UHF RFID · 860–960 MHZ · AUTHENTICATION INLAY

ID-1275-DNA

A compact UHF inlay with extra memory for authentication data, to verify genuine products.

DNA chip | Authentication memory | EPC Gen2 / 18000-6C | 865–868 MHz covered | Up to 6 m read range

Check that a product is genuine.

The **Identium ID-1275-DNA** is a compact UHF wet inlay on the DNA chip. Beside the EPC it holds extra memory for authentication data, so your verification app can confirm that a tag, and the product it is on, is genuine as well as counting it.

It works to EPC Gen2 / ISO 18000-6C across 860–960 MHz, covering India's 865–868 MHz band, and reads at up to 6 m depending on reader and surroundings. The thin, flexible substrate suits cartons, hang tags and certificates.



6 m	DNA	Gen2	860–960	865–868
Read range, up to	Authentication chip	EPC / ISO 18000-6C	MHz operating range	MHz, India UHF band

WHAT IT DOES

Identify, verify and protect

IDENTIFY
EPC for the serial number

- EPC Gen2 / ISO 18000-6C
- 860–960 MHz, covers 865–868 MHz
- Up to 6 m, antenna dependent
- Any standard UHF reader

VERIFY
Authentication memory

- Extra memory beside the EPC
- Holds authentication data
- Checked by your verify app
- Genuine, as well as counted

APPLY
Compact, flexible inlay

- Paper, board or plastic
- Cartons, hang tags, certificates
- Under a printed over-label
- Printed and serialised to order

WHERE IT WORKS

Where it is used

Brand protection
Premium apparel and footwear

Secure packaging
Anti-counterfeit packaging

Pharma packs
Secondary packaging

Genuine parts
Automotive and machinery spares

Electronics
Electronics cartons

Certificates
Handicrafts, art, collectibles

HOW IT WORKS

From a tagged product to a genuine check

Your products
Cartons, hang tags, spare-part packs and certificates

ID-1275-DNA
UHF AUTHENTICATION INLAY
- Holds the serial number in the EPC
- Keeps authentication data on-chip
- Answers Gen2 readers at 865–868 MHz
- Reads at up to 6 m, antenna dependent
- Sits under a printed over-label

UHF reader
Any standard UHF reader reads the EPC on India's 865–868 MHz band

Verify app
Reads and checks the authentication data to confirm it is genuine

Plan the data model first
EPC for the serial, extra memory for the authentication data; keep key and serial records under access control.

WHY THE ID-1275-DNA

Tracking and authentication in one tag

Authentication memory
The DNA chip adds memory for authentication data alongside the EPC, so an app can check that a product is genuine.

Verify, as well as count
The same tag carries the serial number for stock counts and the data your verification app checks.

Up to 6 m read range
Rated at up to 6 m; the reader antenna, transmit power and surroundings set the figure.

Tamper-evident placement
Cover the inlay with a printed over-label, so any attempt to peel it away shows.

Printed and serialised
Custom printing, serialisation and pre-encoded item numbers can be requested with your quotation.

Compact and flexible
A thin, flexible inlay for paper, board and plastic: cartons, hang tags and certificates of authenticity.

Standard UHF readers
EPC Gen2 / ISO 18000-6C across 860–960 MHz: any standard UHF reader set to India's band reads the EPC.

Samples to prove the chain
Test sample tags through encoding, reading and verification before encoding a production run.

CHIP AND MEMORY

Air interface and memory

PARAMETER	ID-1275-DNA	NOTES
Chip	Impinj Monza DNA	Authentication-capable UHF chip
Air interface	EPC Gen2 / ISO 18000-6C	Standard UHF readers and printers
Frequency	860–960 MHz	Covers India's 865–868 MHz band
EPC memory	Serial number	Read by any standard UHF reader
Extra memory	Authentication data	Written with an encoder that writes this area
Read range	Up to 6 m	Depends on reader, antenna and environment

Impinj and Monza are trademarks of Impinj, Inc.

AT A GLANCE

- DNA-chip UHF inlay with memory for authentication data
- Up to 6 m read range, depending on reader and surroundings
- Made for paper, board and plastic packaging

SUPPLIED AS

- ID-1275-DNA compact UHF wet inlays / labels
- Printed, serialised and pre-encoded on request
- Samples to test the verification chain

ORDERING

ID-1275-DNA — UHF wet inlay / label, DNA chip, EPC plus authentication memory.

SPECIFICATIONS

Technical data

RF AND CHIP	
Frequency	860–960 MHz (covers India's 865–868 MHz)
Protocol	EPC Gen2 / ISO 18000-6C
Chip	Impinj Monza DNA
Memory	EPC plus extra memory for authentication data
Read range	Up to 6 m; depends on reader, antenna and environment

INLAY	
Form factor	Compact UHF wet inlay / label
Material	Thin, flexible substrate
Surfaces	Paper, board and plastic

ENCODING AND READING	
Readers	Standard UHF RFID readers and printers
Verification	Your app reads and checks the authentication data

PRODUCT VIEWS

The UHF inlay



Prove the chain on samples.

Ask for a quotation and samples, and tell us what you are protecting, your serial numbering and how your verification app will check the tags.

www.indiarfidstore.com
marketing@indiarfidstore.com
+91 70110 01472

Read range depends on the card or tag, its size and the environment. Specifications are indicative and may change without notice; confirm details for your order in the quotation.