UHF RFID · 860–960 MHZ · INLAY TAG

ID-1142-R6

A compact UHF inlay with an R6 chip for garments, cartons and non-metal assets.

R6 chip | EPC Gen2 / 18000-6C | 860–960 MHz | Up to 6 m read range | Thin, flexible inlay

One unique ID on every item.

The **Identium ID-1142-R6** is a compact UHF RFID inlay built on the R6 chip, for putting one unique, readable ID on every garment, box or non-metal asset. It works to EPC Gen2 / ISO 18000-6C across 860–960 MHz, covering India's 865–868 MHz band.

It reads at up to 6 m depending on the reader, antenna and surroundings. Slip it inside a hang tag or price ticket so a handheld counts a whole rail without line of sight, or stick it on paper, board or plastic for goods-in and dispatch checks.



6 m	R6	Gen2	860–960	865–868
Read range, up to	UHF chip	EPC Gen2 / ISO 18000-6C	MHz response	MHz, India UHF band

WHAT IT DOES

Read, stick and encode

READ
R6 chip, item-level ID

- EPC Gen2 / ISO 18000-6C
- 860–960 MHz, India band included
- Up to 6 m, reader-dependent
- Reads without line of sight

STICK
Thin, flexible inlay

- Inside hang tags and tickets
- On paper, board and plastic
- Flat or curved surfaces
- Clean, dry, non-metal faces

ENCODE
A unique EPC per tag

- UHF RFID printers
- Desktop encoders
- Text or barcode on the face
- Pre-encoded to order

WHERE IT WORKS

Where the tag goes

Apparel hang tags
Hang tags and price tickets

Retail items
Item-level retail tagging

Footwear
Shoe boxes and footwear

Cartons
Goods-in and dispatch checks

Totes and bins
Reusable totes and bins

Non-metal assets
Furniture, files, equipment

HOW IT WORKS

From a tagged item to your stock records

Your items
Garments, footwear, cartons, totes and non-metal office assets

ID-1142-R6
COMPACT UHF INLAY TAG, R6 CHIP
- Holds a unique EPC per item
- Reads without line of sight
- Answers Gen2 readers at 865–868 MHz
- Reads at up to 6 m
- Same spot on every item

UHF reader
Handheld for rail counts, counter or portal reader, on 865–868 MHz

Your software
Retail stock, warehouse or asset software

Encode in-house
Pair the tag with one of our UHF desktop readers or an RFID printer to write the EPC and print the face.

WHY THE ID-1142-R6

A general-purpose item-level tag

One unique ID per item
Every garment, box or asset carries its own EPC, so each item is identified individually.

Up to 6 m
Rated up to 6 m; reader power, antenna gain, tag orientation and the item set the working range.

Counts a whole rail
Inside a hang tag or price ticket, a handheld reads a full rail of garments without line of sight.

Works on India's band
Responds across 860–960 MHz, including 865–868 MHz; set your Gen2 reader to the India band.

Encode and print in one pass
A UHF RFID printer writes the EPC and prints text or a barcode together.

Encoded or printed to order
Pre-encoding and custom printing can be requested with your quotation.

Steady reads by position
Keep the tag in the same spot on every item so counter and portal readers see it the same way.

Partners for metal and liquids
For metal assets choose our on-metal UHF tags; for bottles, our anti-liquid UHF labels.

CHIP AND MEMORY

Air interface and memory

PARAMETER	ID-1142-R6	NOTES
Chip	Impinj Monza R6	Read and written over EPC Gen2
Air interface	EPC Gen2 / ISO 18000-6C	Standard Gen2 UHF readers
Frequency	860–960 MHz	Covers India's 865–868 MHz band
Read range	Up to 6 m	Depends on reader, antenna and environment

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AT A GLANCE
- R6 chip, EPC Gen2 / ISO 18000-6C
- Up to 6 m, depending on reader, antenna and environment
- Made for garments, cartons and non-metal assets

SUPPLIED AS
- Compact UHF inlay tags, ID-1142-R6
- Blank, pre-encoded or custom printed, to order
- Give the quantity and any encoding or printing with your quotation request

ORDERING

ID-1142-R6	UHF RFID tag, R6 chip, EPC Gen2, up to 6 m, compact flexible inlay / label.

SPECIFICATIONS

Technical data

RF AND CHIP	
Chip	Impinj Monza R6
Frequency	860–960 MHz (covers India's 865–868 MHz band)
Protocol	EPC Gen2 / ISO 18000-6C
Read range	Up to 6 m; depends on reader, antenna and environment

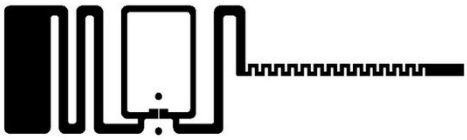
SUPPLY	
Options	Blank, pre-encoded or custom printed, to order

TAG	
Model	ID-1142-R6
Form factor	Compact UHF inlay / label
Material	Thin, flexible substrate
Mounting	Flat or curved non-metal surfaces

ENCODING AND READING	
Encoding	UHF RFID printer-encoder or desktop UHF reader
Readers	Standard EPC Gen2 UHF readers set to 865–868 MHz

PRODUCT VIEWS

The UHF inlay antenna



Tag a sample of your items.

Ask for a quotation with the quantity, what you are tagging and whether you need the tags blank, pre-encoded or printed.

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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.