



Sentry Duo



Versatile UHF Tag for Direct Mount or Hang Tag Applications

Overview

The Sentry Duo maximizes performance and versatility in one compact, rugged design. When directly mounted to metal or non metal surfaces, it provides average read distances of 7 - 9 feet in US and European frequency bands. When direct mounting is not practical, the Duo has the additional feature of an integrated slot for hanging, providing the most options in a single tag. Like all Sentry models, its core construction provides the durability required for use in many warehouse and manufacturing environments. The Sentry Duo can easily be adapted for applications involving overmolding/overspraying, embedding in metal or composites, or repetitive high temperature exposure such as Autoclave service.

- ▶ For applications in which high temperatures or the potential for high impact are a concern, the Sentry Duo is available with the ViziCore high temperature/high impact upgrade option.

Features & Benefits

- Read range of 7 - 9 feet on metal and non metal surfaces, or as a hang tag
- Standard high performance adhesive for use on widest variety of materials
- Wide band performance for use in the US and European frequency bands
- Additional data storage: 96-bit EPC memory plus 512-bit user memory
- Meets FSTC specifications for use in data centers
- Integrated slot increases options for attachment

Part Number

AST1-045-0001

Industries

- ▶ Financial Services
- ▶ Manufacturing
- ▶ Healthcare
- ▶ Defense

Applications

- ▶ IT Asset management
- ▶ Pallet/Container tracking
- ▶ Laboratory equipment management
- ▶ Retail store equipment
- ▶ Hospital asset management

Why Vizinex?

- ▶ Trusted Technology
- ▶ Innovative Design
- ▶ High Performance

This product is covered under US Patent 8,925,824.

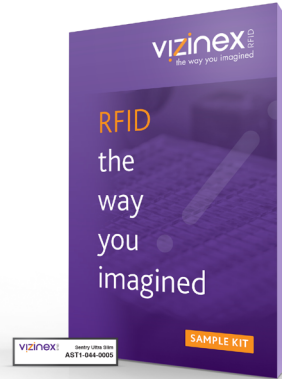
This product is compliant with RoHS Directive 2011/65/EU.

► 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 5.6mm (1.43" x 0.43" x 0.2")
Use Case	On or off metal, hang tag
Attachment	High performance acrylic adhesive, slot for hanging
Weight	3.5 grams
Electrical/RF	
Typical Read Range	7 - 9 feet at 36 dBm ERP
Frequency	902-928 MHz (European and US Frequency Bands)
IC Platform	Alien Technology Higgs3
IC Memory	96 bit EPC 512-bit user memory
Environmental	
Classification	IP67
Operating Temperature	-50°C to +85°C (-58°F to +185°F)
Temperature Tolerance	-50°C to 150°C (-58°F to 302°F)
HT/Hi upgrade	-50°C to 185°C (label maximum temperature is 160°C)



What can Vizinex RFID do for your company?

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



About Vizinex RFID

Vizinex RFID, headquartered in Bethlehem, PA, designs and manufactures RFID tags for diverse asset tracking applications from rugged environments in the oil industry, to medical devices requiring repeated sterilization, to long-range vehicle tracking. With prototyping and manufacturing located in the U.S., our time from concept to delivery is unmatched. Vizinex RFID maintains a tradition of innovation, superior functionality and outstanding customer support, allowing us to deliver RFID ... the way you imagined.