UHF RFID · 860–960 MHZ · INLAY TAG

ID-1642-M700

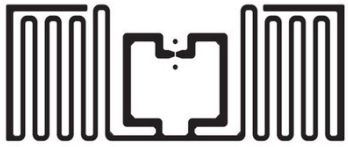
One UHF tag type with an M700 chip for apparel, accessories and home goods.

M700 chip | EPC Gen2 / 18000-6C | 860–960 MHz | Up to 7 m read range | Fast inventory

One tag across mixed product categories.

The **Identium ID-1642-M700** combines the 1642 inlay antenna with an M700 chip, built to inventory many tags fast. 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 antenna and environment.

Stores selling apparel, accessories and home goods can run one tag type across all of them. The thin, flexible substrate goes into hang tags and onto boxes and packaging, and tags packed close together are more likely to answer in the same sweep.



7 m	M700	Gen2	860–960	865–868
Read range, up to	UHF chip, fast inventory	EPC Gen2 / ISO 18000-6C	MHz response	MHz, India UHF band

WHAT IT DOES

Read, fit and encode

READ
M700 chip on the 1642 antenna

- EPC Gen2 / ISO 18000-6C
- 860–960 MHz, India band included
- Up to 7 m, antenna-dependent
- Many close-packed tags per sweep

FIT
Thin, flexible substrate

- Inside hang tags
- On boxes and packaging
- One spot per product type
- On the product's non-metal face

ENCODE
Your EPC on every item

- Standard RFID label printers
- Desktop encoders
- Lock the EPC after encoding
- Any Gen2 reader counts it

WHERE IT WORKS

Where the tag goes

Mixed retail
Apparel, accessories, home

Shelf counts
Shelf and backroom counts

E-commerce returns
Returns bins re-shelved fast

WIP bins
Plastic work-in-progress bins

Luggage tags
Luggage and baggage tags

Hang tags
One tag type for all lines

HOW IT WORKS

From tagged stock to your stock count

Your items
Apparel, accessories and home goods on shelves, rails and in baskets

ID-1642-M700
UHF INLAY TAG, M700 CHIP
- Holds a unique EPC for each item
- Answers fast in dense groups
- Works across 860–960 MHz
- Reads at up to 7 m
- EPC can be locked after encoding

UHF reader
Gen2 handheld or fixed reader set to the 865–868 MHz India band

Your software
Store inventory, replenishment and returns software

Print, encode and count
Our RFID printers and desktop readers write the EPC; UHF handheld readers count the shop floor.

WHY THE ID-1642-M700

One tag type for the whole store

One tag across categories
Apparel, accessories and home goods carry the same tag, so stores manage one part instead of one per category.

Built for fast inventory
The M700 chip answers quickly when tags sit close together on a shelf, in a basket or in a returns bin.

Up to 7 m
Rated up to 7 m; the reader's power setting, shelf density and nearby fixtures set the working range.

Any Gen2 reader or printer
EPC Gen2 / ISO 18000-6C: handhelds, desktop encoders and standard RFID label printers on the India band.

Quick returns
Read a returns bin in one sweep and put items back on the shelf sooner.

Lockable EPC
Lock the EPC memory after encoding when your process calls for it.

One spot per product type
Publish a placement map so every store tags each product type in the same place for steady reads.

On-metal tags for fixtures
Tag the product itself; for metal fixtures and shelving, choose our on-metal RFID tags.

CHIP AND MEMORY

Air interface and memory

PARAMETER	ID-1642-M700	NOTES
Chip	Impinj M700	Built for fast inventory of many tags
Air interface	EPC Gen2 / ISO 18000-6C	Any Gen2 UHF reader
Frequency	860–960 MHz	Covers India's 865–868 MHz band
EPC	Lockable after encoding	When your process needs it
Read range	Up to 7 m	Depends on antenna and environment

Impinj is a trademark of Impinj, Inc.

AT A GLANCE
- M700 chip, EPC Gen2 / ISO 18000-6C
- Up to 7 m, depending on antenna and environment
- One tag type across apparel, accessories and home goods

SUPPLIED AS
- Compact UHF inlay tags, ID-1642-M700
- For hang tags, boxes and packaging
- Give the quantity and your product categories with your quotation request

ORDERING

ID-1642-M700	UHF RFID tag 1642-M700, M700 chip, EPC Gen2, up to 7 m, thin flexible inlay.

SPECIFICATIONS

Technical data

RF AND CHIP	
Chip	Impinj M700
Frequency	860–960 MHz (covers India's 865–868 MHz band)
Protocol	EPC Gen2 / ISO 18000-6C
Read range	Up to 7 m; depends on antenna and environment

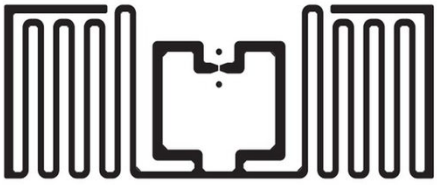
SUPPLY	
Format	Compact inlay / tag
Ordering	By quotation

TAG	
Model	ID-1642-M700
Form factor	Compact UHF inlay / tag
Material	Thin, flexible substrate
Use on	Hang tags, boxes and packaging

ENCODING AND READING	
Encoding	Standard RFID label printers or desktop encoders
EPC lock	Lockable after encoding
Readers	Any EPC Gen2 UHF reader set to 865–868 MHz

PRODUCT VIEWS

The UHF inlay antenna



Test the tag across your categories.

Ask for a quotation with the quantity and the product categories you sell, and tell us how your stores count stock today.

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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.