UHF RFID · 860–960 MHZ · INLAY TAG

ID-5030-U9

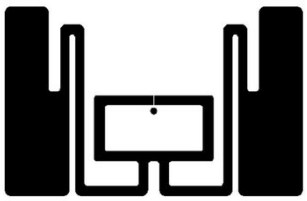
A flexible UHF label-tag with a U9 chip for stacked cartons, portals and handheld counts.

U9 chip | High read sensitivity | EPC Gen2 / 18000-6C | 860–960 MHz | Up to 6 m read range

Reads deep into a carton stack.

The **Identium ID-5030-U9** is a flexible UHF RFID label on the U9 chip, known for high read sensitivity. It works to EPC Gen2 / ISO 18000-6C across 860–960 MHz, which covers India's 865–868 MHz band, and reads at up to 6 m depending on antenna and environment.

That sensitivity helps when cartons are stacked several deep, when reader power is kept low or when a tag sits at the edge of a portal's field. Existing Gen2 readers and middleware read and write it without changes.



6 m	U9	Gen2	860–960	865–868
Read range, up to	High-sensitivity chip	EPC Gen2 / ISO 18000-6C	MHz response	MHz, India UHF band

WHAT IT DOES

Read, stick and encode

READ
High-sensitivity U9 chip

- EPC Gen2 / ISO 18000-6C
- 860–960 MHz, India band included
- Up to 6 m, antenna-dependent
- Strong in deep stacks

STICK
Flexible label

- Flat on every carton
- Same orientation each time
- Flat and curved faces
- Clear of foil laminates

ENCODE
Your EPC scheme

- Standard UHF RFID printers
- Desktop readers
- Pre-encoded to order
- Printed to order

WHERE IT WORKS

Where the tag goes

Carton stacks
Cartons read through a stack

Dock-door portals
Pallets, cages and trolleys

Cold stores
Cold-store inventory

Pharma warehouses
Pharma carton tracking

Archive boxes
Read from a scanning trolley

Hospital assets
Handheld counts, large floors

HOW IT WORKS

From a carton stack to your warehouse system

Your items
Stacked cartons, pallets, cages, trolleys and archive boxes

ID-5030-U9
FLEXIBLE UHF LABEL-TAG, U9 CHIP
- Holds the carton's EPC
- High sensitivity for deep stacks
- Answers Gen2 readers at 865–868 MHz
- Reads at up to 6 m
- Same orientation on every carton

UHF reader
Dock-door portal, shelf-scanning trolley or handheld, 865–868 MHz

Your software
Existing Gen2 middleware, WMS or asset software

Portals and handhelds
Fixed UHF readers for dock-door portals and handheld readers for floor counts: ask for a set for your site.

WHY THE ID-5030-U9

Sensitivity where it counts

High read sensitivity
The U9 chip helps in stacks several deep, at low reader power and at the edge of a portal's field.

Up to 6 m
Rated up to 6 m; reader antenna, transmit power, tag orientation and the material below set the range.

Made for portals
Pallets, cages and trolleys passing dock-door portals read as they move.

No software changes
It answers standard EPC Gen2 commands, so existing readers and middleware read and write it.

Cold stores and pharma
Cartons read through a stack in cold stores and pharma warehouses.

Steady, repeatable reads
Keep the label flat and orient every carton the same way for consistent portal reads.

Encoded and printed to order
Custom encoding and printing for bulk orders, with samples to benchmark against your label.

Margin you can measure
In a pilot, lower reader power step by step to see the margin before reads drop.

CHIP AND MEMORY

Air interface and memory

PARAMETER	ID-5030-U9	NOTES
Chip	NXP UCODE 9	High read sensitivity
Air interface	EPC Gen2 / ISO 18000-6C	Existing Gen2 readers and middleware
Frequency	860–960 MHz	Covers India's 865–868 MHz band
Read range	Up to 6 m	Depends on reader, antenna and environment

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AT A GLANCE
- U9 chip with high read sensitivity, EPC Gen2
- Up to 6 m, depending on reader, antenna and environment
- Works with existing Gen2 readers and middleware

SUPPLIED AS
- Flexible UHF label-tags, ID-5030-U9
- Blank, or custom encoded and printed for bulk orders
- Samples available to benchmark against your current label

ORDERING

ID-5030-U9	Flexible UHF RFID label-tag, U9 chip, EPC Gen2, up to 6 m.

SPECIFICATIONS

Technical data

RF AND CHIP	
Chip	NXP UCODE 9
Frequency	860–960 MHz (covers India's 865–868 MHz band)
Protocol	EPC Gen2 / ISO 18000-6C
Read range	Up to 6 m; depends on reader, antenna and environment

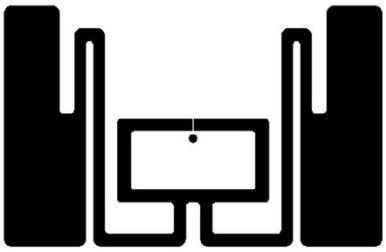
SUPPLY	
Options	Custom encoding and printing, bulk orders
Samples	Available on request

TAG	
Model	ID-5030-U9
Form factor	Flexible UHF RFID label
Material	Thin, flexible substrate
Surfaces	Flat and curved non-metal surfaces

ENCODING AND READING	
Encoding	Standard UHF RFID printers and desktop readers
Readers	Any EPC Gen2 UHF reader set to 865–868 MHz

PRODUCT VIEWS

The UHF inlay antenna



Benchmark it against your label.

Ask for samples or a quotation with the quantity, your EPC scheme and how your cartons are stacked and read.

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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.