

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

Read range (handheld)¹	Up to 22 ft (7 m)
Read range (fixed)¹	Up to 32 ft (10 m)
Polarization	Linear
Mounting system	Screws (Rivet hole, M3) Pop rivets (Max size 3.0mm) Adhesive (optional)

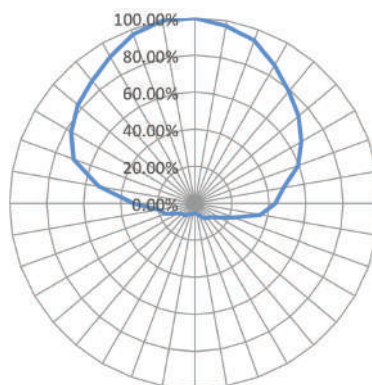
1. Performance based on standard testing methodologies. Performance may vary depending on environmental factors and reader output power.

Functional Specifications

RF protocol	EPC global Class 1 Gen2
Frequency	902-928 (US) ; 865-868 (EU)
IC type (chip)¹	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



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 ¹
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

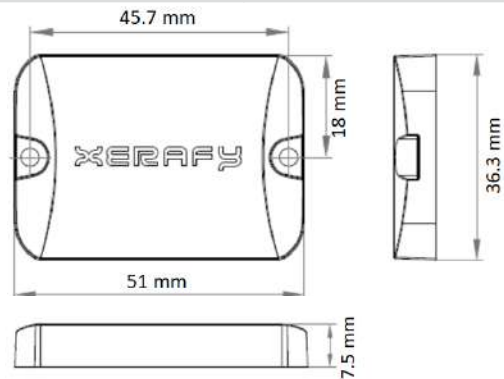
Order Information

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

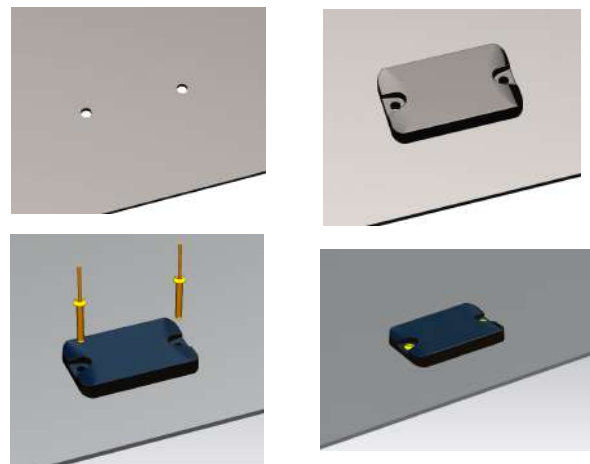


Product Dimensions and Weight

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 4.0 mm, pitch: 45.7 mm)
2. Insert two \varnothing 3.0 mm (recommended size) rivets on the tag. 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
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