

SMTX SERIES

SMTX 4405™

SMTX 4405 is the product of response to customer demand for cost effective and versatile for a wide range of applications from product authentication and IT asset tracking, to global tracking of assets shipped and anti-counterfeiting of high value items and medical assets. The tags are designed to fit into small gaps and meet the identification requirements of metallic assets. The robust design protects the industrial PU printing (non-yellowing polyurethane) against chemical attacks of general and abrasive cleaning products (anti-scratch). The small stature of this tag makes it ideal for a broad range of data center, healthcare, and offices asset management applications.



Overview

A small form factor makes this small product a real All-Around indoor asset tag and enables new possibilities in ICT and electronics tracking. The tagging of servers allows data-center managers to track the hardware throughout its life-cycle. Other benefits include a more efficient use of resources—such as facilitating a switch to more efficient hardware when it becomes available, as well as deactivating less efficient hardware—faster and more accurate inventories and automated security routines. This special long-form, rugged tag features an impressive 1.5 meters read range when mounted on metal assets and carries up to a 10-year life expectancy.



Features & Benefits

- Performs reliably on and off metal
- It is well suited for attachment to small spaces commonly found on servers and electronics
- 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
- Supplied with high strength adhesive
- 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

- Data center environments
- Facility management - Electronics and Smart phones
- Medical equipments
- Equipment and tools Rental
- Returnables containers including metallic cylinders
- Industrial Assets

Applications

Ideally for applications on which the suitable tag size is particularly limited, for example applications involving different kinds of IT and enterprise assets, valuable items or tools.

Specifications

Physical	
Use Case	Both metallic and non-metallic Assets
Dimensions	44 x 5 mm (1.73" x .19")
Material	PCB/FR4 Industrial Resin PU, rigid
Attachment	High Performance Acrylic Adhesive specifically for metal and painted metal surfaces

Electrical/RF Typical	
Read Range* RF Protocol	on Metal up to 1.5m (5.9 ft) off Metal up to 1 m (3.9 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

Environmental	
Classification	IP68
Operating Temperature	-40°C to 85°C (-40°F to 185°F)
Application Temperature	-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.

SmartX Part Number	SMTX4405
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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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