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.





Extreme durability and reliability







- Paint Shop Skids
- WIP Systems
- VDA-Compliant Manufacturing
- Just-In-Time Manufacturing
- Automotive Components
- Native IoT Capabilities At Point-Of-Manufacture
- Returnable Transport Items (RTIs)
 Management

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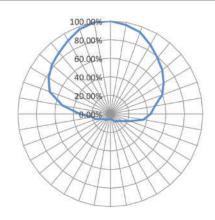
Performance Characteristics		
Read range (handheld) ¹	Up to 16 ft (5 m)	
Read range (fixed) ¹	Up to 22 ft (7 m)	
Polarization	Linear	
Mounting system	Screws (Rivet hole: ø3.2mm), Poprivets (Max size 3.2mm), Adhesive	

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

Functional Specifications		
RF protocol	EPC global Class 1 Gen2	
Frequency	902-928 (US) ; 865-868 (EU)	
IC type (chip)1	Qstar-56GN	
Memory	496 bits EPC Memory 2 Kbytes User Memory 256 bits TID Memory	
Material	High-performance engineered polymer, copper metal insert	

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 ¹	
IP rating	IP68	
Compression strength	725 psi (5000 kPa)	
Shock (drop)	3 ft (1 m) to concrete/granite	
Vibration	MIL-STD-810G	

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

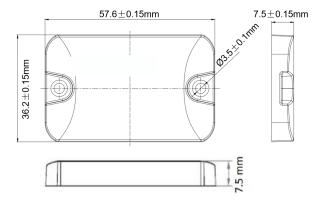
Industry Compliance		
RoHS	EU Directive 2011/65/EU	
CE	Yes	
ATEX/IECEx	Compliant	
Standard Compliance	VDA3-compatible data, ready for EDI, VDA 5500, 5501,5509, 5510, 5520	
Warranty	6 months	

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

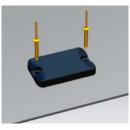
Dimensions (in)	2.27 x 1.43 x 0.30
Tolerance	+/- 0.02
Dimensions (mm)	57.6 x 36.3 x 7.5
Tolerance	+/- 0.5
Weight	1.06 oz (30 g)

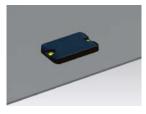


Installation Instructions









Instructions for optimal performances:

- 1. Drill two holes on the subject metal surface. (ø 3.50 mm, pitch: 48 mm)
- 2. Insert two $\phi 3.2$ 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.

For Product inquiries: sales@xerafy.com Singapore | China | US | UK

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