

## SMTX SERIES

# SX-Xact™

SX-Xact is the product of response to customer demand for highly rugged tags that can be used in harsh and industrial environments and logistics, transportation and yard management application with top performance. Epoxy Tag units are resistant to fuels, mineral oils, petroleum and salt mist. They repel moisture – even in high temperature, high pressure washes. Unrelenting performance despite temperature fluctuations allows Epoxy Tag transponders to adapt to demanding applications. SX-Xact epoxy tag transponders are available in a variety of shapes and sizes, and may be adhered with glue, secured with screws, or embedded in a custom housing, depending on the application.

### Overview

The SX-Xact tag provides an effective solution for manufacturers, oil & gas, logistics or RTI pool owners to manage their assets in transit.

The use of RFID tags provides better visibility and control over supply chains, improves security of goods during distribution and enables automated logistics and lean manufacturing processes.

This special long-forum, rugged tag features an impressive, + meters read-range when mounted on metal assets and carries up to a 10-year life expectancy.



### Features & Benefits

- Easy-to-use RFID tag that can be attached on any surface, including metallic
- Durable – resists moisture, oils, petroleum; tolerates mechanical vibration and shock
- Customizable with human readable numbers, barcode/QR code
- Rugged clean resin assures the tag durability and longevity with industry high ingress protection rating of 68
- Affixes to: metal racks, glass, plastic, wood
- Pre-encoding: Customer-specific encoding of EPC or user memory, locking permanently or with password. SmartX offers a full service bureau for printing tags at point of manufacture.

### Industries

- Logistics and Returnable Transport Items (RTI)
- Construction & Mining
- Oil & Gas
- Equipment Rental ( % ( ' ) ) (
- Manufacturing & Automotive
- Railroad
- Facility Management

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### Applications

Ideally suited for environments and applications where an extended read range is required and exposure to chemicals, mechanical abuse and temperature/weather extremes are common concerns.



## Specifications

Physical	
Use Case	Both Metallic and Non-metallic Assets
Dimensions	x x mm ( x . 9 x . )
Material	! " # \$ % & , ' R i g i d &
Attachment	Hellermann Zip-tie Serialized Rivet

Electrical/RF Typical	
Read Range* RF Protocol	On metal up to 8m (26.2 ft) Other materials up to 3.5m (11.5 ft)
Operating Protocol	UHF, EPC Class 1 Gen 2, ISO 18000-6C 902 - 928 MHz (U.S. Band)
IC Platform	Impinj Monza R6-P
IC Memory	128 bit EPC/48 bits TID

Environmental	
Ingress Protection	IP68
Operating Temperature	Withstands exposure to temperatures from -40° F to 360° F (-40° to 160° C)
Application	-35°C to 85°C (-31°F to 185°F) 241 Bar Water Pressure Washer (3500 PSI Water Pressure Washer)
Shock and Vibration	MIL STD 810-G
Washing resistance	Tolerates industrial washing with standard solvents. It should be tested in final application.

<b>SmartX Part Number</b>	SMTX12715M
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\*Read ranges are theoretical values that are calculated for non-reflective environment, in where antennas with optimum directivity are used with maximum allowed operating power. Different surface materials may have an effect on performance.

For additional information and technical support contact SmartX Technology Inc.

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