

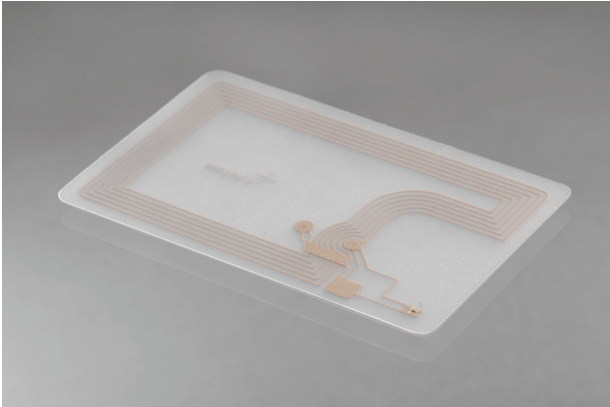


**LINXENS**

CONNECTING YOU TO SUCCESS

# CLEARLAM

Additional Security, Proven Quality



The LINXENS CLEARLAM is a transparent prelaminate which addresses card manufacturers' need for a transparent or semi-transparent card. Manufactured on transparent PVC, PC or PET-G, antenna structures and chip remain visible as compared to standard prelaminate.

This characteristic becomes particularly valuable if it is combined with built-in security features. The LINXENS CLEARLAM offers the possibility to print a logo or security mark on the antenna layer. This ensures that the logo or security mark cannot be removed without destroying the card – resulting in increased security.

The LINXENS CLEARLAM is based on the company's proven manufacturing technologies for prelaminate. In terms of chip technology, LINXENS draws upon its internal chip processing and module packaging capabilities.

Due to its high quality, proven reliability, and the optional security features, the LINXENS CLEARLAM is suited for access control, automated fare collection, and contactless payment applications.

## Overview

### Operating Frequency

13.56 MHz  
860-960 MHz

### Operating Temperature

-25°C to +50°C

### Material

PVC, PC, PET-G

## International Standards

- ISO 14443
- ISO 15693
- ISO 18000-6C

## Application Area

- Access Control
- Automated Fare Collection
- Contactless Payment

## Options

- Initialization / customized programming of data
- Printing of security features on antenna layer



# CLEARLAM

## Additional Security, Proven Quality

Operating Frequency	Dimensions	Thickness*	Operating Temperature	Available IC
<b>13.56 MHz</b>	From 3 x 6 up Max. 580 x 705 mm	400 $\mu\text{m} \pm 30 \mu\text{m}$ 300 $\mu\text{m} \pm 30 \mu\text{m}$	-25°C to +50°C	Infineon Inside Legic NXP Samsung Sony STMicroelectronics
<b>860 - 960 MHz</b>	From 3 x 6 up Max. 580 x 705 mm	400 $\mu\text{m} \pm 30 \mu\text{m}$ 300 $\mu\text{m} \pm 30 \mu\text{m}$	-25°C to +50°C	Impinj NXP

Other thicknesses are available upon request.  
Other chip types are available upon request.