



Sentry Duo



Extraordinary mounting flexibility in a highly responsive, compact and cost effective RFID tag.

› Sentry Duo Overview

The Sentry Duo is the third generation of Vizinex's highly popular Duo tag. The third generation tag improves read range by 25% with no increase in footprint or price. Unlike many UHF RFID tags, the Duo functions well on both metal and non-metal surfaces, making it a flexible option for tagging all of the assets in your portfolio without concern for the material the tag is mounted on. In addition, the Duo gives you the flexibility to hang the tag, when a flat surface is not available for mounting.

Standard on this tag is our ViziCore construction, which provides a very high level of impact and vibration tolerance. The tag survives repeated exposure to temperatures up to 185° C. The tag is also resistant to a very wide range of chemicals and has an ingress protection rating of 68.

› Features & Benefits

- Read distances of 11-13 feet when mounted on plastic and other non-metal surfaces with read distances of up to 16 feet when mounted on metal.
- Flexibility to mount on any material plus a hanging option.
- Rugged: tolerant of repeated exposure to high temperatures, vibration and impact.

Part Number

US: AST1-160-0300

EU: AST1-160-0310

Industries

- ▶ Data centers
- ▶ Government and military
- ▶ Manufacturing
- ▶ Healthcare

Applications

- ▶ Weapons management
- ▶ Office and hospital asset tracking
- ▶ Rental asset tracking
- ▶ IT asset management

Why Vizinex?

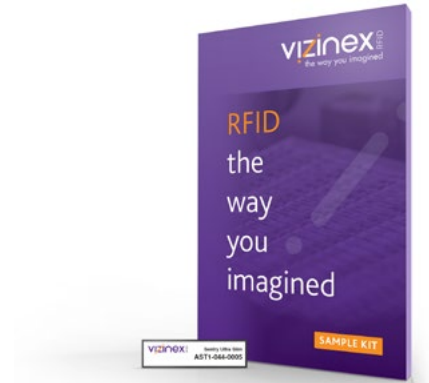
- ▶ Trusted technology
- ▶ Innovative design
- ▶ High performance
- ▶ Unmatched customer service

▶ 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 Duo Specifications

Physical	
Dimensions	36.3mm X 10.9mm X 2.8mm 1.43" x 0.43" x 0.11"
Use Case	All surfaces
Attachment	High-performance, acrylic adhesive, or hanging
Weight	2 Grams
Electrical/RF	
Typical Read Range	On Plastic: 11-13' (3.34m-4m)
	On Metal: 14-16' (4.3m-4.9m)
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)



What can Vizinex RFID do for your company?

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

