UHF RFID · 860–960 MHZ · LARGE-FORMAT INLAY

ID-6040

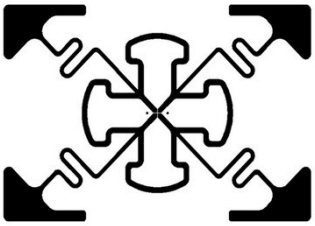
A large-format UHF inlay for totes, crates, bulk bags and large cartons.

Portal and rack reads | EPC Gen2 / ISO 18000-6C | Up to 7 m read range | 860–960 MHz | Large-format inlay

Count containers as they pass a portal.

The **Identium ID-6040** is a large-format, flexible UHF RFID inlay. 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.

It suits containers that move in volume and are counted from a distance: returnable totes and crates cycling between a plant and its vendors, bulk bags in seed, agri and cement godowns, and large cartons moving from back store to shop floor.



7 m	UHF	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, fix and encode

READ — Portal and rack reads

- EPC Gen2 / ISO 18000-6C
- Up to 7 m, reader-dependent
- Dock portals and rack sweeps
- Power set lane by lane

FIX — Broad, flat, non-metal faces

- Totes, crates and bulk bags
- Large cartons
- Same orientation on every item
- Flexible for curved faces

ENCODE — Ready before application

- Bulk-encode on a desktop reader
- Or print and encode in one pass
- Pre-encoded for large rollouts
- Custom printing on request

WHERE IT WORKS

Where it goes

Returnable totes	Plastic crates	Bulk bags	Back-store cartons	Rental equipment	Events
Plant-to-vendor loops	Crates in circulation	Seed, agri and cement godowns	Back store to shop floor	Kit out and back	Event infrastructure

HOW IT WORKS

From a tagged item to your software

Your items
Returnable totes, plastic crates, bulk bags and sacks, large cartons

ID-6040 inlay
LARGE-FORMAT UHF INLAY
- Fixed on a broad, flat face
- Holds your EPC in the chip
- Answers Gen2 readers, 860–960 MHz
- Read at up to 7 m at a portal
- Counted as loads pass the dock

UHF reader
Fixed portal readers at docks; handhelds for rack sweeps; 865–868 MHz

Your software
Returnable packaging, warehouse or rental-equipment records

Lane-by-lane portal set-up
Set reader power and antenna aim for each lane, and test with two loads moving at once, so each tag lands on its own receipt.

WHY THE ID-6040

A large inlay for loads on the move

Large-format antenna
A broad, flexible inlay for totes, crates, bulk bags and large cartons that are counted from a distance.

Up to 7 m read range
Depends on the reader antenna, transmit power and the surface the inlay is mounted on.

Clean portal reads
Set power and antenna aim lane by lane so each load lands on its own receipt at a busy dock.

Built for returnable loops
Totes and crates cycling between a plant and its vendors are counted as they pass.

Encoded before application
Write EPCs in bulk on a UHF desktop reader, or print and encode in one pass on a UHF printer.

Works with Gen2 readers
Responds across 860–960 MHz, so any compliant Indian UHF reader on 865–868 MHz reads it.

Also on the M4 chip
The ID-6040-M4 label carries an M4 chip instead, for systems that call for one.

A matching on-metal range
For steel items and water-heavy contents, choose our on-metal or hard tags.

CHIP AND AIR INTERFACE

Chip, air interface and range

PARAMETER	ID-6040	NOTES
Chip	Qstar	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 7 m	Depends on reader, antenna and environment
Formats	Large-format inlay / label	Flexible, thin substrate

AT A GLANCE

- Large-format UHF inlay for totes, crates and bags
- Up to 7 m, depending on reader, antenna and environment
- Pre-encoded or custom printed for large rollouts

SUPPLIED AS

- Large-format flexible UHF inlays or labels
- Pre-encoded with your numbering scheme or custom printed, ready to apply
- Give the quantity and numbering scheme with your quotation request

ORDERING

ID-6040 Large-format UHF RFID inlay, EPC Gen2, 860–960 MHz.

SPECIFICATIONS

Technical data

RF AND CHIP	
Frequency	860–960 MHz, covering India's 865–868 MHz band
Protocol	EPC Gen2 / ISO 18000-6C
Chip	Qstar
Read range	Up to 7 m; depends on the reader, antenna and environment

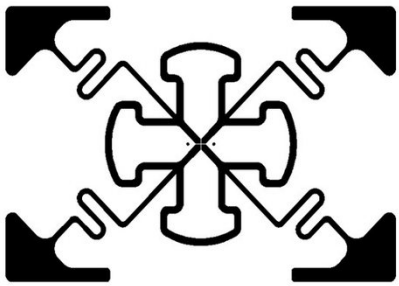
SUPPLY	
Options	Pre-encoded or custom printed
Related	ID-6040-M4, on an M4 chip

INLAY	
Model	ID-6040
Form factor	Large-format flexible UHF inlay / label
Substrate	Thin and flexible, for flat and curved surfaces
Typical items	Totes, crates, bulk bags, large cartons

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



Run a portal test with your loads.

Ask for a quotation with the quantity and numbering scheme, and tell us what you are tagging and how loads pass your read points.

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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.