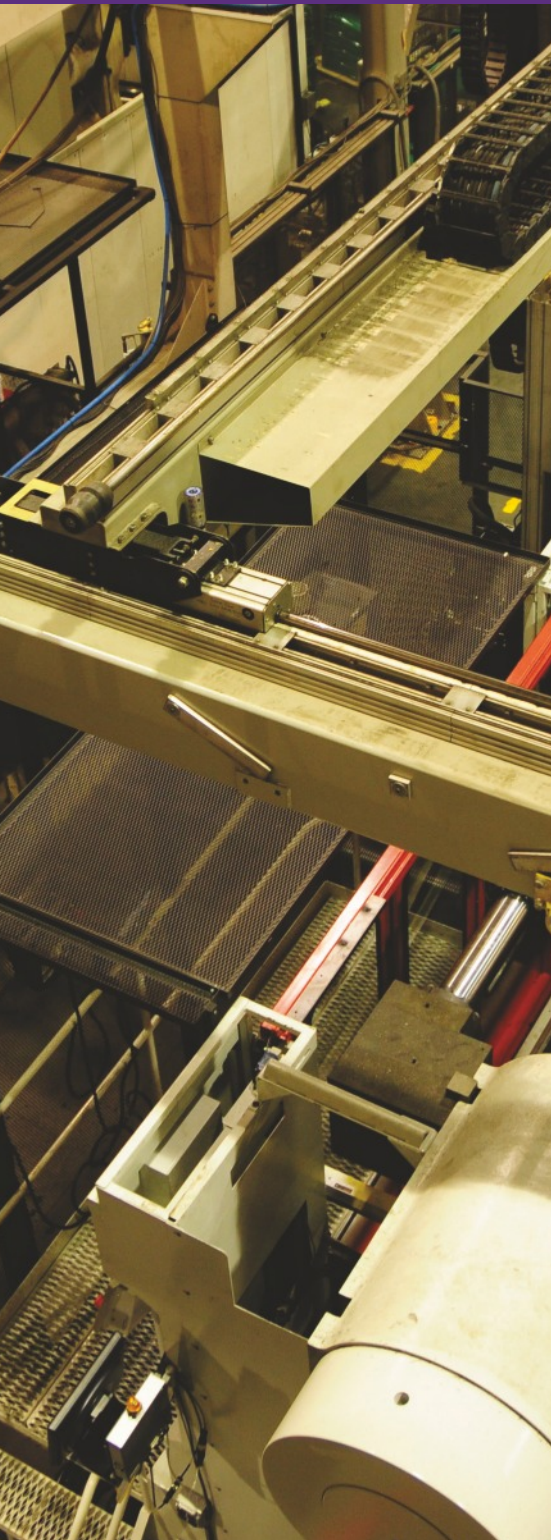




ALLIED SERIES

VX-Mid™

A high performance, mid-range, mount on metal UHF RFID tag engineered for demanding environments. Designed specifically with the industrial user in mind, the VX-Mid™ combines Vizinex RFID's exclusive ViziCore™ RFID tag technology with Xtreme RFID's proprietary plastic injection molding process. The small form factor, long read range, multiple attachment options and industry-leading durability of this tag make it ideal for a broad range of industrial, transportation and asset management applications.



Overview

The VX-Mid™ is the first in the new Allied Series of RFID tags being introduced in response to customer demand for highly rugged tags that can be used in harsh and industrial environments. The result of a joint development effort between engineers at Xtreme and Vizinex, the VX-Mid's permanently bonded polypropylene encapsulation prevents water or chemical ingress and provides the ViziCore™ RFID core added physical protection. This compact, rugged tag features an impressive 25+ foot read range when mounted on metal assets and carries a 10 year life expectancy.



Features & Benefits

- Read distances over 25 feet when mounted on metal
- Small footprint at 1.1" x 2.3", providing excellent performance-to-size ratio
- Customizable with clear resin and labels with human readable numbers
- Ruggedized encapsulation ensures tag durability and longevity, with industry's highest ingress protection rating of 68
- Multiple attachment methods: manufactured with two holes to screw securely into place, supplied with high strength adhesive, or supplied with an optional weld plate

Industries

- Oil & Gas
- Yard Management
- Returnable Transport Items
- Equipment Rental
- Manufacturing
- Construction
- Mining
- Agricultural Equipment

Applications

Ideally suited for environments and applications where an extended read range is required and exposure to chemicals, mechanical abuse/vibration and temperature/weather extremes are common concerns.

Specifications

Physical

Use Case	On metal
Dimensions	27.9 x 58.4 mm (1.1" x 2.3")
Encapsulation Material	Polypropylene, rigid
Attachment	2 screws or rivets; 3M high strength VHB adhesive

Electrical/RF

Typical Read Range	25 feet
RF Protocol	UHF, EPC Class 1 Gen 2, ISO 18000-6C
Operating Frequency	902 - 928 MHz (U.S. Band)
IC Platform	Alien Technology Higgs3
IC Memory	96 bit EPC

Environmental

Classification	IP68
Operating Temperature	-40C to 85C (-40°F to 185°F)
Application Temperature	-40C to 160C (-40°F to 320°F)
Pressure Test	241 Bar Water Pressure Washer (3500 PSI Water Pressure Washer)
Steel Ball Drop Test	1.8 kg ball drop from 1.52 meters 5 times (4 lb ball drop from 5 feet 5 times)
Maximum (Calculated) Water Submersion Depth:	4.0 km (2.5 miles)

Xtreme Part Number	RF015
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