



Sentry Slim II



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

› Sentry Slim II 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 II is the second generation of Vizinex's most successful mount on metal tag. The new generation is exactly the same package as its predecessor, but packs 60% more read range with a price that is 20% lower.

The new 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 15-18' 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 15-18 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: AST1-162-0001

EU: AST1-176-0001

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 II 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	4.5-6 Meters 15-18 Feet
Frequency	902-928 MHz or 856-868 MHz
IC Platform	Impinj R6-P
IC Memory	EPC up to 128 bits, 96 bit TID and up to 64 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.