UHF RFID · 860–960 MHZ · GARMENT SOURCE-TAGGING INLAY

3045-H3

A slim H3-chip UHF garment inlay for tagging at source, in hang tags or care labels.

H3 chip | Slim garment inlay | GS1 SGTIN-96 | India and ETSI bands | Up to 6 m read range

Every piece leaves the factory tagged.

When a brand or retail buyer asks for RFID-tagged goods, the tag goes on at the factory. The **Identium 3045-H3** is a slim UHF inlay on the H3 chip that fits inside a printed hang tag, a care-label pocket or a poly-bag sticker.

Each shirt, kurta or pair of jeans leaves finishing with its own EPC. It responds across 860–960 MHz, covering India's 865–868 MHz band and the ETSI band used by European and UK retailers, and reads at up to 6 m.



6 m Read range, up to

H3 UHF chip

SGTIN-96 GS1 EPC encoding

860–960 MHz, India and ETSI

865–868 MHz, India UHF band

WHAT IT DOES

Encode, attach and verify

ENCODE
GS1 SGTIN-96

- Written as the hang tag prints
- Matches barcode, style, size
- Or pre-encoded to order
- To the buyer's EPC scheme

ATTACH
At finishing

- In a printed hang tag
- In a care-label pocket
- On a poly-bag sticker
- Clear of buttons, zips, sequins

VERIFY
Cartons before dispatch

- Packed carton read in one go
- Checked against the packing list
- Up to 6 m, antenna dependent
- Same EPC in store counts

WHERE IT WORKS

Where it is used

Source tagging
Tagged at the factory

Hang tags
Hang tags and care labels

Export orders
European and UK retailers

Carton checks
Against the packing list

Uniform issue
Uniform issue tracking

Store counts
Rail and carton counts

HOW IT WORKS

From the finishing line to a packed carton

Encode
SGTIN-96 written while the hang tag prints, matching barcode and size

3045-H3 tag
SLIM UHF GARMENT INLAY
- Inside a hang tag or care label
- Holds the SGTIN-96 in the EPC
- Answers India and ETSI-band readers
- Reads at up to 6 m, antenna dependent
- Clear of buttons, zips and sequins

Verify
Read each packed carton against the packing list

Buyer's store
Store-door carton checks and floor counts on the same EPC

Print and encode in-house
A UHF RFID printer prints brand, size, style code and barcode on the hang tag and encodes the EPC.

WHY THE 3045-H3

A source tag for domestic and export lines

Tagged at the factory
Each piece leaves the finishing line with its own EPC, ready for a brand or retail buyer's RFID programme.

One tag for two markets
860–960 MHz covers India's 865–868 MHz band and the ETSI band used by European and UK retailers.

EPC matches the barcode
Write a GS1 SGTIN-96 while the hang tag prints, so the EPC matches the barcode, style and size.

Slim inlay
Fits inside a printed hang tag, a care-label pocket or a sticker on the poly bag.

Cartons verified
Read each packed carton against the packing list before it leaves the factory.

Up to 6 m read range
Up to 6 m depending on the reader antenna and environment: enough for rail-level and carton-level counts.

Printed and pre-encoded
Custom printing of brand, size, style code and barcode, and pre-encoded EPC data, can be requested.

One EPC, factory to floor
The same EPC supports carton checks at the store door and floor counts later.

CHIP AND MEMORY

Air interface and chip

PARAMETER	3045-H3	NOTES
Chip	Alien Higgs-3	Read and written over EPC Gen2
Air interface	EPC Gen2 / ISO 18000-6C	Standard UHF readers and printers
Frequency	860–960 MHz	India 865–868 MHz and ETSI band
EPC encoding	GS1 SGTIN-96	Or the buyer's EPC scheme
Read range	Up to 6 m	Depends on antenna and environment

AT A GLANCE
- Slim H3-chip UHF inlay for garment source tagging
- Covers India's 865–868 MHz band and the ETSI band
- Up to 6 m read range, depending on antenna and surroundings

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SUPPLIED AS
- 3045-H3 slim UHF garment inlays
- Custom printing and pre-encoded EPCs on request
- Or print and encode in-house on a UHF RFID printer

ORDERING

3045-H3	Order code ID-UHF9627H3TAGFORAPPAREL. UHF RFID garment tag 3045-H3, H3 chip.

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
Read range	Up to 6 m; depends on antenna and environment

INLAY	
Form factor	Slim UHF garment tag inlay
Material	Thin, flexible substrate
Placement	Hang tag, care-label pocket or poly-bag sticker

ENCODING	
EPC scheme	GS1 SGTIN-96 or the buyer's scheme

PRODUCT VIEWS

The UHF inlay



Tag a sample order first.

Ask for a quotation with the quantity, your buyer's EPC scheme and any printing of brand, size, style code and barcode.

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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.