



# UHF Inlays and Tags







## The perfect products for your application

Linxens Ultra High Frequency (UHF) Inlay and Tag portfolio covers a wide range of accepted antenna sizes for a large variety of applications offering market-leading performance and fit-for-function designs.

Our products are based on the newest UHF Chip components available on the market. They have been developed for a state-of-the-art robust reading and writing performance in all globally standardized UHF bands (860-960MHz) even when used within a harsh environment or on difficult materials such as plastic or glass.

Linxens UHF Inlays are Made in Germany.

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

Antenna	Antenna size	IC family	Delivery form
 <b>TITANIUM</b>	24 x 94	NXP UCODE 8 / 8m / 7xm Impinj Monza R6-P / R6	Wet inlay - single row on reel (pitch 30mm, die cut size 27 x 97mm) Dry naked inlay - single row on reel (pitch 30mm)
 <b>STEEL</b>	10 x 70	NXP UCODE 8 / 8m / 7xm Impinj Monza R6-P / R6	Wet inlay - single row on reel (pitch 20mm, die cut size 13 x 73mm) Dry naked inlay - single row on reel (pitch 20mm)
 <b>SILVER</b>	8 x 93	NXP UCODE 8 / 8m Impinj Monza R6-P / R6	Wet inlay - single row on reel (pitch 15mm, die cut size 11 x 96mm) Dry naked inlay - single row on reel (pitch 15mm)
 <b>CHROME</b>	50 x 30	NXP UCODE 8 / 8m Impinj Monza R6-P / R6	Wet inlay - single row on reel (pitch 60mm, die cut size 53 x 33mm) Dry naked inlay - single row on reel (pitch 60mm)
 <b>COBALT</b>	16 x 41	NXP UCODE 8 / 8m	Wet inlay - single row on reel (pitch 22mm, die cut size 19 x 44mm) Dry naked inlay - single row on reel (pitch 22mm)
 <b>MERCURY</b>	10 x 22	Monza R6-P / R6	Wet inlay - single row on reel (pitch 17mm, die cut size 13 x 25mm) Dry naked inlay - single row on reel (pitch 17mm)

Other antenna sizes upon request.


RFID



**Overview**

**Operating Frequency**  
 • 860-960 MHz

**International Standards**  
 • ISO 18000-6C

**Delivery Formats**  
 • Dry Inlay  
 • Wet Inlay

**Application Area**  
 • Industry  
 • Automotive  
 • Medical care  
 • Logistics  
 • Retail  
 • Hospitality, Leisure & Entertainment  
 • ... and many more



# HF Inlays and Tags

## Products that best fit your requirements

Linxens High Frequency (HF) Inlay and Tag portfolio covers a wide range of antenna sizes and protocols offering great application flexibility and fit-for-function designs for demanding applications.

ISO-compliant 13.65MHz HF RFID technology is globally proven and accepted for a large number of vertical markets. It is a perfect fit for access control, public transport and for industrial applications such as asset tracking and many more...

Our RFID Inlay and Tag products offer a robust performance even when used within a challenging environment or on difficult materials such as liquids.

Linxens HF Inlays are Made in Germany.

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

Antenna	Antenna size	IC family
	Class 1 (ID1) app. 75mm x 46mm	NXP MIFARE family (e.g. Ultralight, DESFire) NXP ICODE family (e.g. SLI, SLIX) NXP NTAG family Sony FeliCa RC-S966 Series Infineon CIPURSE move family EM Marin (e.g. EM 4233/4237) TI Tag-it HF-I Plus
	Class 2 45mm x 45mm	NXP MIFARE family (e.g. Ultralight, DESFire) NXP ICODE family (e.g. SLI, SLIX) NXP NTAG family TI Tag-it HF-I Plus
	Class 2 (ID½) app. 72mm x 22mm	NXP MIFARE family (e.g. Ultralight, DESFire) NXP ICODE family (e.g. SLI, SLIX) NXP NTAG family
	Class 3 Ø 35mm	NXP MIFARE family (e.g. Ultralight, DESFire) NXP ICODE family (e.g. SLI, SLIX) NXP NTAG family TI Tag-it HF-I Plus
	Class 6 Ø 24mm	Selected NXP MIFARE ICs (e.g. Ultralight) NXP NTAG family NXP ICODE family (e.g. SLI, SLIX) TI Tag-it HF-I Plus
	Class 5 app. 22.5mm x 38mm	NXP NTAG family TI Tag-it HF-I Plus

Other antenna sizes upon request.

RFID

**Overview**

**Operating Frequency**  
 • 13.56 MHz

**International Standards**

• ISO 14443  
 • ISO 15693  
 • ISO 18000-3, Mode 1

**Application Area**

• Medical care  
 • Industry  
 • Product Authentication  
 • Hospitality, Leisure & Entertainment  
 • Transport  
 • Access Control  
 • ... and many more