UHF RFID · 860–960 MHZ · INLAY TAG

ID-2539-R6

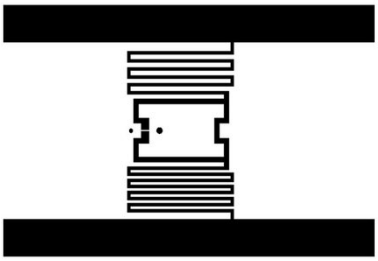
A UHF inlay with an R6 chip that gives every product box its own serial number.

R6 chip | 96-bit EPC | EPC Gen2 / 18000-6C | 860–960 MHz | Up to 6 m read range

A serial number on every box.

The **Identium ID-2539-R6** is a UHF RFID inlay tag on the R6 chip for manufacturers and distributors who want every product box to carry its own serial number. It works to EPC Gen2 / ISO 18000-6C across 860–960 MHz, covering India's 865–868 MHz band.

The 96-bit EPC takes a GS1 SGTIN-96, product code plus unique serial. UHF passes through cardboard and plastic, so the tag sits on or inside the box and reads at up to 6 m, depending on reader, antenna and environment, without opening the carton.



6 m	R6	96-bit	860–960	865–868
Read range, up to	UHF chip	EPC, fits SGTIN-96	MHz response	MHz, India UHF band

WHAT IT DOES

Read, place and serialise

READ
R6 chip, 96-bit EPC

- EPC Gen2 / ISO 18000-6C
- 860–960 MHz, India band included
- Up to 6 m, reader-dependent
- Reads through card and plastic

PLACE
On or inside the box

- Same panel on every box
- Panel away from metal parts
- Or lifted on a foam spacer
- Thin, flexible substrate

SERIALISE
A unique serial per box

- GS1 SGTIN-96 fits the EPC
- EPC Gen2 printers
- Desktop encoders
- Pre-encoded to order

WHERE IT WORKS

Where the tag goes

Boxed electronics
Electronics in retail boxes

Small appliances
Small appliance cartons

Footwear boxes
Shoe boxes, serialised

Packing lines
Serialised as boxes are sealed

Dispatch checks
Master cartons checked whole

Store receiving
Deliveries checked in one read

HOW IT WORKS

From the packing line to the store shelf

Your items
Boxed electronics, appliances and footwear on the packing line

ID-2539-R6
UHF INLAY TAG, R6 CHIP, 96-BIT EPC
- Holds a unique SGTIN-96 serial
- Reads through cardboard and plastic
- Answers Gen2 readers at 865–868 MHz
- Reads at up to 6 m
- Checked at dispatch and receiving

UHF reader
Fixed antenna on the line or at dispatch, handheld at the store

Your software
Serialisation, dispatch and store receiving records

Packing line, dispatch, store
Encode as each box is sealed, read the master carton at dispatch, check the delivery at the store.

WHY THE ID-2539-R6

Serialised boxes, checked unopened

Room for an SGTIN-96
The 96-bit EPC holds a GS1 SGTIN-96: the product code plus a unique serial for each box.

Reads through the box
UHF passes through cardboard and plastic, so the tag can sit on or inside the box.

Recorded once, on the line
Apply and encode the tag as each box is sealed, so every unit is recorded once.

Dispatch checked whole
Read all the boxes inside a master carton to check an order before it ships.

One-read store receiving
The retailer checks a delivery against the invoice in one read.

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

Any Gen2 printer or encoder
Write the serial on an EPC Gen2 RFID printer or desktop encoder, or order tags pre-encoded.

Placed for steady reads
Same panel on every box, furthest from metal parts or batteries, or lifted on a foam spacer.

CHIP AND MEMORY

Air interface and memory

PARAMETER	ID-2539-R6	NOTES
Chip	Impinj Monza R6	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
EPC memory	96 bits	Fits a GS1 SGTIN-96
Read range	Up to 6 m	Depends on reader, antenna and environment

Impinj and Monza are trademarks of Impinj, Inc.

AT A GLANCE

- R6 chip with a 96-bit EPC for a GS1 SGTIN-96
- Up to 6 m, depending on reader, antenna and environment
- Reads through cardboard and plastic packaging

SUPPLIED AS

- UHF inlay tags, ID-2539-R6
- Blank, serialised to your numbering, or custom printed
- Give the quantity and your encoding scheme with your quotation request

ORDERING

ID-2539-R6	UHF RFID inlay tag, R6 chip, 96-bit EPC, EPC Gen2, up to 6 m.

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	Serialised encoding or custom printing, to order

TAG

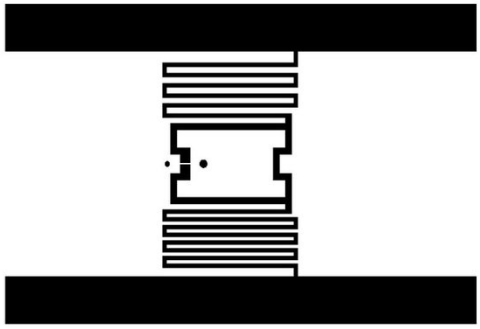
Model	ID-2539-R6
Form factor	UHF RFID inlay tag
Material	Thin, flexible substrate
Mounting	Flat or curved non-metal surfaces

ENCODING AND READING

Encoding	EPC Gen2 RFID printer or desktop encoder
EPC	96 bits, e.g. GS1 SGTIN-96
Readers	Standard EPC Gen2 UHF readers, 865–868 MHz

PRODUCT VIEWS

The UHF inlay antenna



Serialise a trial run of boxes.

Ask for a quotation with the quantity, your product boxes and your encoding scheme, and whether you need the tags pre-encoded.

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.