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

ID-D27

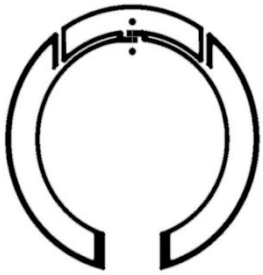
A round, open-ring UHF tag, EPC Gen2, listed for reads up to 7 m.

Round UHF inlay | EPC Gen2 / 18000-6C | 860–960 MHz | Up to 7 m | Open-ring antenna

Round lids and reels, read from the aisle.

The **Identium ID-D27** is a round UHF RFID inlay with an open-ring antenna. 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 7 m.

The extra distance helps where items are counted from a doorway or an aisle rather than one at a time. The round shape sits naturally on drum and tub lids, returnable plastic crates and the flat face of wooden cable reels.



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

WHAT IT DOES

Read, fix and encode

READ
EPC Gen2 chip

- EPC Gen2 / ISO 18000-6C
- 860–960 MHz, India band covered
- Up to 7 m, reader dependent
- Doorway and aisle counts

FIX
Round, open-ring inlay

- Drum, tub and bucket lids
- Crates and cable reels
- Plastic and wooden surfaces
- Thin, flexible substrate

CONNECT
Standard UHF readers

- Standard UHF readers
- UHF RFID printers
- Handheld or fixed readers
- Tune power during set-up

WHERE IT WORKS

Where the tag goes

Plastic drum lids
Drum, tub and bucket lids

Returnable crates
Plant-to-supplier crates

Cable reels
Wooden cable and hose reels

Rental equipment
Plastic rental items

Dock doors
Fixed-reader counts

Aisle counts
Handheld stock counts

HOW IT WORKS

From a lid or reel to your records

Your items
Drum and tub lids, returnable crates, cable reels, rental items

ID-D27
ROUND UHF RFID TAG, OPEN-RING ANTENNA
- Sits on a lid, crate or reel face
- Holds the item ID in the chip
- Answers Gen2 readers, 860–960 MHz
- Read at up to 7 m, reader dependent
- Counted from a doorway or aisle

UHF reader
Handhelds for stock counts, fixed readers at dock doors, 865–868 MHz

Your software
Container, crate and reel tracking, or your own system

Set up each read point
Tune reader power during set-up so each read point counts the rack or door in front of it.

WHY THE ID-D27

A round tag for doorway and aisle counts

Up to 7 m read range
Listed for up to 7 m, a metre more than the U8-chip ID-D27-U8; the reader, antenna and the item set the exact figure.

Counts from a distance
Suits counting from a doorway or an aisle, with handhelds for stock counts and fixed readers at dock doors.

Round, open-ring antenna
The open-ring shape sits on circular label areas: drum lids, tub tops and the face of a reel.

Plastic and wooden items
Made for plastic and wooden surfaces; for steel drums, fix it to a plastic lid or label holder, or use an on-metal tag.

EPC Gen2 chip
EPC Gen2 / ISO 18000-6C across 860–960 MHz: any UHF reader or RFID printer on India's band reads it.

Returnable crates
Follows returnable plastic crates and totes as they move between a plant and its suppliers.

Cable and hose reels
Tag wooden cable reels and hose reels on the flat face, and count the yard with a handheld.

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

CHIP AND AIR INTERFACE

Air interface and chip

PARAMETER	ID-D27	NOTES
Chip	Qstar	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
Read range	Up to 7 m	Depends on reader antenna and environment
Form factor	Round UHF inlay	Open-ring antenna

Plastic lids and crates give good results; test on your own items at your read points.

AT A GLANCE

- Round, open-ring UHF inlay, EPC Gen2 chip
- Up to 7 m, depending on reader antenna and environment
- Made for plastic and wooden lids, crates and reels

SUPPLIED AS

- ID-D27 round UHF RFID inlays with open-ring antenna
- Samples on request, to test on your own lids, crates or reels

ORDERING

ID-D27	Round UHF RFID tag, open-ring antenna, EPC Gen2 / ISO 18000-6C, 860–960 MHz, up to 7 m.

SPECIFICATIONS

Technical data

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

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

READING AND ENCODING	
Compatible with	Standard UHF RFID readers and printers
Readers	Handhelds and fixed readers on 865–868 MHz

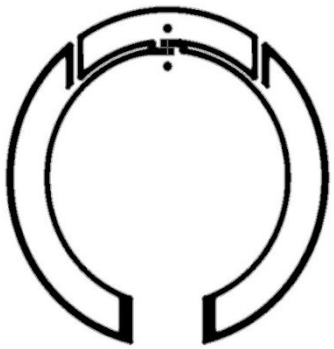
WHICH D27?

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 open-ring antenna



Test it at your read points.

Ask for a quotation with the quantity, and tell us what you are tagging and where it will be read. Samples are available to compare the ID-D27 and ID-D27-U8.

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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.