# vizinex RFID
### the way you imagined

MADE IN THE
USA

# XLR



## Part Number
**AST1-190-0300**

## Industries
▶ **Military/Defense**
▶ **Transportation**
▶ **Aerospace/Marine**
▶ **Automotive**
▶ **Heavy machinery**

### Passive UHF Extended Range tag in a Sleek and **Durable Package**

## ❯ Overview

For long-range asset identification, the XLR RFID tag provides exceptional read distances in a sleek, compact, and durable package. Engineered for use on a wide range of surfaces including metal, wood, and most plastics, the XLR tag has been designed for outdoor and industrial environments and can withstand repeated exposure to vibration, weather elements, salt sprays, and other demanding conditions. The XLR offers over 100' of read range on metal and over 65' on other surfaces. The XLR tag is a cost-effective alternative to active tags for applications including military asset tracking, cargo and container tracking, construction equipment, yard and fleet management, and pallet tracking. The XLR provides excellent response in both the US and ETSI frequency bands, so it can be used to tag assets that travel all over the world.

## Applications
▶ **Military asset tracking**
▶ **Yard/Fleet management**
▶ **Cargo and container tracking**
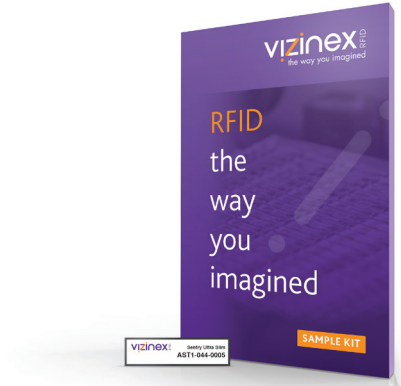▶ **Pallet tracking**

## Why Vizinex?
▶ **Trusted Technology**
▶ **Innovative Design**
▶ **High Performance**
▶ **Unmatched Customer Service**

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

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

## ❯ Features & Benefits

▶ Extended read range of over 100' on metal

▶ Compact size: smaller than any comparable performance tag

▶ Industrial design withstands repeated exposure to vibration, temperature extremes, mechanical shock, and salt sprays

▶ Cost-effective long-range tracking compared with active tags

▶ Efficient and reliable tracking of assets during transportation or in a large yard

▶ Vizinex's Service Bureau can add a barcode label and encoding.

## ❯ XLR Specifications

| Physical | |
|---|---|
| Dimensions | 5.28" x 1.7" x 0.5" (134mm x 42mm x 14mm) |
| Use Case | On or off metal |
| Attachment | Screw/Rivet, High performance acrylic adhesive option |
| Encasement | Polycarbonate/ABS blend |

| Electrical/RF | | | |
|---|---|---|---|
| Read Range | US | 100' (30m+) on metal | |
| | | 65' ( 20m) off metal | |
| | ETSI | 75' (23m+) on metal | |
| | | 50' ( 15m) off metal | |
| Frequency | 865 – 928 MHz (Worldwide) | | |
| IC Platform | Impinj m750 | | |
| IC Memory | 96 bit EPC plus 32 bit user memory | | |

| Environmental | |
|---|---|
| Ingress Protection | IP68 |
| Operating Temperature | -50°C to +85°C (-58°F to +185°F) |
| Shock Vibration | MIL STD 810-F and BS EN 60068-2 |
| Temperature Tolerance | -50°C to 100°C (-58°F to 212°F) |

### Can't find a standard 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 business process and costs in mind.

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