UHF RFID · 860–960 MHZ · PRINTABLE LABEL

# ID-1642-U8

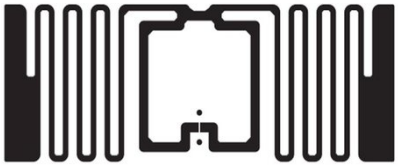
A printable U8-chip UHF label for bin and shelf locations, cartons and totes.

U8 chip | EPC Gen2 | 865–868 MHz | Up to 6 m | Printable label

## Read a whole shelf face from the aisle.

The **Identium ID-1642-U8** is a printable UHF RFID label on the U8 chip for warehouse work. It works to EPC Gen2 / ISO 18000-6C across 860–960 MHz and reads at up to 6 m, by antenna and environment, so a handheld captures a shelf face from the aisle.

Mark bin and shelf locations, tag cartons at the packing bench and check goods in against advance shipping notices. Print the location code and barcode while the printer writes the EPC, then check each label on a desktop reader.



| 6 m | U8 | 860–960 | 865–868 | 1 pass |
|---|---|---|---|---|
| Read range, up to | Chip | MHz frequency range | MHz, India UHF band | Print and encode together |

WHAT IT DOES

## Read, mark and print

### READ
**U8 chip, EPC Gen2**

- EPC Gen2 / ISO 18000-6C
- Covers India's 865–868 MHz band
- Up to 6 m, reader dependent
- A shelf face from the aisle

### MARK
**Bins, shelves and cartons**

- On shelf face plates
- Cartons and totes
- Same spot on every carton
- On-metal tags for bare racks

### PRINT AND ENCODE
**Location code and EPC**

- Location code and barcode
- EPC written in the same pass
- Check on a desktop reader
- Or supplied pre-encoded

WHERE IT WORKS

## Where the label goes

**Bin locations**
Bin and shelf locations

**Cartons**
Carton tagging at packing

**Goods receipt**
Checks against the ASN

**Totes and crates**
Tote and crate ID

**Component stores**
Bins feeding a production line

**Shared warehouses**
Stock audits per client

HOW IT WORKS

## From a labelled location to your WMS

**Your stock**
Shelf face plates, bins, cartons and totes

→

**ID-1642-U8**
PRINTABLE UHF WAREHOUSE LABEL
- Holds the location or carton ID
- Shows the code and a barcode
- U8 chip, EPC Gen2
- Answers readers at 865–868 MHz
- Read at up to 6 m from the aisle

→

**UHF reader**
Handheld in the aisle; portal reader for cartons and totes

→

**Your WMS**
Locations, goods receipt, cycle counts and replenishment

**Print, encode, check**
A UHF RFID label printer prints the code and writes the EPC; a desktop reader checks each label before it goes up.

WHY THE ID-1642-U8

## One label for locations and cartons

**Up to 6 m read range**
A handheld captures a whole shelf face from the aisle; the reader antenna and surroundings set the exact figure.

**Print and encode in one pass**
A UHF RFID label printer prints the location code and barcode and writes the EPC together.

**Checked before it goes up**
Read each label on a desktop reader at the print station before it goes on the shelf.

**Bin and shelf locations**
Fix it to the plastic or cardboard face plate of a shelf; for bare steel racks, choose our on-metal UHF tags.

**Cartons and totes**
Keep the label in the same place on a broad face of every carton or tote, so portal read zones are tuned once.

**Shared and 3PL warehouses**
Run stock audits per client, and tag bins in component stores that feed a production line.

**Works with Gen2 readers**
EPC Gen2 / ISO 18000-6C across 860–960 MHz: fixed and handheld UHF readers on India's 865–868 MHz band read it.

**Printed in-house or pre-encoded**
Print and encode on your own label printer, or order the labels pre-encoded.

CHIP AND MEMORY

## Air interface and chip

| PARAMETER | ID-1642-U8 | NOTES |
|---|---|---|
| **Chip** | U8 | Read and written over EPC Gen2 |
| **Air interface** | EPC Gen2 / ISO 18000-6C | Standard UHF readers and RFID label printers |
| **Frequency** | 860–960 MHz | Covers India's 865–868 MHz band |
| **Read range** | Up to 6 m | Depends on antenna and environment |

AT A GLANCE

- Printable UHF label with a U8 chip
- Up to 6 m: a shelf face read from the aisle
- Location code, barcode and EPC in one print pass

SUPPLIED AS

- Printable UHF RFID labels on a thin, flexible substrate
- Blank for in-house printing, or pre-encoded on request
- Give the quantity and your numbering with your quotation request

ORDERING

| | |
|---|---|
| **ID-1642-U8** | Printable UHF RFID warehouse label, U8 chip, EPC Gen2, up to 6 m. |

SPECIFICATIONS

# Technical data

## RF AND CHIP

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

## ENCODING AND READING

| | |
|---|---|
| Printing | Standard UHF RFID label printers |
| Encoding | EPC in the same pass, or pre-encoded |

## LABEL

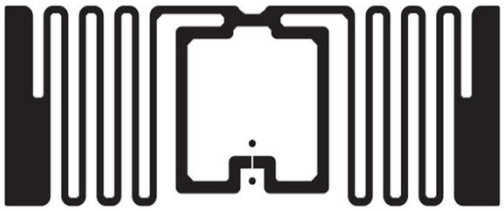
| | |
|---|---|
| Form factor | Printable UHF label |
| Substrate | Thin, flexible; flat and curved surfaces |
| Placement | Plastic or cardboard shelf face plates, cartons, totes |

## READERS

| | |
|---|---|
| Handheld | Shelf and bin counts from the aisle |
| Fixed | Portal reads of cartons and totes |

PRODUCT VIEWS

# The label inlay



## Label one aisle and test it.

Ask for a quotation with the quantity, tell us whether you print in-house or want the labels pre-encoded, and how your shelves and bins are built.

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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.*