UHF RFID · 860–960 MHZ · FOOD PACKAGING INLAY

9613 H3

A printable H3-chip UHF inlay for batch and lot traceability on food cases and crates.

H3 chip | Printable face | EPC Gen2 / 18000-6C | 865–868 MHz covered | Up to 6 m read range

Batch, lot and date at every handover.

The **Identium 9613 H3** is a printable UHF RFID inlay on the H3 chip, made for food packaging. Each case, tray or crate carries its own EPC, so processors, cold-chain distributors and retailers record batch, lot and date at every handover without opening boxes.

It works to EPC Gen2 / ISO 18000-6C across 860–960 MHz, covering India's 865–868 MHz band, and reads at up to 6 m depending on reader and surroundings. Print the batch and date on the face and encode the matching EPC in one pass.



6 m	H3	Gen2	860–960	865–868
Read range, up to	UHF chip	EPC / ISO 18000-6C	MHz operating range	MHz, India UHF band

WHAT IT DOES

Read, place and print

READ
H3 chip, EPC Gen2

- EPC Gen2 / ISO 18000-6C
- 860–960 MHz, covers 865–868 MHz
- Up to 6 m, reader dependent
- Cases read without opening

PLACE
On the dry outer face

- Cartons, trays and crates
- Pouches: corner or spacer
- Or the outer shipper carton
- Tested on a built pallet

PRINT AND ENCODE
Printable face

- Batch, date and lot text
- Matching EPC, same pass
- Standard UHF RFID printers
- Or printed and serialised

WHERE IT WORKS

Where it is used

Dairy and bakery
Case labels for supermarkets

Cold chain
Cold-chain cartons

Produce, seafood
Crates to market or port

Central kitchens
Deliveries to outlets

Lot tracing
Quick lot withdrawal

Backroom counts
Retail backroom stock

HOW IT WORKS

From the packing line to the store shelf

Food packs
Cartons, trays, crates and pouches of packaged food

9613 H3 tag
PRINTABLE UHF FOOD PACKAGING INLAY
- Shows batch, lot and date in print
- Holds the matching EPC on the H3 chip
- Sits on the dry outer face of the pack
- Answers Gen2 readers at 865–868 MHz
- Reads at up to 6 m, reader dependent

UHF reader
Dock, delivery and backroom reads on India's 865–868 MHz band

Traceability
Batch and lot records at every handover, for quick tracing

Printed and encoded together
A UHF RFID label printer prints batch and date and encodes the EPC in one pass, so print and chip always agree.

WHY THE 9613 H3

Traceability on every food pack

Handover records, unopened
Each case, tray or crate carries its own EPC, recorded at every handover without opening boxes or scanning one by one.

Fast lot tracing
When a product has to be withdrawn, the lot is traced quickly from the packing line to the store shelf.

Print and chip agree
Batch and date printed on the face and the matching EPC encoded in the same printer pass.

Up to 6 m read range
Rated at up to 6 m; the reader antenna, output power and surroundings set the figure.

Made for food packaging
For cartons, trays, crates and pouches: place it on the dry outer face of the pack.

Metallised pouches covered
Use a corner placement, a spacer or the outer shipper carton, so the label sits clear of the foil layer.

Thin and flexible
A thin, flexible substrate for cartons, trays and pouches.

Printed and serialised
Custom printing, serialisation and pre-encoding can be requested with a bulk quotation.

CHIP AND MEMORY

Air interface and chip

PARAMETER	9613 H3	NOTES
Chip	Alien Higgs 3 (H3)	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	Case or lot serial	Matches the printed batch and date
Read range	Up to 6 m	Depends on reader, antenna and environment

AT A GLANCE
- Printable H3-chip UHF inlay for food packaging
- Up to 6 m read range, depending on reader and surroundings
- Made for the dry outer face of cartons, trays and crates

Alien and Higgs are trademarks of Alien Technology, LLC.

SUPPLIED AS
- 9613 H3 printable UHF RFID inlays
- Custom printing, serialisation and pre-encoding on request
- Give the quantity and pack types with your quote request

ORDERING

9613 H3 — Order code ID-RFID9613H3TAGFORFOODPACKAGES. UHF RFID food packaging tag, H3 chip, printable.

SPECIFICATIONS

Technical data

RF AND CHIP	
Frequency	860–960 MHz (covers India's 865–868 MHz)
Protocol	EPC Gen2 / ISO 18000-6C
Chip	Alien Higgs 3 (H3)
Read range	Up to 6 m; depends on reader, antenna and environment

INLAY	
Form factor	Printable UHF RFID inlay for food packaging
Material	Thin, flexible substrate
Placement	Dry outer face of cartons, trays and crates

ENCODING AND READING	
Compatible with	Standard UHF RFID readers and printers

PRODUCT VIEWS

The UHF inlay



Test it on a fully built pallet.

Ask for a quotation with the quantity, your pack types and any printing or serialisation, and write the tested position into your packing SOP.

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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.