UHF RFID · 860–960 MHZ · LARGE-FORMAT LABEL

ID-5050

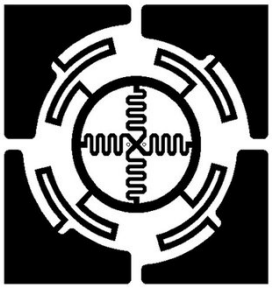
A large-format UHF label for cartons and unit loads read at dock-door portals.

Dock-door reads | Large-format label | EPC Gen2 / 18000-6C | 860–960 MHz | Up to 7 m read range

Loads read as they move.

The **Identium ID-5050** is a flexible, large-format UHF label for cartons and unit loads. It works to EPC Gen2 / ISO 18000-6C across 860–960 MHz, covering India's 865–868 MHz band, and reads at up to 7 m depending on antenna and environment.

That reach suits goods-in and goods-out: a portal or overhead antenna at the dock door reads the labels on a load as it moves through, instead of someone scanning barcodes carton by carton. Encode an SSCC or your own load number.



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

WHAT IT DOES

Read, label and encode

READ
UHF chip, large format

- EPC Gen2 / ISO 18000-6C
- 860–960 MHz, India band included
- Up to 7 m, antenna-dependent
- Portal and overhead reads

LABEL
Flexible label for loads

- Cartons and unit loads
- One height, one face
- Applied after stretch-wrap
- Flat and curved surfaces

ENCODE
SSCC or load number

- Standard UHF RFID printers
- Desktop encoders
- Number printed as text
- Pre-encoded to order

WHERE IT WORKS

Where the tag goes

Dispatch checks	Carton labels	Unit-load placards	Depot transfers	Receiving	Container loading
Goods-out verification	Carton labelling	Wrapped unit loads	Loads between depots	Distributor goods-in	Container stuffing checks

HOW IT WORKS

From a labelled load to your dispatch records

Your items
Cartons and stretch-wrapped unit loads on wooden or plastic pallets

ID-5050
LARGE-FORMAT FLEXIBLE UHF LABEL
- Holds the SSCC or load number
- Same spot on every load
- Answers Gen2 readers at 865–868 MHz
- Reads at up to 7 m
- Read on the move at the dock

UHF reader
Portal or overhead antenna at the dock door, set to 865–868 MHz

Your software
WMS, dispatch and receiving records

Commission with full loads
Set up each read point with fully loaded pallets: the goods themselves shape the read field.

WHY THE ID-5050

Made for dock doors

Read on the move
A portal or overhead antenna at the dock door reads the load as it passes through.

Up to 7 m
Rated up to 7 m; reader antenna, transmit power, tag orientation and the material below set the range.

Large-format label
A large, flexible label for cartons and unit loads, on flat or curved faces.

SSCC or your load number
Write an SSCC or your own load number on an RFID printer or desktop encoder.

Human-readable too
Print the SSCC or load number as text on the face as a fallback.

Existing readers and printers
EPC Gen2 / ISO 18000-6C on India's band: your current UHF readers and printers work.

One height, one face
Place the label in the same spot on every load so the antenna finds it at once.

On-metal tags for steel
For steel pallets and cages, choose our on-metal UHF tags.

CHIP AND MEMORY

Air interface and memory

PARAMETER	ID-5050	NOTES
Chip	Qstar	UHF chip, 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	SSCC or load number	Written by printer or encoder
Read range	Up to 7 m	Depends on reader, antenna and environment

Order as ID-5050 Qstar for this UHF label.

AT A GLANCE

- Gen2 chip, large-format flexible UHF label
- Up to 7 m, depending on reader, antenna and environment
- Made for cartons and wrapped unit loads

SUPPLIED AS

- Large-format UHF labels, ID-5050 (UHF)
- Blank, or pre-encoded with printed artwork, to order
- Mention "UHF" with the quantity in your quotation request

ORDERING

ID-5050 UHF — Large-format flexible UHF RFID label, EPC Gen2, up to 7 m.

SPECIFICATIONS

Technical data

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

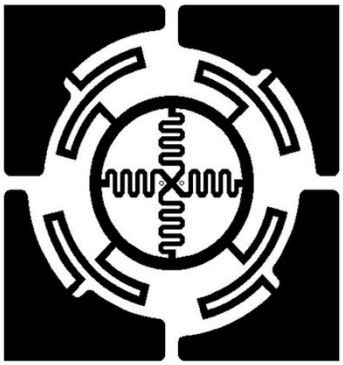
SUPPLY	
Options	Pre-encoded, printed artwork, to order

TAG	
Model	ID-5050 (Qstar)
Form factor	Large-format flexible UHF label
Material	Thin, flexible substrate
Use on	Cartons and wrapped unit loads

ENCODING AND READING	
Encoding	Standard UHF RFID printers or desktop encoders
EPC data	SSCC or your own load number
Readers	Any EPC Gen2 UHF reader set to 865–868 MHz

PRODUCT VIEWS

The UHF inlay antenna



Label a loaded pallet and read it.

Ask for a quotation with the quantity, your SSCC or load-numbering scheme and the dock doors you want to read at.

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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.