UHF RFID · 860–960 MHZ · WET INLAY

E41B

A UHF wet inlay for shipper cartons, parcels and cases that pass through several hubs.

Wet inlay | EPC Gen2 | 860–960 MHz | Up to 6 m | SSCC or SGTIN

One tag from supplier to retailer.

The **Identium E41B** is an EPC Gen2 UHF RFID wet inlay on a thin, flexible substrate. It works to ISO 18000-6C across 860–960 MHz, covering India's 865–868 MHz band, and reads at up to 6 m depending on the reader and surroundings.

It is made for goods that change hands several times, from a supplier's packing bench through a 3PL warehouse to a retailer's receiving dock. It wraps onto corrugated cartons, shrink-wrapped bundles and curved containers, and suits portals, forklift readers and handhelds.



6 m	Gen2	860–960	865–868	18000-6C
Read range, up to	EPC class, wet inlay	MHz response band	MHz, India UHF band	ISO air interface

WHAT IT DOES

Apply, encode and read

APPLY
Flexible wet inlay
- Corrugated cartons
- Shrink-wrapped bundles
- Curved containers
- Face toward the antenna

ENCODE
SSCC or SGTIN
- SSCC for logistic units
- SGTIN for retail cases
- Same printer as the label
- Pre-encoded on request

READ
Up to 6 m
- Dock-door portals
- Forklift-mounted readers
- Handhelds
- Europe's 865–868 MHz too

WHERE IT WORKS

Where the label goes

Portal reads	Parcel sortation	Pallet counts	Returns	Retail goods-in	Forklift counts
Dock-door portal reads	E-commerce sortation	Pallet and case counts	Returns matched to orders	Deliveries checked unopened	Forklift cycle counts

HOW IT WORKS

From the supplier's bench to the retailer's dock

Shipments
Shipper cartons, parcels, bundles and cases moving through hubs

E41B
EPC GEN2 UHF WET INLAY
- Wraps onto cartons and bundles
- Holds an SSCC or SGTIN
- Answers Gen2 readers at 865–868 MHz
- Read by portals and forklifts
- Up to 6 m, reader-dependent

UHF reader
Dock-door portal, forklift reader or handheld on the India band

Your software
WMS, returns or retail goods-in system

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 E41B

A tag for goods that change hands

Through several hubs
From supplier to 3PL to retailer, each site reads the same EPC at its own dock.

Flexible wet inlay
Wraps onto corrugated cartons, shrink-wrapped bundles and curved containers.

Up to 6 m read range
Depending on the reader antenna, power and surroundings: room for portals and forklift readers.

SSCC or SGTIN
Encode an SSCC for logistic units or an SGTIN for retail cases, on the printer that makes the shipping label.

Pre-encoded on request
Order it pre-encoded, or encode on your own RFID printer as each label prints.

Placed for the portal
Apply it to the face that passes the antenna, or two adjacent faces, away from corners where forks rub.

Export-ready
Responds across 860–960 MHz, covering India's 865–868 MHz band and Europe's 865–868 MHz band.

Retail goods-in
Retailers check supplier deliveries at goods-in without opening boxes, and match returns to orders.

AIR INTERFACE

Air interface and encoding

PARAMETER	E41B	NOTES
Air interface	EPC Gen2 / ISO 18000-6C	Standard UHF readers and printers
Frequency	860–960 MHz	Covers India's and Europe's 865–868 MHz bands
Form factor	Wet inlay	Flexible, thin substrate
Encoding	SSCC or SGTIN	Pre-encoded on request
Read range	Up to 6 m	Depends on reader, antenna and environment

Read range depends on the reader antenna, power and the load around the tag.

AT A GLANCE

- EPC Gen2 UHF wet inlay for cartons and bundles
- Up to 6 m, depending on reader, antenna and environment
- Pre-encoded with SSCC or SGTIN on request

SUPPLIED AS

- E41B wet inlays in the quantity you order
- Blank, or pre-encoded on request
- Quoted to your numbering scheme

ORDERING

E41B — EPC Gen2 UHF RFID wet inlay, 860–960 MHz (listing code ID-RFIDE41BTAG).

SPECIFICATIONS

Technical data

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

ENCODING	
Numbering	SSCC or SGTIN
Options	Pre-encoded on request

TAG	
Model	E41B (ID-RFIDE41BTAG)
Form factor	EPC Gen2 UHF RFID wet inlay
Material	Thin, flexible substrate
Surfaces	Corrugated cartons, bundles, curved containers

READING	
Readers	Standard UHF RFID readers and printers

PRODUCT VIEWS

The E41B inlay



Test it with a loaded pallet.

Ask for a quotation with the quantity and your numbering scheme, and tell us your read points: portals, forklifts or handhelds.

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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.