UHF RFID · 865–868 MHZ · WRAP-AROUND JEWELLERY TAG

ID-1142-U8

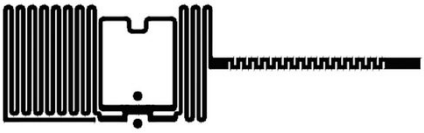
A narrow 11 × 42 mm UHF strip that wraps a ring, bracelet or cord for tray-level counts.

R6-P chip | 128-bit EPC + 32 user | 865–868 MHz India | 0.3–1.5 m on a tray | 11 × 42 mm strip

Wrap the piece, count the tray.

The **Identium ID-1142-U8** is an 11 × 42 mm UHF RFID tag for jewellery showrooms. The 11 mm width folds around a ring shank, bracelet or necklace cord out of the customer's view, while the 42 mm length keeps the antenna large enough for tray reading.

Its R6-P chip holds a unique 128-bit EPC plus 32 bits of user memory, working to EPC Gen2 / ISO 18000-6C at 865–868 MHz, and also 902–928 MHz. A UHF reader counts every tagged piece in a tray in one pass, at 0.3–1.5 m depending on the reader.



0.3–1.5	11 × 42	128-bit	32-bit	865–868
m read range, on a tray	Tag size, mm	EPC memory	User memory	MHz, India UHF band

WHAT IT DOES

Encode, wrap, count

ENCODE
Before it goes on

- Unique 128-bit EPC
- Linked to design, weight, purity
- 32-bit user field spare
- Pre-encoded with your SKUs

WRAP
Around the piece

- Ring shanks and bracelets
- Necklace cords
- Paper tags, foam inserts
- Permanent PET adhesive

COUNT
A tray in one pass

- 0.3–1.5 m on a tray
- Next tray left out
- Desktop or tray reader
- Handheld for showcases

WHERE IT WORKS

Where the tag works

Gold and diamond
Gold and diamond jewellery

Tray audits
Display tray audits

Stocktake
Opening and closing counts

Repairs
Workshop tracking

Branches
Branch reconciliation

Franchise stores
Stock across franchises

HOW IT WORKS

From a wrapped ring to a counted tray

Jewellery
Rings, bracelets and necklaces on display trays

ID-1142-U8
11 × 42 MM UHF JEWELLERY TAG
- Encoded before it is attached
- Wraps a shank, bracelet or cord
- Unique 128-bit EPC per piece
- Answers readers at 865–868 MHz
- 0.3–1.5 m on a tray

UHF reader
Desktop or tray reader at the counter; handheld for showcases

Your software
Links each EPC to design code, weight and purity

Count the tray in front of you
The short tray range lets a desktop or tray reader count one tray without picking up the next one.

WHY THE ID-1142-U8

A tag that wraps the piece itself

Wraps rings and cords
The 11 mm strip folds around a ring shank, bracelet or necklace cord and stays out of the customer's view.

Antenna sized for trays
The 42 mm length keeps the antenna large enough for reading pieces on a display tray.

One pass per tray
A UHF reader inventories every tagged piece in a tray at once, turning the daily count into a quick check.

Counter-sized range
0.3–1.5 m on a tray, depending on the reader: one tray counted, the next one left out.

Unique 128-bit EPC
Your jewellery software links each EPC to design code, weight and purity; 32 bits of user memory spare.

Workshop and branches
Trace pieces sent for repair and reconcile stock across branches and franchise stores.

Permanent adhesive
A PET strip with permanent adhesive that also fixes to paper tags, foam inserts and soft pouches.

Encoded with your SKUs
Custom encoding with your SKU numbering can be requested with your quote.

CHIP AND MEMORY

Air interface and memory

PARAMETER	ID-1142-U8	NOTES
Chip	Impinj Monza R6-P	Read and written over EPC Gen2
Air interface	EPC Gen2 / ISO 18000-6C	Any UHF reader on the India band
Frequency	865–868 MHz, 902–928 MHz	India UHF band, plus 902–928 MHz
EPC memory	128 bits	Unique ID for each piece
User memory	32 bits	A short extra field
Read range	0.3–1.5 m	On a jewellery tray; depends on reader

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AT A GLANCE

- 11 × 42 mm strip wraps rings, bracelets and cords
- Many tagged pieces in a tray read in one pass
- 0.3–1.5 m on a tray, depending on the reader

SUPPLIED AS

- 11 × 42 mm UHF jewellery tags, PET with permanent adhesive
- Blank, or encoded with your SKU numbering
- Give the quantity and any encoding with your quotation request

ORDERING

ID-1142-U8	UHF RFID jewellery tag 11 × 42 mm, R6-P chip, 128-bit EPC + 32-bit user.

SPECIFICATIONS

Technical data

RF AND CHIP	
Chip	Impinj Monza R6-P
Memory	128-bit EPC, 32-bit user memory
Protocol	EPC Gen2 / ISO 18000-6C
Frequency	865–868 MHz (India), 902–928 MHz
Read range	0.3–1.5 m on a jewellery tray (reader-dependent)

TAG	
Dimensions	11 × 42 mm
Material	PET, permanent adhesive
Mounting	Wraps rings and cords; paper tags, foam inserts, soft pouches

ENCODING AND READING	
Encoding	Before attaching; or custom encoded
Readers	Desktop, tray or handheld, 865–868 MHz

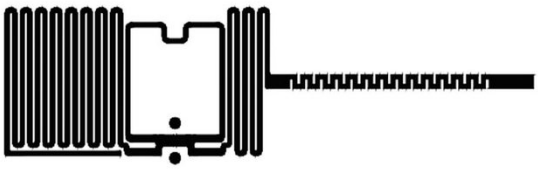
WHICH JEWELLERY TAG?

Wrap-around strip, inlay or sticker

	ID-1142-U8	ID-1027	ID-1027-U8
Size	11 × 42 mm	10 × 27 mm	10 × 27 mm
Format	Strip that wraps the piece	Inlay for your own tags	Printable sticker
Memory	128-bit EPC, 32-bit user	128-bit EPC, 64-bit user, lockable	128-bit EPC, 32-bit user
Read range	0.3–1.5 m, on a tray	0.3–1.5 m, on display	0.2–1 m, in a tray
Choose it for	Rings, bracelets and cords	Hidden inside your price tags	Rings, nose pins and studs

PRODUCT VIEWS

The UHF inlay antenna



Wrap a tray of your own rings.

Ask for a quotation with the quantity, and send your SKU numbering if you want the tags encoded before delivery.

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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.