UHF RFID · 860–960 MHZ · CARTON LABEL

ID-1642-M700

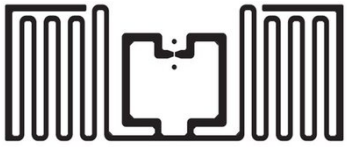
A compact UHF label with an M700 chip for counting cartons in bulk at docks and lines.

M700 chip | EPC Gen2 | 860–960 MHz | Up to 7 m | Printer-encodable

Count cartons in bulk at the dock.

The **Identium ID-1642-M700** is a compact UHF RFID label on the M700 chip, a chip built for fast inventory of many tags. Its 860–960 MHz response takes in India's 865–868 MHz band, and EPC Gen2 / ISO 18000-6C readers pick it up at up to 7 m.

Warehouses and factories use it to count cartons in bulk at receiving, put-away and dispatch, with dock-door portals and overhead readers on packing lines. Encode the carton EPC on a UHF printer-encoder, or bulk-program a batch on a desktop reader.



7 m	M700	860–960	865–868	18000-6C
Read range, up to	Chip, fast inventory	MHz response band	MHz, India UHF band	ISO air interface

WHAT IT DOES

Encode, apply and read

ENCODE
Before the label goes on

- UHF printer-encoder at packing
- Or a desktop reader in batches
- Carton EPC per box
- Printed code beside the chip

APPLY
Cardboard, paper and plastic

- Corrugated and plastic cartons
- Pressed along the antenna
- On a clean, dry face
- Same face on every carton

READ
M700 chip, many tags at once

- Up to 7 m, antenna-dependent
- Dock-door portals
- Overhead line readers
- Handhelds for cycle counts

WHERE IT WORKS

Where the label goes

Receiving	Put-away	Packing lines	Returnable crates	Dock doors	Field stock
Distribution centre receiving	Put-away and dispatch	Packing line tracking	Crates in and out	Portal reads at dispatch	Field engineer stock

HOW IT WORKS

From a labelled carton to your WMS

Cartons
Cardboard, paper and plastic cartons at receiving and dispatch

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ID-1642-M700
COMPACT UHF RFID LABEL
- Holds the carton EPC in the M700
- Answers Gen2 readers at 865–868 MHz
- Read with many cartons at once
- Read at up to 7 m
- Printed and encoded before applying

→

UHF reader
Dock-door portal, overhead line reader or handheld, India band

→

Your software
WMS, ERP or your own carton tracking

Readers for every read point
Fixed UHF readers and gate antennas for dock doors, handhelds for counts, printers to encode: ask us to match them.

WHY THE ID-1642-M700

Built for bulk carton counts

Fast inventory of many tags
The M700 chip is designed for fast inventory, for pallets and cages where dozens of cartons pass a reader together.

Up to 7 m read range
Up to 7 m, depending on antenna and environment: room for dock-door portals and overhead readers.

Encode it your way
Write the EPC on a UHF printer-encoder as the label prints, or bulk-program a batch on a desktop reader.

Made for carton flows
Sticks to cardboard, paper and plastic cartons through receiving, put-away and dispatch.

Dense loads, tuned readers
Set the reader's session and Q values for a dense tag population, so the same labels are not re-read.

Works on India's UHF band
Responds across 860–960 MHz, including India's licence-exempt 865–868 MHz band, on EPC Gen2 readers.

Placement on mixed loads
For cartons of metal or liquid goods, use a face away from the contents or a foam spacer, and pilot the position.

A matching on-metal range
For metal containers, pair this label with our on-metal UHF tags.

CHIP AND MEMORY

Air interface and memory

PARAMETER	ID-1642-M700	NOTES
Chip	Impinj M700	Designed 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
Read range	Up to 7 m	Depends on antenna and environment

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AT A GLANCE
- Compact UHF label for bulk carton counts
- Up to 7 m, depending on antenna and environment
- Encodes on a UHF printer-encoder or desktop reader

SUPPLIED AS
- ID-1642-M700 labels in the quantity you order
- For cardboard, paper and plastic cartons
- Quoted to your cartons and read points

ORDERING

ID-1642-M700 Compact UHF RFID label, M700 chip, EPC Gen2, 860–960 MHz.

SPECIFICATIONS

Technical data

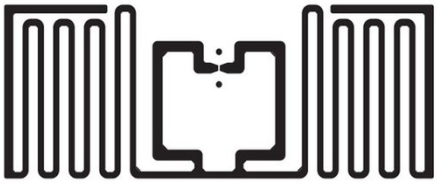
RF AND CHIP	
Frequency	860–960 MHz (covers India's 865–868 MHz band)
Protocol	EPC Gen2 / ISO 18000-6C
Chip	Impinj M700
Read range	Up to 7 m; depends on antenna and environment

LABEL	
Model	ID-1642-M700
Form factor	Compact UHF inlay / label
Material	Thin, flexible substrate
Surfaces	Cardboard, paper and plastic cartons

ENCODING AND READING	
Encoding	UHF printer-encoder or desktop reader
Readers	Fixed portals, handhelds and desktop encoders, EPC Gen2

PRODUCT VIEWS

The UHF inlay inside the label



Pilot it with your real loads.

Ask for a quotation with the quantity, and tell us about your cartons, their contents and your read points, so we can plan readers and label position.

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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.