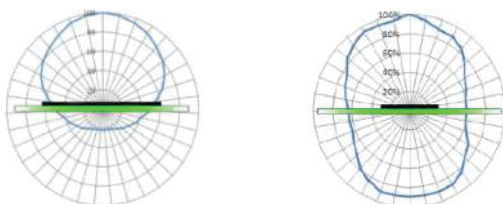
## Technical Specifications

- **RF protocol** EPC global Class 1 Gen2
- **Frequency** 902-928 (US); 865-868 (EU)
- **IC type (chip)**<sup>1</sup> NXP UCODE 9<sup>2</sup>
- **Chip memory** 96 bits EPC; 96 bits TID
- **Read range** On metal<sup>3</sup> Up to 8.2 ft (2.5 m)
- **Read range** Off metal<sup>3</sup> Up to 3.3 ft (1 m)
- **Polarization** Linear
- **Radiation Pattern**

On metal-Horizontal / Vertical



Off metal-Horizontal / Vertical



## Key features

- + **Small size:** fit for small assets
- + **On and off metal RFID labels**
- + **Printable with human and computer-readable information**
- + **Lightweight and flexible with paper-thin profile**
- + **Cost effective**

## Applications

- **Product authentication**
- **IT asset and laptop tracking**
- **Radio and mobile equipment**
- **Foil-based packaging tracking**

## Environmental Specifications

### Temperature



- **Operational temperature** -40°C to +85°C
- **Survival temperature** -40°C to +85°C (long term)

- **IP rating** IP68
- **Compression strength** 58 psi (400 kPa)
- **Shock (drop)** 3ft (1 m) to concrete/granite
- **Printer compatibility** Sato CL4NX
- **Vibration** MIL-STD-810G
- **Warranty** 1 year

<sup>1</sup> The chip data retention is up to 50 years, based on chip operating under general environment conditions.

<sup>2</sup> This product utilizes an NXP UCODE 9 chip; each tag will have the exact same EPC number and a unique TID number. Xerafy will verify the Read/Write function of each chip memory before shipment.

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



## Physical Specifications

- **Material** White thermal transfer face stock
- **Dimensions (in)**<sup>1</sup> 1.77 x 0.22 x 0.04
- **Dimensions (mm)**<sup>1</sup> 45 x 5.6 x 1
- **Delivery format** On roll
- **Quantity per roll** 500
- **Weight (roll)** 0.88 lbs (0.4 kg)

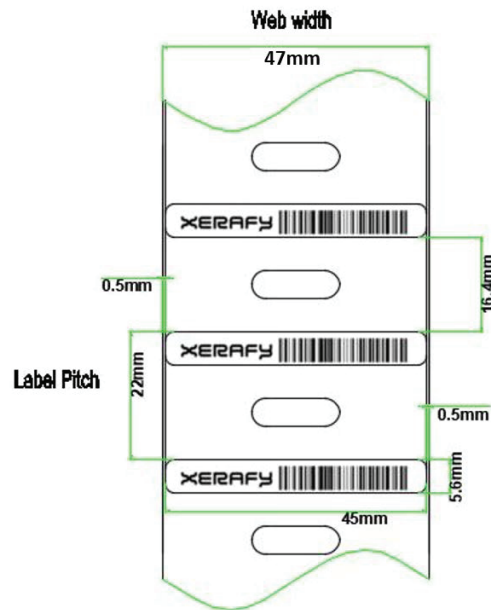
### Mounting Systems

- High performance adhesive

### Installation Instructions

Instructions for optimal performances:

1. 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.
2. Handle the label by edges, peel release liner from back ensuring not to touch the adhesive.
3. Place the label in desired tagging location and firmly apply even pressure to the label for 5 seconds.
4. Do not disturb newly mounted label for at least 15 minutes to ensure proper adhesive seating.



<sup>1</sup> Tolerance: +/- 0.02, H=0.04(+/- 0.004); +/- 0.5, H=1(+/- 0.1)

## Industry Compliance



## Order Information

Metal Skin Titanium US: X5220-US100-U9

Metal Skin Titanium EU: X5220-EU100-U9

### Customization Options

Encoding

ATEX Certified Version

Printing

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