



XLR



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.

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.

Part Number

AST1-190-0300

Industries

- ▶ Military/Defense
- ▶ Transportation
- ▶ Aerospace/Marine
- ▶ Automotive
- ▶ Heavy machinery

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.

➤ 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.

