UHF RFID · 860–960 MHZ · WET INLAY

0SD012

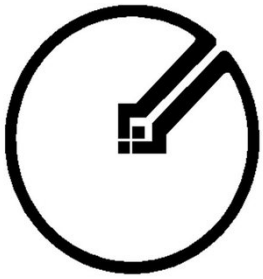
A compact UHF wet inlay for labelling cartons, totes and files by the thousand.

Compact inlay | EPC Gen2 / ISO 18000-6C | Up to 7 m read range | 860–960 MHz | Wet inlay

Built for jobs that use tags by the thousand.

The **Identium 0SD012** is a compact UHF RFID wet inlay, made for high-volume labelling where cost per label matters as much as performance. It works to EPC Gen2 / ISO 18000-6C across 860–960 MHz and reads at up to 7 m.

Use it on every carton leaving a distributor's godown, every tote in an e-commerce returns loop, or every file in a record room. Stick it on as supplied, or have it converted into a printed paper or synthetic label.



7 m	Wet	860–960	865–868	Gen2
Read range, up to	Inlay, ready to stick	MHz response band	MHz, India UHF band	EPC air interface

WHAT IT DOES

Read, apply and encode

READ
Gen2 chip, up to 7 m

- EPC Gen2 / ISO 18000-6C
- 860–960 MHz, India band included
- Up to 7 m, reader-dependent
- Long reads down an aisle

APPLY
Wet inlay, ready to stick

- Adhesive-backed as supplied
- Cardboard, plastic and wood
- Or converted to a printed label
- On-metal tags for bare metal

ENCODE
Ready for a volume order

- Pre-encoded EPC numbers
- Custom printing in bulk
- Samples for pilot testing
- Or encode in-house

WHERE IT WORKS

Where it goes

FMCG cartons
Carton tagging in godowns

Returnable totes
Totes and crates, reverse loop

Record files
Bank and government files

Tool cribs
Consumables issued from cribs

Aisle counts
Long-aisle stock counts

Pilot projects
Large quantities for a pilot

HOW IT WORKS

From a tagged item to your software

Your items
Cartons, returnable totes and crates, record files and tool-crib items

0SD012 inlay
COMPACT UHF WET INLAY
- Sticks on as supplied
- Holds your EPC in the chip
- Answers Gen2 readers, 860–960 MHz
- Read at up to 7 m
- Counted in bulk at a dock or aisle

UHF reader
Gen2 handheld, fixed or desktop reader on 865–868 MHz; up to 7 m

Your software
Warehouse, distribution, returns or record-room software

Long reads down an aisle
A circular-polarised reader antenna copes better with mixed tag orientation when you count stock down a long aisle.

WHY THE 0SD012

A volume inlay with a long reach

Made for volume
Aimed at jobs that consume tags by the thousand, where cost per label matters as much as performance.

Up to 7 m read range
Depends on the reader antenna, tag orientation and surroundings; handheld shelf counts work at closer range.

Stick on, or convert
Apply the wet inlay as supplied, or have it converted into a paper or synthetic label with a printed face.

Works with Gen2 readers
EPC Gen2 / ISO 18000-6C across 860–960 MHz, covering India's 865–868 MHz band.

Pre-encoded in bulk
Volume orders can come with custom printing and pre-encoded EPC numbers, ready to apply.

Samples for a pilot
Request samples for pilot testing before a volume order and a wider rollout.

Carton corners for liquids
On cartons of liquids, place the inlay at a carton corner with an air gap for a clean read.

A matching on-metal range
For bare metal assets, pair this inlay with our on-metal UHF tags.

CHIP AND AIR INTERFACE

Chip, air interface and range

PARAMETER	0SD012	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
Read range	Up to 7 m	Depends on reader, antenna and environment
Formats	Wet inlay	Apply as supplied or convert to a label

AT A GLANCE

- Compact UHF wet inlay for high-volume labelling
- Up to 7 m, depending on reader, antenna and environment
- Made for cardboard, plastic and wood

SUPPLIED AS

- Compact UHF wet inlays (adhesive-backed)
- Or converted into printed paper or synthetic labels: give the label size and face stock
- Custom printing and pre-encoded EPC numbers on volume orders

ORDERING

0SD012 — Code ID-RFID0SD012QSTAR. UHF RFID wet 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

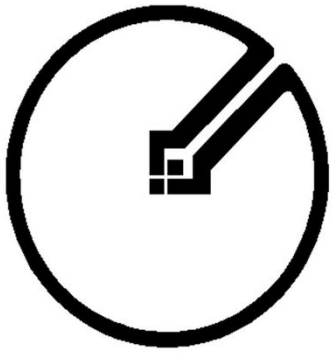
SUPPLY	
Formats	Wet inlay, or converted printed label
Options	Custom printing, pre-encoded EPC numbers, samples

INLAY	
Model	0SD012
Form factor	Compact UHF RFID wet inlay
Substrate	Thin and flexible, for flat or curved packaging
Surfaces	Cardboard, plastic and wood

ENCODING AND READING	
Readers	Standard EPC Gen2 UHF readers on 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



Pilot the inlay on your cartons.

Ask for a quotation with the quantity and format, and tell us the label size, face stock and any printing or EPC encoding 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.