

Sentry AST™ Duo

Trusted Technology
Innovative Design
High Performance



Versatile UHF Tag for Direct Mount or Hang Tag Applications

Industries

- Financial Services
- Manufacturing
- Healthcare
- Defense

Applications

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

Overview

The Sentry AST™ 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 2 meters 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 AST™ models, its core construction provides the durability required for use in many warehouse and manufacturing environments.

Features & Benefits

- Read distances of 2 meters on metal and non-metal surfaces, or has a hang tag
- 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



Sentry AST™ Models

- Ultra Slim
- Slim
- Metal
- Cable
- Worldwide
- Multi-Surface
- Duo
- Autoclave
- Extreme
- High Temp
- MidRange
- Down Hole
- Long Range

Sentry AST 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 applications, hang tag
• Attachment	High performance, acrylic adhesive, slot for hanging
• Weight	3.5 grams

Electrical/RF

• Typical Read Range	2 meters at 36 dBm ERP
• Frequency	860 – 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)
• Steel Ball Drop Test	18" drop with 1" diameter steel ball

Part Number	AST1-045-0001
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About the Sentry AST™ Platform

Vizinex RFID's Sentry AST™ 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 AST 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.

To order your
Sentry AST sample kit
or for more information
about Vizinex RFID,
contact us at sales@
vizinexRFID.com
or 215.529.9440.