Sentry Slim

A quantum leap in the performance of our most popular mount on metal tag.

Sentry Slim Overview

Improvements in RF chip design, and Vizinex's expertise at matching the new chips to highly efficient antennae, is improving the performance and reducing and cost of RFID. The Sentry Slim is the third generation of Vizinex's most successful mount on metal tag. The new generation is exactly the same package as its predecessor, but packs 25% more read range with a price that is the same.

The tag has a low profile, just 2.8mm tall, and a relatively small footprint of 36mm x 11mm. Despite this small package, it provides a read range of 19-21' when mounted on metal objects. This product solves many problems for those needing more read range when tracking assets like IT devices, weapons, tooling, construction equipment and other metal assets. Like all Sentry branded products, it is built on a robust platform that will tolerate repeated exposures to temperatures up to 185° C, vibration, impact and exposure to many chemicals. The tag boasts an IP rating of 68.

Features & Benefits

- Read distances of 19-21 feet when mounted on metal

- Modest footprint of less than 0.60 in2

- Rugged: tolerant of repeated exposure to high temperatures, vibration and impact

Part Number
US: AST1-162-0300
EU: AST1-162-0310

Industries
- Manufacturing
- Government/Military
- Healthcare & medical devices
- Rental

Applications
- Re-usable container tracking
- Medical device management
- Rental asset tracking
- First Responder asset management

Why Vizinex?
- Trusted technology
- Innovative design
- High performance
- Unmatched customer service

❯ The Sentry Platform

Vizinex RFID's Sentry line of high-performance, cost-effective, and application-specific RFID tags are based on a printed circuit board platform. This well-established manufacturing process offers unsurpassed reliability and consistency in read range performance. At the core of the tag is a fiber-reinforced composite material that gives the Sentry tag its innate ruggedness. The innovative, patented tag design enables fast prototyping and affordable customization - essential to the expanding requirements of the RFID industry.

❯ Sentry Slim Specifications

Physical	
Dimensions	36.3mm X 10.9mm X 2.8mm 1.43" x 0.43"x 0.11"
Use Case	On metal
Attachment	High-performance, acrylic adhesive, or site applied epoxy
Weight	1.6 Grams
Electrical/RF	
Typical Read Range	5.8-6.4 Meters 19-21 Feet
Frequency	902-928 MHz or 856-868 MHz
IC Platform	Impinj m750
IC Memory	EPC of 96 bits with 32 bits of user memory
Environmental	
Classification	IP68
Operating Temperature	-50° C to 85° C (-58° F to 185° F)
Temperature Tolerance	-50° C to 185° C (-58° F to 365° F)

Can't find a standard RFID tag that meets your needs?

Vizinex custom RFID tags will fit your dimensional, material, environmental and/or functional requirements EXACTLY – because we design them that way. And we do it with your costs, product design and end customers in mind.

How are we able to design exactly the tag you need? It's not complicated. We do it by talking to you.

Email sales@vizinexrfid.com or call 215-529-9440 to talk about your needs and requirements.