



Linxens UHF Inlays for Automatic Vehicle Identification

Highly reliable solution for AVI applications

Linxens Ultra High Frequency (UHF) Inlays for Automatic Vehicle Identification (AVI) are a highly secure, reliable and cost effective solution for all AVI applications.


Leveraging a RFID system with Linxens inlays enable government agencies, toll road operators or access control providers to automatically identify vehicles for registration, toll collection or access control in a seamless way.

Our products are based on the latest, state-of-the-art UHF chip components available on the market. They have been developed for robust reading and writing performance in global standard UHF bands (860-960MHz), and are suited for use in harsh environment, over long distances or on difficult materials such as plastic or glass.

Linxens UHF inlays are **'Made In Germany'** and are listed by the European EPC Competence Center (EECC) as one of the **'Best Products'** on the market.


Production sites are certified with **ISO 9001:2015** Quality Management System and **ISO 14001:2015** Environmental Management System standards.


Typical Product Designs

Antenna designs	 TITANIUM	 STEEL
Antenna size*	24 x 94 mm	10 x 70 mm
IC Family	NXP UCODE 8 / 7xm / DNA Impinj Monza R6-P	NXP UCODE 8 / 7xm / DNA Impinj Monza R6-P
Delivery form	Single row on reel for all products	Single row on reel for all products
Ideal for	Very challenging environments, long distances with many reads at the same time	Very challenging environments with medium distances, many reads at the same time, and smaller form requirement than Titanium
Estimated read range**	[5 - 15m]	[2 - 10m]

*Other antenna sizes are available upon request.

**Indicative figures only; read range varies on various factors such as readers and environment.

 **RFID**



Overview

Operating Frequency

- 860-960 MHz

International Standards

- ISO 18000-6C

Delivery Formats

- Dry Inlay
- Wet Inlay

Product Structure

- Aluminum antennas on PET substrate with 'flip-chip' mounted IC

Application Area

- Electronic Toll Collection
- 3rd License Plate
- Border Control
- Speed Control
- Secure Access Control, and many more...

Key Benefits

- Security enhancement
- Fraud prevention
- Reliable identification
- Efficient road traffic management
- Increased revenue generation
- Tamper-proof inlays
- Cost effective solution
- Passive inlays: no battery needed