XERAFY
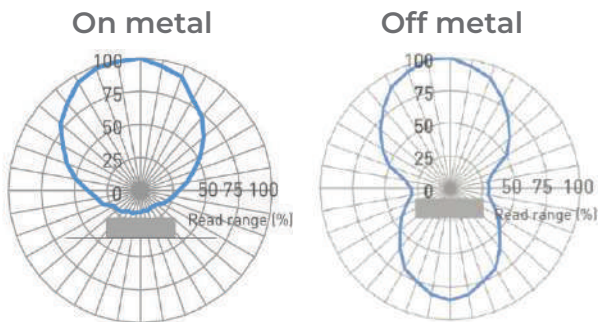
RTI OUTDOOR

Technical Specifications

- **RF protocol** EPC global Class 1 Gen 2
- **Frequency** 902-928 MHz (US);
  865-868 MHz (EU)
- **IC type** (chip)[1] Impinj R6-P
- **Chip memory**[2] 128/96 bits EPC; 48 bits TID; 32/64 bits user memory
- **Read range** on metal[3] Up to 39.37 ft (12 m)
- **Read range** off metal[3] Up to 13.12 ft (4 m)
- **Polarization** Linear
- **Radiation pattern**

On metal

Off metal

Read range [%]

Read range [%]

Key Features

- **+ 12 m read range:** read from a distance
- **+ Rivet holes:** sturdy mounting options
- **+ IP68 rating:** waterproof
- **+ UV-Proof:** for outdoor environment
- **+ Cost-effective:** for high volume

Applications

- RTI management
- Production logistics
- Yard management
- Long-distance shipping

Environmental Specifications

Temperatures

- Operational -40°C to +85°C
- Survival -40°C to +85°C (48 hours)

- **IP rating** IP68
- **Compression strength** 26 psi (180 kPa)
- **Shock** 3ft (1 m) to concrete/granite
- **Vibration** MIL-STD-810G
- **Warranty** 1 year

[1] The chip data retention is up to 50 years, based on chip operating under general environment conditions.
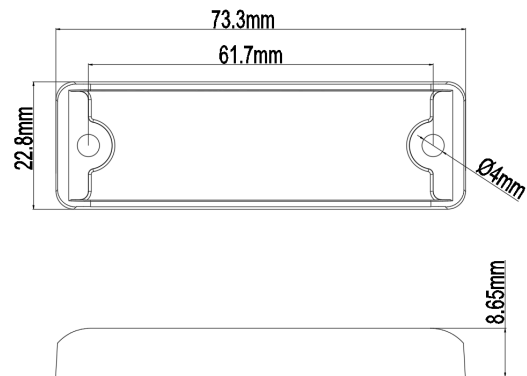[2] EPC and User Memory can be re-programmed, password protected, or permanently locked. TID is locked and unique at the point of manufacturing.
[3] Fix reader

XERAFY

Physical Specifications

- **Material** Anti-UV industry grade polymer
- **Dimensions (in)¹** 2.88 x 0.90 x 0.34
- **Dimensions (mm)¹** 73.30 x 22.80 x 8.65
- **Weight** 0.39 oz (11 g)
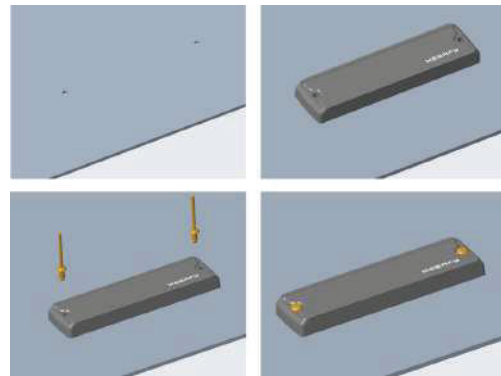
73.3mm
61.7mm
22.8mm
Ø4mm
8.65mm

Mounting Systems

- Rivets
- Cable tie (optional)
- Industrial adhesive (optional)

Installation Instructions

Use M3 rivets for attachment:

1. Drill two holes (ø 3.50) in the metal surface, pitch: 61.70 mm.

2. Utilize M3 rivets in conjunction with a rivet gun to securely fasten the tag onto the metal surface.

* Other installation options: ahesive / cable tie (based on your application environment)

¹ Tolerance: +/- 0.02; +/- 0.50

Industry Compliance

RAIN RFID | RoHS 2002/95/EC | REACH COMPLIANCE | CE | ETSI | FC | ISO 9001:2015 | ISO 14001 | IMPINJ PARTNER

Order Information

RTI OUTDOOR US: X0352-US100-R6P	RTI OUTDOOR EU: X0352-EU100-R6P

Customization Options

Encoding	Printing
Laser Marking	Industrial Adhesives
ATEX Certified Version	