UHF RFID · 860–960 MHZ · INLAY OR SMART LABEL

ID-1033-M6

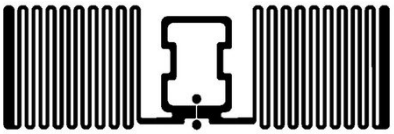
A compact M6-chip UHF inlay for garments, cartons, files and curved plastic packs.

M6 chip | EPC Gen2 / ISO 18000-6C | Up to 6 m read range | 860–960 MHz | Inlay or smart label

Tag thousands of items, read them in bulk.

The **Identium ID-1033-M6** is a compact UHF RFID inlay on an M6 chip, supplied as a wet inlay or a converted smart label. It works to EPC Gen2 / ISO 18000-6C across 860–960 MHz and reads at up to 6 m.

It suits operations that tag thousands of items: garments and shoe boxes in a store, cartons in a 3PL warehouse, folders in a record room, crates in FMCG distribution. Its thin face sits flat on cardboard and follows curves on bottles and tubes.



6 m	M6	860–960	865–868	Gen2
Read range, up to	UHF chip	MHz response band	MHz, India UHF band	EPC air interface

WHAT IT DOES

Read, stick and encode

READ
M6 chip, up to 6 m

- EPC Gen2 / ISO 18000-6C
- 860–960 MHz, India band included
- Handheld counts, dock-door reads
- Many items in one pass

STICK
Flat and curved surfaces

- Cardboard, paper, rigid plastic
- Bottles, tubes, moulded packs
- Press firmly on a clean face
- On-metal tags for metal items

ENCODE
Printed and encoded to order

- Pre-encoded serial numbers
- Custom printing
- Or a smart label for in-house
- Check a sample from each batch

WHERE IT WORKS

Where it goes

Apparel
Garments and footwear

Cartons and cases
Carton and case labels

Files
File and folder tracking

Plastic crates
Returnable plastic crates

Electronics
Accessory packs

3PL warehouses
Supply-chain visibility

HOW IT WORKS

From a tagged item to your software

Your items
Garments, shoe boxes, cartons, folders and returnable plastic crates

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ID-1033-M6
M6-CHIP UHF INLAY
- Sticks flat or round a curve
- Holds your EPC in the M6 chip
- Answers Gen2 readers, 860–960 MHz
- Read at up to 6 m
- Counted in bulk at a dock door

→

UHF reader
Gen2 handheld, fixed or desktop reader on 865–868 MHz; up to 6 m

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Your software
Inventory, asset tracking or supply-chain software

Print and encode in-house
Our UHF RFID printers print and encode labels in one pass; a desktop UHF reader encodes them at the desk.

WHY THE ID-1033-M6

A compact inlay for volume tagging

Made for volume
For operations that tag thousands of non-metal items: stores, 3PL warehouses, record rooms and FMCG distribution.

Up to 6 m read range
Enough for handheld cycle counts and dock-door reads; depends on reader antenna, power and environment.

Follows curved surfaces
Sits flat on cardboard, paper and rigid plastic and follows gentle curves on bottles, tubes and moulded packs.

Wet inlay or smart label
Converters take the wet inlay; stores and warehouses that print in-house order the converted smart label.

Works with Gen2 readers
Any standard UHF reader set to India's 865–868 MHz band reads and writes it.

Printed and encoded to order
Supplied with custom printing and pre-encoded serial numbers, or encoded in-house on a UHF printer.

Repeatable portal reads
Use the same orientation on every carton for repeatable reads at a portal.

A matching on-metal range
For metal items, pair this inlay with our on-metal RFID tags.

CHIP AND AIR INTERFACE

Chip, air interface and range

PARAMETER	ID-1033-M6	NOTES
Chip	Impinj Monza series (M6)	Read and written over EPC Gen2
Air interface	EPC Gen2 / ISO 18000-6C	Any Gen2 UHF reader or printer
Frequency	860–960 MHz	Covers India's 865–868 MHz band
Read range	Up to 6 m	Depends on reader, antenna and environment
Formats	Wet inlay or smart label	For converters or in-house printing

Impinj and Monza are trademarks of Impinj, Inc.

AT A GLANCE
- Compact UHF inlay on an M6 chip
- Up to 6 m, depending on antenna and environment
- Wet inlay or converted smart label

SUPPLIED AS
- Wet inlays, or converted smart labels for in-house printing
- Custom printing and pre-encoded serial numbers on request
- Give the format, quantity and any encoding with your quotation request

ORDERING

ID-1033-M6 UHF RFID inlay, M6 chip, EPC Gen2, 860–960 MHz; wet inlay or smart label.

SPECIFICATIONS

Technical data

RF AND CHIP	
Frequency	860–960 MHz, covering India's 865–868 MHz band
Protocol	EPC Gen2 / ISO 18000-6C
Chip	Impinj Monza series (M6)
Read range	Up to 6 m; depends on the antenna and environment

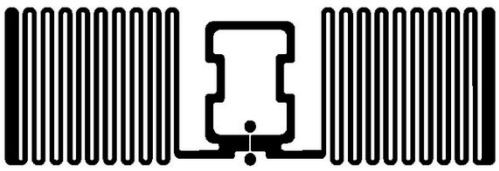
SUPPLY	
Formats	Wet inlay or converted smart label
Options	Custom printing, pre-encoded serial numbers

INLAY	
Model	ID-1033-M6
Substrate	Thin and flexible, for flat and curved surfaces
Surfaces	Cardboard, paper, rigid plastic, bottles and tubes

ENCODING AND READING	
Readers	Any EPC Gen2 UHF reader set to 865–868 MHz: handheld, fixed or desktop
Encoding	UHF RFID printer-encoder or desktop UHF reader
Printing	UHF RFID label printer, in the same pass as encoding

PRODUCT VIEWS

The UHF inlay antenna



Test the inlay on your own items.

Ask for a quotation with the format and quantity, and tell us what you are tagging and any printing or serial numbers you need.

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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.