

## Micro X-II Plus Automotive



The Xerafy Micro X-II Plus Automotive uniquely meets the most demanding requirements of the German Association of the Automotive Industry (VDA). It is designed to offer manufacturers across the automotive ecosystem a dependable RFID solution for demanding Hi-Temp and Caustic Chemicals applications.



High user memory



Superior on-metal performance



Extreme durability and reliability



IP68 rated



Hi-Temp and Caustic Chemicals



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

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### Performance Characteristics

<b>Read range (handheld)<sup>1</sup></b>	Up to 16 ft (5 m)
<b>Read range (fixed)<sup>1</sup></b>	Up to 22 ft (7 m)
<b>Polarization</b>	Linear
<b>Mounting system</b>	Screws (Rivet hole, M4), Pop rivets (Max size 3.2mm), Adhesive

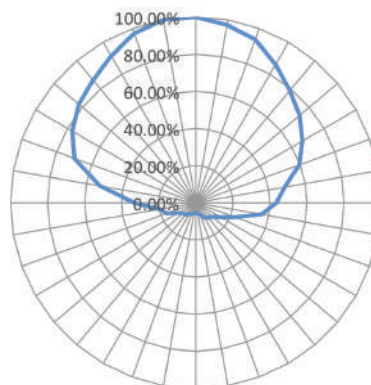
*1. Performance based on standard testing methodologies. Performance may vary depending on environmental factors and reader output power.*

### 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>	Qstar-56GN
<b>Memory</b>	496-EPC bits, 2K -bit user memory 256-bit unique TID,
<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 +250°C
Chemical resistance	Various caustic chemicals <sup>1</sup>
IP rating	IP68
Compression strength	725 psi (5000 kPa)
Shock (drop)	3 ft (1 m) to concrete/granite
Vibration	MIL-STD-810G

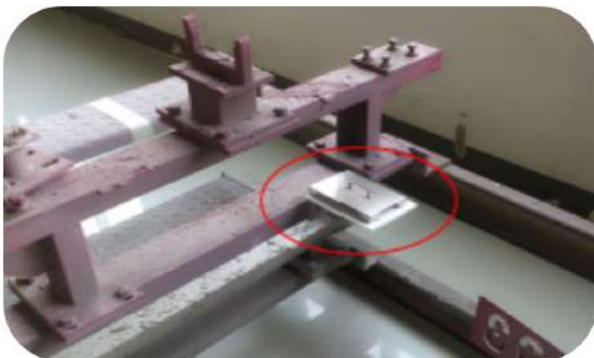
1. The chemical resistance is based on the concentration of solutions and application environment. Please contact Xerafy for further details on chemical resistance.

### Industry Compliance

RoHS	EU Directive 2011/65/EU
CE	Yes
ATEX/IECEX	Compliant
Standard Compliance	VDA3-compatible data, ready for EDI, VDA 5500, 5501, 5509, 5510, 5520
Warranty	6 months

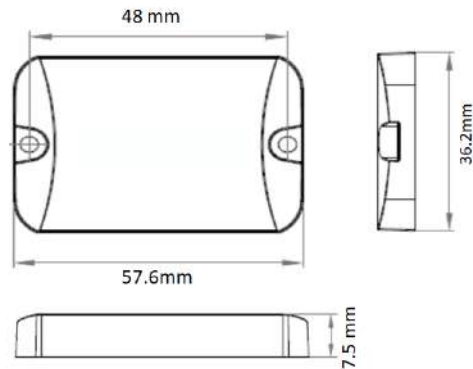
### Order Information

X2130-US130-Q56GN	Micro X-II Plus Automotive US
X2130-EU130-Q56GN	Micro X-II Plus Automotive EU
Optional service	Encoding / Printing / Laser etching

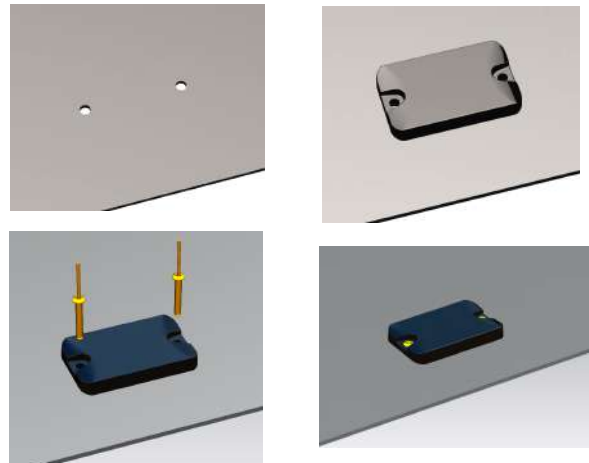


### Product Dimensions and Weight

Dimensions (in)	2.27 x 1.43 x 0.30
Tolerance	+/- 0.02
Dimensions (mm)	57.6 x 36.3 x 7.5
Tolerance	+/- 0.5
Weight	1.06 oz (30 g)



### Installation Instructions



Instructions for optimal performances:

1. Drill two holes on the subject metal surface.  
( $\varnothing$  4.20 mm, pitch: 48 mm)
2. Insert two  $\varnothing$ 3.2 mm (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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