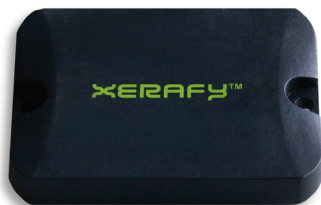


## Micro X-II Autoclavable



The Micro X-II Autoclavable version is specially designed to withstand the rigors of sterile processing, and OR workflows which involves repeated of autoclave and chemical cleaning cycles.



Versatile mounting techniques



Superior on-metal performance



Extreme durability and reliability



IP69K rated



Autoclave and Hospital Cleaning Products



- OR Trays
- Healthcare Equipments Management
- Assets Tracking in Autoclavable Environment

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### Performance Characteristics

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

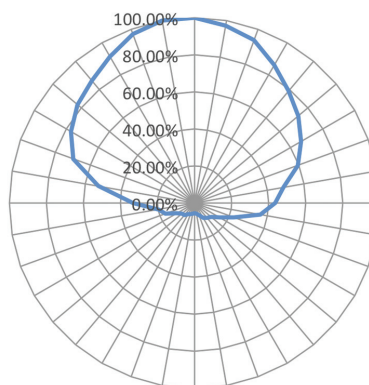
*1. Performance based on standard testing methodologies. Performance may vary depending on environmental factors and reader output power.*

### Functional Specifications

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

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

### Radiation Pattern



## Environmental Specifications

Operational temperature	-40°C to +85°C
Survival temperature	-40°C to +150°C
Peak temperature	+200°C
Chemical resistance	Various caustic chemicals <sup>1</sup>
IP rating	IP69K
Compression strength	181 psi (1250 kPa)
Shock (drop)	3 ft (1 m) to concrete/granite
Vibration	MIL-STD-810G

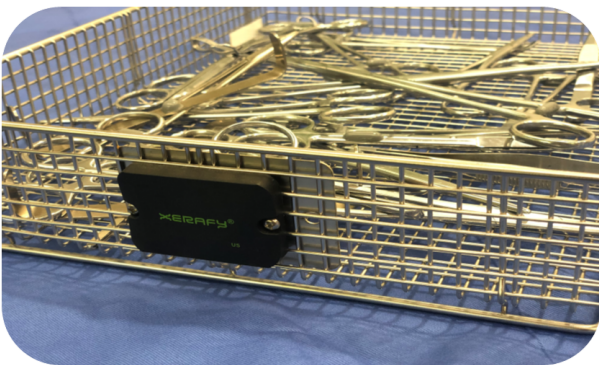
1. The chemical resistance is based on the concentration of solutions and application environment. Please contact Xerafy for further details on chemical resistance.

## Industry Compliance

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

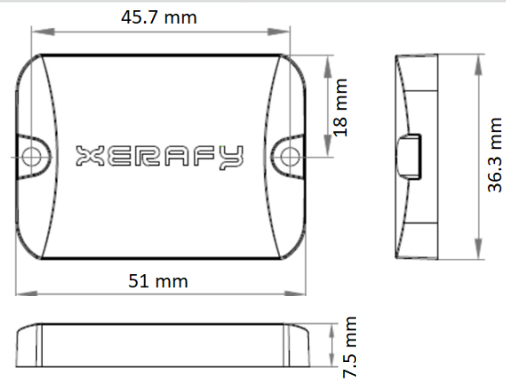
## Order Information

X1130-US140-H3	Micro X-II Autoclavable US
X1130-EU140-H3	Micro X-II Autoclavable EU
Optional service	Encoding / Laser etching

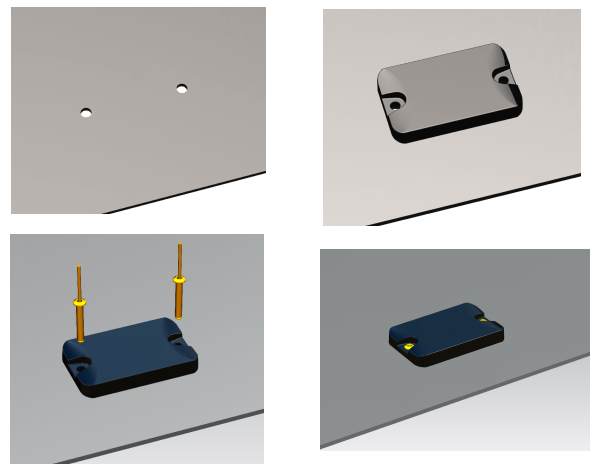


## Product Dimensions and Weight

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.  
( $\varnothing$  4 mm, pitch: 45.7 mm)
2. Insert two  $\varnothing$ 3.2mm (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.

For Product inquiries: [sales@xerafy.com](mailto:sales@xerafy.com)  
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