UHF RFID · 860–960 MHZ · CARTON AND PALLET INLAY

ID-3050

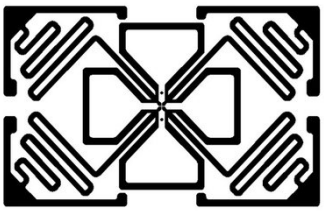
A large UHF inlay for long-range carton and pallet reads, rated up to 7 m.

Gen2 UHF chip | EPC Gen2 / 18000-6C | 865–868 MHz covered | Large inlay format | Up to 7 m read range

Read range for the hardest carton reads.

The **Identium ID-3050** is the carton-and-pallet version of our 3050 inlay: a large UHF inlay with a Gen2 chip, rated at up to 7 m. It works to EPC Gen2 / ISO 18000-6C across 860–960 MHz, covering India's 865–868 MHz band.

The extra range gives margin where reads are hardest: cartons stacked two or three deep passing a dock-door portal, or a load lifted past a forklift reader. It comes as an inlay for automatic label application, on a substrate that copes with corrugated board and shrink-wrap.



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

WHAT IT DOES

Read, label and commission

READ
Gen2 chip, large antenna

- EPC Gen2 / ISO 18000-6C
- 860–960 MHz, covers 865–868 MHz
- Up to 7 m, antenna dependent
- Cartons deep in a pallet

LABEL
Inlay for auto-application

- Converted into shipping labels
- Corrugated board
- Shrink-wrapped loads
- SSCC or serial, text and barcode

COMMISSION
Portal and forklift reads

- Label faces the portal antennas
- Test real loads as stacked
- Tune antenna angle first
- Then reader power if needed

WHERE IT WORKS

Where it reads

Dock doors
Carton reads at portals

Pallets
Pallet identification

3PL receiving
Inbound receiving checks

Pharma cases
Case aggregation

Outbound checks
Shipment verification

Forklift readers
Loads read as they are lifted

HOW IT WORKS

From a labelled carton to a verified shipment

Cartons
Cases and pallets of cartons, corrugated or shrink-wrapped

ID-3050 inlay
LARGE UHF INLAY, GEN2 CHIP
- Built into a case or pallet label
- Holds an SSCC or serial in the EPC
- Answers Gen2 readers at 865–868 MHz
- Reads at up to 7 m, antenna dependent
- Margin for cartons deep in a pallet

Portal reader
Dock-door portal or forklift-mounted UHF reader

Your WMS
Receiving, aggregation and outbound shipment checks

Gate and portal readers
Our gate and portal readers commission dock doors with your cartons in their actual stacking pattern.

WHY THE ID-3050

Margin for dock-door and forklift reads

Up to 7 m read range
Rated at up to 7 m; the reader antenna, transmit power, orientation and carton contents set the figure.

Large inlay format
A large antenna gives margin for cartons stacked two or three deep on a pallet passing a portal.

Made for auto-application
Supplied as an inlay for automatic label application, ready to convert into case and pallet labels.

Copes with real packaging
The thin, flexible substrate copes with corrugated board and shrink-wrapped loads.

A shipping label with RFID
Print and encode an SSCC or internal serial, repeated as text and barcode, on a standard UHF RFID printer.

Works on India's band
Responds across 860–960 MHz, which includes 865–868 MHz, so any UHF reader set up for India reads it.

Printed and numbered to order
Custom printing and serial numbering can be specified with your quotation request.

A matching on-metal range
For metal cages and returnable metal pallets, pair it with our on-metal UHF tags.

CHIP AND MEMORY

Air interface and chip

PARAMETER	ID-3050	NOTES
Chip	Qstar	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	SSCC or internal serial	Repeated on the label as text and barcode
Read range	Up to 7 m	Depends on antenna and environment

Read range depends on the reader antenna, power, orientation and carton contents.

AT A GLANCE
- Large UHF inlay for carton and pallet labels
- Up to 7 m read range, depending on antenna and surroundings
- Supplied as an inlay for automatic label application

SUPPLIED AS
- ID-3050 large UHF inlays for automatic label application
- Custom printing and serial numbering on request
- Give the quantity and your label build with your quotation request

ORDERING

ID-3050	Large UHF inlay for carton and pallet labels, EPC Gen2 chip.

SPECIFICATIONS

Technical data

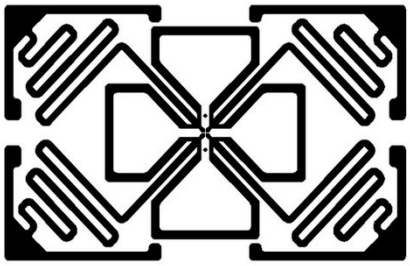
RF AND CHIP	
Frequency	860–960 MHz (covers India's 865–868 MHz)
Protocol	EPC Gen2 / ISO 18000-6C
Chip	Qstar
Read range	Up to 7 m; depends on antenna and environment

INLAY	
Type	Large UHF inlay for carton and pallet labels
Packaging	Inlay for automatic label application
Material	Thin, flexible substrate

ENCODING AND READING	
Encoding	Standard UHF RFID readers and printers

PRODUCT VIEWS

The UHF inlay



Test it on a real pallet.

Ask for a quotation with the quantity, your label build and any printing or serial numbering, and tell us how your cartons are stacked and read.

www.indiarfidstore.com
marketing@indiarfidstore.com
+91 70110 01472

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.