UHF RFID · 860–960 MHZ · ROUND OPEN-RING INLAY

ID-D27-U8

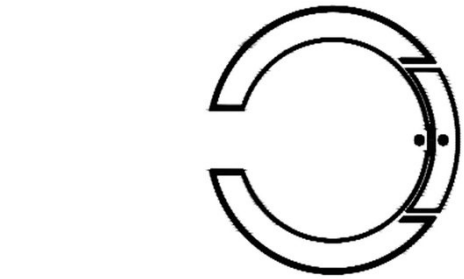
A 27 mm round UHF tag on the U8 chip for jars, tubs and round product labels.

U8 chip | 27 mm round | EPC Gen2 / 18000-6C | 860–960 MHz | Up to 6 m

Item-level RFID in the shape of your label.

The **Identium ID-D27-U8** is a 27 mm round UHF RFID inlay with an open-ring antenna and the U8 chip. It works to EPC Gen2 / ISO 18000-6C across 860–960 MHz, covering India's 865–868 MHz band, and is listed for reads up to 6 m.

Its outline matches the round labels on jar lids, tubs and many packaged goods, so brands and retailers tag at item level without changing the label shape. Encode GS1 SGTIN-96 or in-house EPCs on a UHF desktop encoder or RFID printer.



6 m	27 mm	860–960	865–868	18000-6C
Read range, up to	Round, open-ring	MHz operating band	MHz, India UHF band	ISO protocol, EPC Gen2

WHAT IT DOES

Read, fix and encode

READ
U8 chip, EPC Gen2

- EPC Gen2 / ISO 18000-6C
- 860–960 MHz, India band covered
- Up to 6 m, reader dependent
- Shelf counts with a handheld

FIX
27 mm round inlay

- Jar lids and tubs
- Round product labels
- Round asset stickers
- Follows curved lids

ENCODE
Your item codes

- GS1 SGTIN-96 or in-house EPC
- UHF desktop encoder
- Or a UHF RFID printer
- Encode before application

WHERE IT WORKS

Where the tag goes

Jars and tubs	Round labels	Pharmacy tubs	Asset stickers	Retail items	Shelf counts
Cosmetic and food jars	Round product labels	Pharmacy and hospital stores	Round asset stickers	Item-level retail tagging	Counted with a handheld

HOW IT WORKS

From a jar lid to the retailer's system

Your items
Jars, tubs, round-labelled products and plastic equipment

ID-D27-U8
27 MM ROUND UHF RFID TAG
- Sits on a jar lid or round label
- Holds a GS1 SGTIN-96 or your EPC
- Answers Gen2 readers, 860–960 MHz
- Read at up to 6 m, reader dependent
- Counted shelf by shelf

UHF reader
Handheld for shelf counts, fixed reader at receiving, 865–868 MHz

Your software
Retail stock, pharmacy stores or asset records

Encode for retail
Encode a GS1 SGTIN-96 so a retail chain's systems recognise your product and serial number.

WHY THE ID-D27-U8

A round tag for item-level retail

Matches round labels
The 27 mm round outline fits jar lids, tubs and round product labels, so the label shape stays as it is.

Item-level tagging
Tag cosmetic, food and supplement jars on the lid, where the tag sits clear of the contents.

Ready for GS1 SGTIN-96
Encode the SGTIN-96 format many retail RFID programmes expect, or your own in-house EPC.

U8 chip, EPC Gen2
EPC Gen2 / ISO 18000-6C across 860–960 MHz: standard UHF readers and RFID printers on India's band read it.

Up to 6 m read range
Listed for up to 6 m; the reader antenna, the environment and the item set the exact figure.

Pharmacy and hospital stores
Tubs in pharmacy and hospital stores, counted shelf by shelf with a UHF handheld.

Round asset stickers
A round asset sticker for plastic equipment, furniture and IT accessories.

Two chips in the D27 series
Choose the U8 ID-D27-U8 or the ID-D27 to match the chip your software or trading partners name.

CHIP AND AIR INTERFACE

Air interface and chip

PARAMETER	ID-D27-U8	NOTES
Chip	U8	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 encoding	GS1 SGTIN-96 or in-house	Written on a UHF encoder or RFID printer
Read range	Up to 6 m	Depends on reader antenna and environment

For filled jars, tag the plastic lid and test with your own reader.

AT A GLANCE

- 27 mm round, open-ring UHF inlay on the U8 chip
- Up to 6 m, depending on reader antenna and environment
- Made for jar lids, tubs, round labels and asset stickers

SUPPLIED AS

- ID-D27-U8 27 mm round UHF RFID inlays with open-ring antenna
- Samples on request, to test on your own jars, tubs or labels

ORDERING

ID-D27-U8 27 mm round UHF RFID tag, open-ring antenna, U8 chip, EPC Gen2 / ISO 18000-6C, 860–960 MHz, up to 6 m.

SPECIFICATIONS

Technical data

RF AND CHIP	
Chip	U8
Protocol	EPC Gen2 / ISO 18000-6C
Frequency	860–960 MHz (covers India's 865–868 MHz band)
Read range	Up to 6 m, depending on reader antenna and environment

ENCODING	
EPC	GS1 SGTIN-96 or in-house codes
Tools	UHF desktop encoder or RFID printer

TAG	
Dimensions	27 mm round
Form factor	Round UHF RFID inlay, open-ring antenna
Material	Thin, flexible substrate for flat or curved surfaces

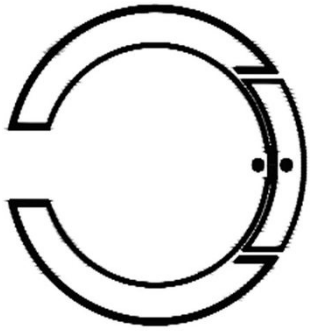
WHICH D27?

ID-D27 or ID-D27-U8

	ID-D27	ID-D27-U8
Chip	Qstar	U8
Read range	Up to 7 m	Up to 6 m
Antenna	Round, open-ring	27 mm round, open-ring
Suits	Counting from a doorway or aisle	Item-level tags on jars, tubs and round labels
Choose it when	Your software or partners name the Qstar chip	Your software or partners name the U8 chip

PRODUCT VIEWS

The 27 mm open-ring antenna



Tag a sample of your jars.

Ask for a quotation with the quantity, and tell us the products you are tagging and the EPC format your buyer needs. Samples are available.

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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.