UHF RFID · 860–960 MHZ · RETAIL SMART LABEL

ID-5030-U7

A 50 × 30 mm printable UHF smart label with a U7 chip for retail product labelling.

U7 chip | 50 × 30 mm | EPC Gen2 | 860–960 MHz | Up to 6 m

Name, barcode, price and an EPC.

The **Identium ID-5030-U7** is a 50 × 30 mm printable UHF RFID smart label on the U7 chip. On the air it uses EPC Gen2 / ISO 18000-6C across 860–960 MHz, India's 865–868 MHz included, and reads at up to 6 m depending on antenna and environment.

The face has room for a product name, barcode and price, so one printed label can replace a separate barcode sticker while adding an EPC that a handheld counts without line of sight. It runs in standard UHF RFID printers.



6 m	50 × 30	U7	860–960	865–868
Read range, up to	Label size, mm	Chip, EPC Gen2	MHz response band	MHz, India UHF band

WHAT IT DOES

Print, stick and count

PRINT AND ENCODE
One label, one pass

- Product name, barcode, price
- GS1 SGTIN-96 in the EPC
- Calibrated once per roll
- Spot-checked with a handheld

STICK
Flat, non-metal panels

- Cartons and paper packs
- Poly bags and plastic tubs
- Cap or top face on bottles
- On-metal labels for metal packs

COUNT
U7 chip, EPC Gen2

- Up to 6 m, antenna-dependent
- Counted without line of sight
- 860–960 MHz, covers 865–868
- Handheld, desk or fixed reader

WHERE IT WORKS

Where the label goes

Retail shelves
Shelf-ready labels

Pharmacy
Pharmacy stock takes

Cosmetics, eyewear
Cosmetics and eyewear

D2C foods
Packaged food brands

Electronics
Electronics shipments

Service spares
Service-centre spares

HOW IT WORKS

From a printed label to your stock count

Products
Cartons, poly bags, plastic tubs and paper packs on shelves

ID-5030-U7
PRINTABLE UHF SMART LABEL
- Shows name, barcode and price
- Holds a GS1 EPC in the U7 chip
- Answers Gen2 readers at 865–868 MHz
- Counted without line of sight
- Up to 6 m, antenna-dependent

UHF reader
UHF handheld for counts, desktop or fixed readers, India band

Your software
Retail stock, POS or your own system

Print and encode in-house
Our UHF RFID printers print the face and write the EPC in one pass; a desktop UHF reader encodes labels at the desk.

WHY THE ID-5030-U7

One label for the shelf and the count

Replaces the barcode sticker
Product name, barcode and price on the 50 × 30 mm face, with an EPC in the chip: one label instead of two.

Print and encode in one pass
In a UHF RFID printer set for 50 × 30 mm, text and barcode print while the EPC is written.

Spot-check each roll
Calibrate the inlay position once per roll and read a sample with a handheld before it goes to the line.

Counts without line of sight
A handheld reads tagged packs on the shelf at up to 6 m, depending on antenna, power and surface.

Cartons, bags and tubs
Use a flat, non-metallic panel; on bottles of oil or shampoo, use the cap or top face.

GS1 numbering
GS1 SGTIN-96 is the usual EPC for retail, so the number travels with the product to the store.

Pre-printed rolls on request
Order rolls blank, or pre-printed and pre-encoded to your item list.

A matching on-metal range
For metallised packaging, pair this label with our on-metal UHF labels.

CHIP AND MEMORY

Air interface and memory

PARAMETER	ID-5030-U7	NOTES
Chip	NXP UCODE 7	Read and written over EPC Gen2
Air interface	EPC Gen2 / ISO 18000-6C	Any Gen2 UHF reader
Frequency	860–960 MHz	Covers India's 865–868 MHz band
EPC numbering	GS1 SGTIN-96	The usual choice for retail
Read range	Up to 6 m	Depends on reader, antenna and environment

AT A GLANCE
- 50 × 30 mm face for product name, barcode and price
- Up to 6 m, depending on reader, antenna and environment
- Runs in standard UHF RFID printers

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SUPPLIED AS
- ID-5030-U7 smart labels on rolls for UHF RFID printers
- Blank, or pre-printed and pre-encoded on request
- Quoted to your printer and item list

ORDERING

ID-5030-U7 Printable UHF RFID smart label 50 × 30 mm, U7 chip, EPC Gen2, 860–960 MHz.

SPECIFICATIONS

Technical data

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

LABEL	
Model	ID-5030-U7
Dimensions	50 × 30 mm
Form factor	Printable UHF RFID smart label
Material	Thin, flexible substrate

ENCODING AND READING	
Printing	Standard UHF RFID printers and encoders
Readers	Handheld, desktop and fixed EPC Gen2 readers

PRODUCT VIEWS

The UHF inlay inside the label



Print a trial roll.

Ask for a quotation with the quantity, and tell us your printer, your products and whether you want rolls blank or pre-printed and pre-encoded.

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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.