UHF RFID · 860–960 MHZ · INLAY, LABEL OR STICKER

ID-2044

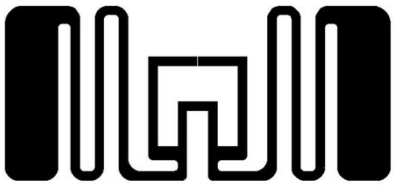
One UHF tag design in three formats: bare inlay, printable label or peel-and-stick sticker.

Gen2 UHF chip | ISO 18000-6C | 865–868 MHz India | Up to 6 m read range | Inlay, label, sticker

One tag, three formats to choose from.

The **Identium ID-2044** is a UHF RFID tag on an EPC Gen2 / ISO 18000-6C chip, sold as a bare inlay, a printable label or a peel-and-stick sticker. It answers across 860–960 MHz, covering India's 865–868 MHz band.

Converters laminate the inlay into their own stock, labelling desks print and encode the label on a UHF RFID printer, and stores stick the sticker by hand. On cartons, bins and other non-metal items it reads at up to 6 m, depending on reader, antenna and environment.



6 m	3	865–868	860–960	18000-6C
Read range, up to	Formats to choose from	MHz, India UHF band	MHz response	ISO protocol, EPC Gen2

WHAT IT DOES

Read, choose the format, encode

READ
Gen2 UHF chip

- EPC Gen2 / ISO 18000-6C
- 860–960 MHz, India band covered
- Up to 6 m, reader-dependent
- Standard UHF readers

CHOOSE
Inlay, label or sticker

- Bare inlay for converters
- Label for RFID printers
- Sticker for hand application
- Thin, flexible substrate

ENCODE
Write your EPC

- Print and encode in one pass
- Or encode with a desktop reader
- Barcode and text on the label
- Retro-tag stock on the shelf

WHERE IT WORKS

Where the tag goes

Print and encode
Labels from RFID printers

Shipper cartons
Carton and case tagging

Bins and crates
Plastic bins and crates

Converter stock
Inlays for your own labels

Non-metal assets
Plastic, card and wood items

Retro-tagging
Stock already on the shelf

HOW IT WORKS

From a tagged item to your software

Your items
Cartons, plastic bins, crates and other non-metal items

→

ID-2044
UHF INLAY, LABEL OR STICKER
- Holds your EPC in the Gen2 chip
- Carries a printed barcode (label)
- Answers readers at 865–868 MHz
- Read in bulk, no line of sight
- Bends to flat or curved surfaces

→

UHF reader
Fixed or handheld Gen2 reader on the India band; up to 6 m

→

Your software
Inventory, dispatch, asset register or your own system

Print and encode in-house
Our RFID printers print the label and write the EPC in one pass; a desktop UHF reader encodes stickers in batches.

WHY THE ID-2044

One tag design, three workflows

Three formats, one tag
Bare inlay, printable label or peel-and-stick sticker: the same tag design whether you convert, print or apply by hand.

Inlays for converters
Chip and antenna, for converters and packaging firms that laminate it into their own face stock or swing tags.

Labels for RFID printers
Print a barcode and text and write the EPC in one pass on a standard UHF RFID printer at the dispatch desk.

Stickers for quick tagging
Peel and apply for small batches or to retro-tag stock already on the shelf, encoded with a desktop reader.

Up to 6 m read range
Up to 6 m with a suitable UHF reader and antenna; the reader, antenna and environment set the exact figure.

India band covered
Responds across 860–960 MHz, so standard EPC Gen2 readers set to India's 865–868 MHz band read it.

Flat or curved surfaces
A thin, flexible substrate follows flat or curved cartons, bins and crates.

A matching on-metal range
For tools, IT equipment and steel assets choose our on-metal UHF tags; for bottles, our anti-liquid UHF labels.

CHIP AND MEMORY

Air interface and chip

PARAMETER	ID-2044	NOTES
Chip	Impinj UHF chip	Read and written over EPC Gen2
Air interface	EPC Gen2 / ISO 18000-6C	Standard UHF RFID readers
Frequency	860–960 MHz	Covers India's 865–868 MHz band
Read range	Up to 6 m	Depends on reader, antenna and environment
Formats	Inlay, label or sticker	Same tag design in each

Impinj is a trademark of Impinj, Inc.

AT A GLANCE
- Bare inlay, printable label or peel-and-stick sticker
- Up to 6 m, depending on reader, antenna and environment
- Made for cartons, bins, crates and other non-metal items

SUPPLIED AS
- Bare inlay: chip and antenna, for your own converting
- Label: for print-and-encode on a UHF RFID printer
- Sticker: ready to peel and apply by hand

ORDERING

ID-2044	UHF RFID tag, Gen2 chip, up to 6 m; state inlay, label or sticker and the quantity.

SPECIFICATIONS

Technical data

RF AND CHIP	
Chip	Impinj UHF
Protocol	EPC Gen2 / ISO 18000-6C
Frequency	860–960 MHz (covers India 865–868 MHz)
Read range	Up to 6 m; depends on reader, antenna and environment

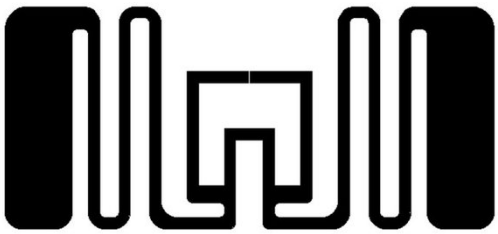
ORDERING	
Model code	ID-2044-IMPINJ
Formats	Inlay, label or sticker

TAG	
Form factor	Bare inlay, label or sticker
Substrate	Thin, flexible
Mounting	Flat or curved non-metal surfaces

ENCODING AND READING	
Printing	Standard UHF RFID printers (label format)
Encoding	RFID printer or desktop UHF reader
Readers	Standard EPC Gen2 UHF readers

PRODUCT VIEWS

The UHF inlay antenna



Try the format that suits your line.

Ask for a quotation with the quantity and the format (inlay, label or sticker), and tell us what you are tagging and how you will print or encode it.

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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.