Xerafy X II Series
EPC UHF RFID-On-Metal Tags

Xerafy's X II Series of UHF RFID tags are specifically designed to be the smallest and most rugged RFID-on-metal tags in the world for industrial markets where critical and potentially hazardous situations require reliable identification of assets. Xerafy's patented RF antenna design provides an unrivaled performance-to-size ratio, reducing tag size and allowing customers to attach X II tags to small metallic assets that have been too challenging to track in the past. The durable X II Series can survive temperatures of up to 482°F (250°C) and other harsh elements such as high impact and caustic chemicals.

Features:

- High performance RFID-on metal tags
- Passive UHF EPC Class 1 Gen 2
- IP68 rating for harsh environments
- High application temperature range

X II tags are constructed with robust materials and rated IP68 for high reliability and durability in all types of environments. They integrate the latest IC technology to deliver the industry's best performance and memory size while conforming to EPC Class 1 Gen 2 specifications. Xerafy products are guaranteed for the highest quality and excellence and meet the industry's stringent safety and security requirements.

XERAFY®

X II Series RFID-On-Metal Tags

Series Specifications:

EPC Class 1 Gen 2 (ISO 18000-6C)	512-bit user memory
Passive UHF RFID transponders	64-bit TID; 96-EPC bits, extendible to 480 bits
Frequency:	902-928 MHz (US), 866-868 MHz (EU)
IP Rating:	IP68
Compliance:	RoHS, CE, ATEX/IECEx

1. Stated performance based on standard testing, read range may vary dependent on hardware and power.
2. EPC and user memory reprogrammable, unique TID locked at point of manufacture.

Pico^x II   P/N:X1110-US101-H3/X1110-EU101-H3

The Pico^x II is the smallest UHF RFID-on-metal tag in the X II Series and can be attached to weapons, tools, and medical devices.

Dimensions / tolerance (mm):	17.7 x 10.9 x 5 (+/- 0.3)
Dimensions / tolerance (in):	0.70 x 0.43 x 0.20 (+/- 0.012)
Weight:	0.07 oz (2 g)
Read range on-metal (2W ERP):	Up to 6.6 ft (2 m)
Operating temperature:	-22°F to +185°F (-30°C to +85°C)
Application temperature:	-40°F to +302°F (-40°C to +150°C)
Attachment:	High performance adhesive

[**Dec 2013 production stopped**]

Applications:

Tool tracking

Weapon tracking

Medical device management

Nano^x II   P/N: X1120-US101-H3/X1120-EU101-H3

The Nano^x II is the best performing RFID-on-metal tag in the industry for its size, with read ranges on metallic assets of up to 20 feet (6 meters).

Dimensions / tolerance (mm):	31.7 x 12.8 x 4.8 (+/- 0.35)
Dimensions / tolerance (in):	1.25 x 0.51 x 0.20 (+/- 0.014)
Weight:	0.18 oz (5 g)
Read range on-metal (2W ERP):	Up to 20 ft (6 m)
Operating temperature:	-22°F to +185°F (-30°C to +85°C)
Application temperature:	-40°F to +302°F (-40°C to +150°C)
Attachment:	High performance adhesive

Applications:

Tool tracking

WIP conveying equipment

IT/telecom management

Micro^x II   P/N: X1130-US100-H3/X1130-EU100-H3

The Micro^x II is constructed to perform under extreme heat and repeated exposure to caustic fluids for applications such as hot water wash cycles. ATEX certified for use in explosive atmospheres where customers can be assured that,with great performance, safety has not been compromised.

Dimensions / tolerance (mm):	51 x 36.3 x 7.5 (+/- 0.5)
Dimensions / tolerance (in):	2.01 x 1.43 x 0.30 (+/- 0.02)
Weight:	0.92 oz (26 g)
Read range on-metal (2W ERP):	Up to 33 ft (10 m)
Operating temperature:	-40°F to +185°F (-40°C to +85°C)
Application temperature:	-40°F to +482°F (-40°C to +250°C)
Attachment:	Rivet hole, ø 0.12 in (3.2 mm); adhesive (optional)

Applications:

Bulk container tracking

AGV/small vehicle management

RTIs management