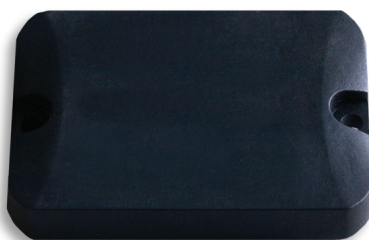


Micro^x II-Paint Shop Version



Functional Specifications

RF air protocol	EPCGlobal Class1Gen 2; ISO18000-6C
Operational frequency	UHF 902-928 MHz (US); 866-868 MHz (EU)
IC type	Alien Higgs-3
Memory configuration	96-EPC bits; 512-bit user memory
Functionality	Read / write (user programmed)
Memory – expected read / write cycles	100,000 cycles at 77°F (25°C)
Data retention	Up to 50 years ¹
Read rate	400 tags per second for 96-EPC bit number
Warranty (limited)	6 months
Applicable surface	Metal surfaces
Material	Engineering-grade nylon polymer
Color	Charcoal
Weight	0.98 oz (28 g)

Performance Characteristics

Read range on metal (2W ERP) ²	Up to 33 ft (10 m)
Polarization	Linear



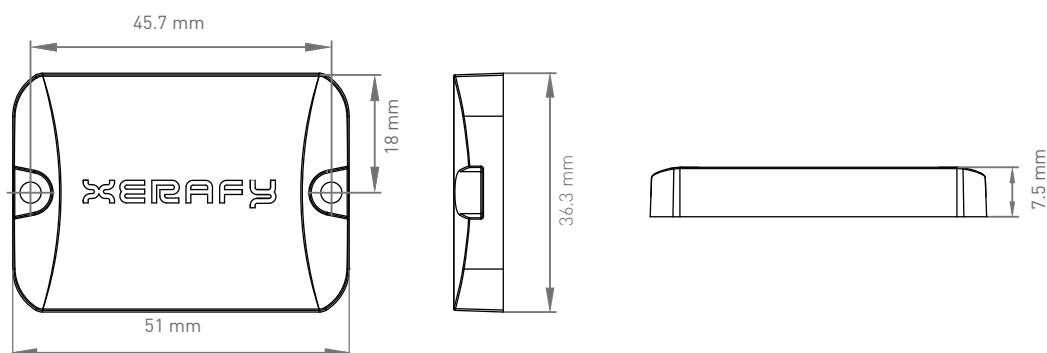
¹ The chip data retention is based on chip operating under general environment conditions.

² Actual read range may vary based upon use case and attachment methods.

Environmental Specification and Industry Compliance

RoHS	EU Directive 2011/65/EU
ATEX/IECEX	Certified
Shock	3 ft (1 m) to concrete/granite up to 200 cycles
Compression strength	181 psi (1250 kPa)
IP classification	IP68
Operational temperature	-40°F to +185°F (-40°C to +85°C)
Application temperature	-40°F to +482°F (-40°C to +250°C)
Temperature cycling test	30 Minutes at 250°C; 1 hour cool-down; 600 test cycles
Peak temperature	+482°F / +250°C 6 hours duration
Humidity	
Operational humidity	5%-95% non-condensing
Storage humidity	5%-95% non-condensing
Chemical resistance ⁴	
No physical or performance changes in: (tested in 186 hour exposure)	Salt water (15% salinity) / Ethanol / Acetone Industrial rust lubricant / Industrial cleaner Diesel fuel / Gasoline / Engine oil Isopropanol ³ Soap solution (30%) ³ Sodium hydroxide (10%, pH13) ³ Methanol

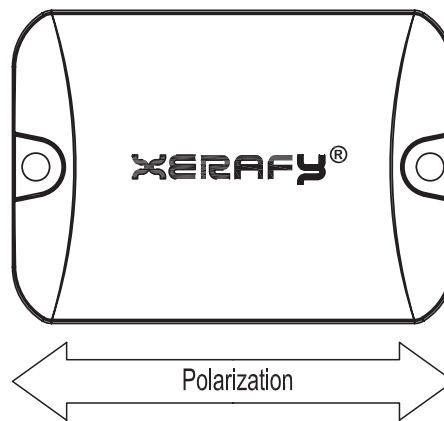
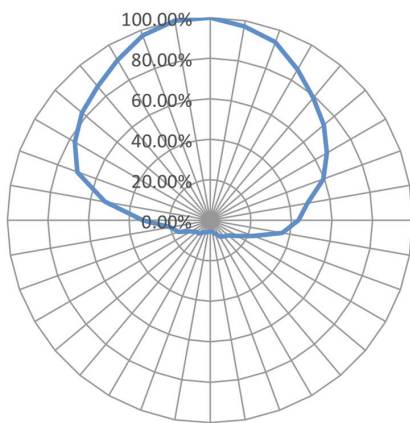
Product Dimensions



Dimensions (mm)	51 x 36.3 x 7.5
tolerance	+/- 0.5 mm
Dimensions (in)	2.01 x 1.43 x 0.30
tolerance	+/- 0.02 in
Rivet hole diameter	0.126 in +/-0.008 (3.2 mm +/- 0.2)

³ The chemical resistance is based on the concentration of solutions and application environment.

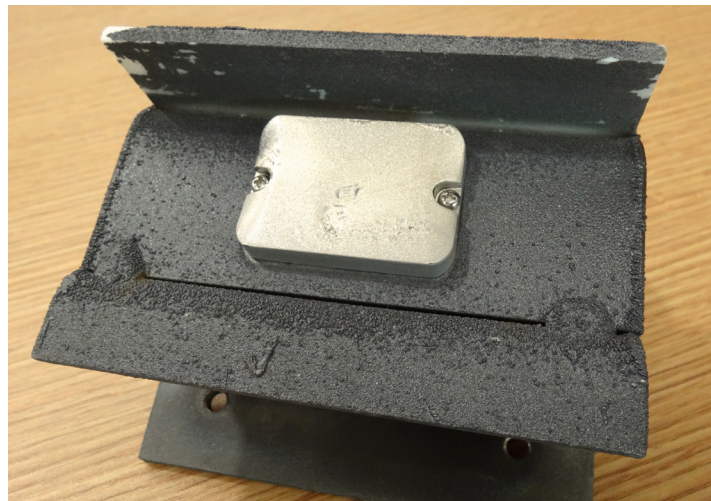
⁴ Please contact Xerafy for further details on chemical resistance.



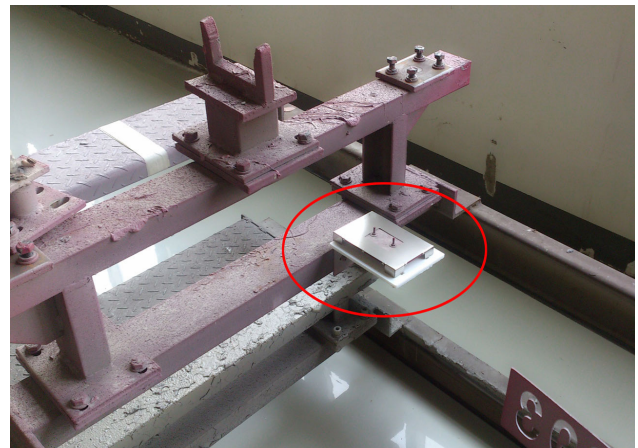
Installation instructions

The tag can be mechanically attached using:

- Screws (Rivet hole, M3)
- Pop rivets (Max size 2.4mm)



This tag was used at real paintshop plant.





Personalization options

Several options are available:

- Tag programming
- Customized laser engraving

Order information

X1130-US130-H3	Paint shop Micro XII US
X1130-EU130-H3	Paint shop Micro XII EU