UHF RFID · 860–960 MHZ · DUMBBELL JEWELLERY LABEL

ID-1142-M830

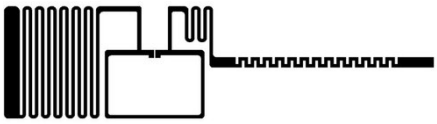
A dumbbell UHF label on the M830 chip that loops through rings, bails and chain clasps.

M830 chip | Dumbbell loop label | EPC Gen2 / 18000-6C | 865–868 MHz covered | Up to 7 m read range

Count a jewellery tray in one sweep.

Rings, chains and pendants rarely offer a flat surface for a label. The **Identium ID-1142-M830** uses the trade's familiar dumbbell shape: its narrow neck passes through a ring, pendant bail or chain clasp, and the two wider ends press together to close the loop.

The antenna lies in the wider portion, on the M830 chip. It works to EPC Gen2 / ISO 18000-6C across 860–960 MHz, covering India's 865–868 MHz band, and reads at up to 7 m depending on the antenna and surroundings.



7 m	M830	Gen2	860–960	865–868
Read range, up to	UHF chip	EPC / ISO 18000-6C	MHz operating range	MHz, India UHF band

WHAT IT DOES

Loop, read and record

LOOP — Dumbbell format

- Through a ring or pendant bail
- Or a chain clasp
- Fold at the neck
- Antenna area kept flat

READ — M830 chip, EPC Gen2

- EPC Gen2 / ISO 18000-6C
- 860–960 MHz, covers 865–868 MHz
- Up to 7 m, antenna dependent
- A whole tray in one sweep

RECORD — Piece ID in the EPC

- Weight and hallmark in software
- Vault, counter and branches
- Printed and pre-encoded
- To your item codes

WHERE IT WORKS

Where it is used

Rings and chains
Item-level tagging

Pendants, bridal
Pendants and bridal sets

Vault to counter
Movements logged by reader

Branch transfers
Stock moved between stores

Gem boutiques
Gemstone boutiques

Showroom audits
Daily stock checks

HOW IT WORKS

From a tagged piece to your stock records

Jewellery
Rings, chains, pendants and bridal sets on trays

ID-1142-M830
UHF DUMBBELL JEWELLERY LABEL
- Loops through a ring, bail or clasp
- Holds the piece ID in the EPC
- Hangs free for the best reads
- Answers Gen2 readers at 865–868 MHz
- Reads at up to 7 m, antenna dependent

UHF reader
Handheld over the tray, or an under-counter antenna

Stock software
Piece ID linked to gross weight and hallmark reference

Set the read zone at the counter
Lower reader power at a counter so the reader counts the tray in front of it and leaves neighbouring showcases out.

WHY THE ID-1142-M830

Item-level tags for rings, chains and pendants

The trade's dumbbell shape
The narrow neck passes through a ring, pendant bail or chain clasp, and the wide ends press together to close the loop.

A tray in one sweep
UHF reads in bulk without line of sight, so a tray is counted in seconds without lifting each piece.

Up to 7 m read range
Rated at up to 7 m in open conditions; the reader antenna and surroundings set the figure.

Folds cleanly at the neck
Thin, flexible material folds at the neck while the antenna area stays flat.

Movements logged by reader
Moves between vault, counter and branches are logged by reader against each piece ID.

Weight and hallmark linked
Keep gross weight and hallmark reference against each EPC in your stock software.

Printed and pre-encoded
Custom printing and EPCs pre-encoded against your item codes can be requested with your quotation.

Standard UHF readers
Works with standard UHF readers and printers on India's band, including handhelds used at jewellery counters.

CHIP AND MEMORY

Air interface and chip

PARAMETER	ID-1142-M830	NOTES
Chip	Impinj M830	Read and written over EPC Gen2
Air interface	EPC Gen2 / ISO 18000-6C	Standard UHF readers and printers
Frequency	860–960 MHz	Covers India's 865–868 MHz band
EPC use	Piece ID	Weight and hallmark kept in software
Read range	Up to 7 m	Depends on antenna and environment

AT A GLANCE
- Dumbbell UHF label that loops through rings, bails and clasps
- Up to 7 m read range, depending on antenna and surroundings
- Printed and pre-encoded to your item codes on request

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SUPPLIED AS
- ID-1142-M830 dumbbell UHF jewellery labels
- Custom printing on request
- EPCs pre-encoded against your item codes

ORDERING

ID-1142-M830	UHF dumbbell jewellery label, M830 chip.

SPECIFICATIONS

Technical data

RF AND CHIP

Frequency	860–960 MHz (covers India's 865–868 MHz)
Protocol	EPC Gen2 / ISO 18000-6C
Chip	Impinj M830
Read range	Up to 7 m; depends on antenna and environment

LABEL

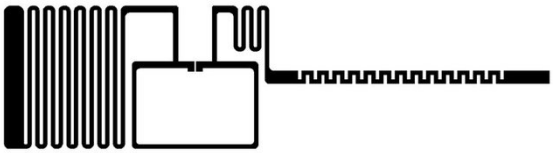
Format	Dumbbell label
Material	Thin, flexible substrate
Mounting	Loop through a ring, bail or clasp

ENCODING AND READING

Compatible with	Standard UHF RFID readers and printers

PRODUCT VIEWS

The dumbbell label



Tag a sample tray.

Ask for a quotation with the quantity and your item-code format, and tell us whether you need the labels printed and pre-encoded.

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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.