

Sentry Multi-Surface

Trusted Technology
Innovative Design
High Performance



UHF Tag for Material Diverse Environments

Industries

- Financial Services
- Manufacturing
- Healthcare
- Defense

Applications

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

Overview

For environments with a variety of assets, the Sentry Multi-Surface RFID tag provides an average read distance of 6 - 8 feet whether it is attached to metal or non-metal surfaces. This eliminates the need to use multiple models of tags and match them to the type of surface on each asset - reducing errors and the time required for tag installation. With a footprint of 0.6 square inches, the Sentry Multi-Surface uses little real estate making it ideal for tagging assets in data centers and laboratories. Like all Sentry models, its core construction provides the durability required for use in many warehouse and manufacturing environments.

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

Features & Benefits

- Read distances of 6 - 8 feet on metal and non-metal surfaces
- High performance adhesive for use on widest variety of materials
- Durable construction for use in diverse environments
- Additional data storage: 96-bit EPC memory plus 512-bit user memory
- Meets FSTC specifications for use in data centers
- Comparable read performance on diverse surfaces simplifies tag installation

Sentry Multi-Surface 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

- Attachment High Performance acrylic adhesive
- Weight 3.5 grams

Electrical/RF

- Typical Read Range 6 - 8 feet at 36 dBm ERP
- Frequency 902 - 928 MHz
- 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)

Part Number AST1-022-0001

About 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, patent-pending tag design enables fast prototyping and affordable customization - essential to the expanding requirements of the RFID industry.

About Vizinex RFID

Vizinex RFID, headquartered in Allentown, 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.



DARTRONICS, INC.

PACKAGING AUTOMATION SPECIALISTS



150 WILLIAM ST. PERTH AMBOY, NJ 08861 / TOLL FREE: 800-298-8936 / PHONE: 732-324-0800 / FAX: 732-324-4488

[WWW.DARTRONICS.COM](http://www.dartronics.com)

[YOUTUBE / DARTRONICS](#)

THE SINGLE SOURCE FOR YOUR

END - OF - LINE

PACKAGING, MARKING AND CODING NEEDS