

## Micro X-II Paintshop



The Xerify Micro X-II Paintshop is built to perform under extreme heat and repeated exposure to caustic fluids for applications such as hot water wash cycles and post-paint processes. The tag can survive application temperatures of up to 250° Celsius, has an IP68 rating and a read range of up to 10 meters.



Versatile mounting techniques



Superior on-metal performance



Extreme durability and reliability



IP68 rated



Hi-Temp and Caustic Chemicals



### Performance Characteristics

Read range (handheld) <sup>1</sup>	Up to 22 ft (7 m)
Read range (fixed) <sup>1</sup>	Up to 32 ft (10 m)
Polarization	Linear
Mounting system	Screws (Rivet hole, M3) Pop rivets (Max size 2.4mm)

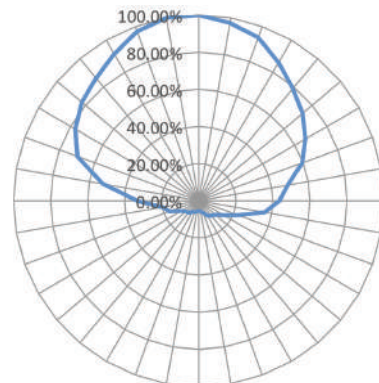
*1. Performance based on standard testing methodologies. Performance may vary depending on environmental factors and reader output power.*

### Functional Specifications

RF protocol	EPC global Class 1 Gen2
Frequency	902-928 (US) ; 865-868 (EU)
IC type (chip) <sup>1</sup>	Alien Higgs-3
Memory	96-EPC bits, 64-bit unique TID, 512-bit user memory
Material	High-performance engineered polymer

*1. The chip data retention is up to 50 years, based on chip operating under general environment conditions.*

### Radiation Pattern



- Automotive Manufacturing
- Paintshop Skids
- Automotive WIP
- Supply Chains Tracking

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## Environmental Specifications

Operational temperature	-40°C to +85°C
Survival temperature	-40°C to +250°C
Chemical resistance	Various caustic chemicals <sup>1</sup>
IP rating	IP68
Compression strength	181 psi (1250 kPa)
Shock (drop)	3 ft (1 m) to concrete/granite
Vibration	MIL-STD-810G

1. The chemical resistance is based on the concentration of solutions and application environment. Please contact Xerafy for further details on chemical resistance.

## Industry Compliance

RoHS	EU Directive 2011/65/EU
CE	Yes
ATEX/IECEX	Compliant
Warranty	1 year

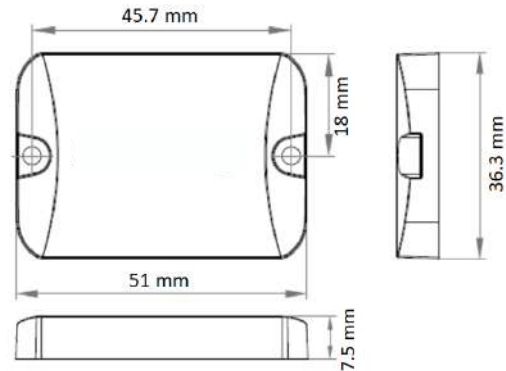
## Order Information

X1130-US130-H3	Micro X-II Paintshop US
X1130-EU130-H3	Micro X-II Paintshop EU
Optional service	Encoding / Printing / Laser etching

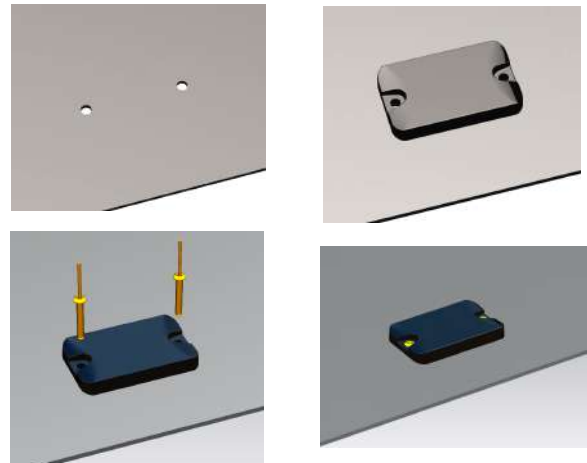


## Product Dimensions and Weight

Dimensions (in)	2.01 x 1.43 x 0.30
Tolerance	+/- 0.02
Dimensions (mm)	51 x 36.3 x 7.5
Tolerance	+/- 0.5
Weight	0.92 oz (26 g)



## Installation Instructions



Instructions for optimal performances:

1. Drill two holes on the subject metal surface. (ø 4 mm, pitch: 45.7 mm)
2. Insert two ø3.2mm (recommended size) rivets on the tag.
3. Fix the tag on the metal surface with a rivet gun.

\* Can also be attached via adhesive / epoxy.

## About Xerafy

Xerafy designs and manufactures the world's toughest RFID tags to power Industrial IoT applications in Aerospace, Oil & Gas, Automotive, Healthcare and Manufacturing.

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