UHF RFID · 865–868 MHZ · GARMENT LABEL

ID-5030-R6

A 50 × 30 mm R6-chip garment label with a printable PET face, for apparel source tagging.

R6 chip, 96-bit EPC | 50 × 30 mm | GS1 SGTIN-96 | Printable PET face | 865–868 MHz

Tag garments at source, read them in store.

Apparel brands and garment factories use the **Identium ID-5030-R6** to tag items at source for GS1 retail RFID programmes. It is a 50 × 30 mm UHF label on the R6 chip, with a 96-bit EPC and a printable PET face over a permanent adhesive.

At close to the size of a woven care label, it can share the care label's attachment point. It works to EPC Gen2 / ISO 18000-6C at 865–868 MHz and reads at 2–5 m in free air, or 1–3 m on a folded garment.



2–5 m	1–3 m	50 × 30	96-bit	865–868
Read range, free air	On a folded garment	Label size, mm	EPC memory	MHz, India UHF band

WHAT IT DOES

Read, fit and print

READ
R6 chip, 96-bit EPC

- EPC Gen2 / ISO 18000-6C
- 865–868 MHz, India UHF band
- 2–5 m in free air
- 1–3 m on a folded garment

FIT
Care-label sized

- 50 × 30 mm
- Shares the care label point
- Permanent adhesive
- Same position on every style

PRINT AND ENCODE
Printable PET face

- Brand, size and care text
- GS1 SGTIN-96 EPC
- Printed and encoded in one pass
- Or pre-encoded and printed

WHERE IT WORKS

Where it is used

Source tagging
Applied before packing

DC receiving
Cartons read unopened

Replenishment
Missing sizes on the floor

Fitting rooms
Tried-on, unsold styles

Click and collect
Items found quickly

Cycle counts
Handheld store counts

HOW IT WORKS

From the garment factory to the store floor

Factory
Label applied and encoded before packing, one EPC per piece

ID-5030-R6
UHF RFID CLOTHING LABEL
- Carries brand, size and care text
- Holds an SGTIN-96 in the 96-bit EPC
- Answers Gen2 readers at 865–868 MHz
- 2–5 m free air, 1–3 m folded
- Shares the care label's attachment

DC and store
Fixed reader at receiving, UHF handheld for store counts

Your software
ASN checks, replenishment, fitting-room and stock data

Print and encode in one pass
An RFID label printer prints brand, size and care text on the PET face and writes the SGTIN-96 EPC together.

WHY THE ID-5030-R6

A garment label for retail RFID programmes

Care-label sized
50 × 30 mm is close to a standard woven care label, so it can share its attachment point on every style.

Ready for GS1 programmes
A 96-bit EPC encoded as a GS1 SGTIN-96, the format retail RFID programmes use, read by any EPC Gen2 system.

Read on folded stock
2–5 m in free air and 1–3 m on a folded garment; reader, antenna, power and packing set the exact figure.

Printable PET face
Brand, size and care text are printed on the PET face while the chip is encoded, in the same printer pass.

Cartons read unopened
At the distribution centre, cartons are read at receiving and checked against the advance shipping notice.

Store data from one label
Handheld counts flag missing sizes and colours; fitting-room readers show styles tried on and left unsold.

Pre-encoded and printed
SGTIN-96 pre-encoding and printing with brand and care details can be requested with your artwork.

Permanent adhesive
A permanent adhesive keeps the label in place from the factory to the store.

CHIP AND MEMORY

Air interface and memory

PARAMETER	ID-5030-R6	NOTES
Chip	Impinj Monza R6	Read and written over EPC Gen2
Air interface	EPC Gen2 / ISO 18000-6C	Any EPC Gen2 retail RFID system
Frequency	865–868 MHz	India UHF band
EPC memory	96 bits	GS1 SGTIN-96 supported
Read range	2–5 m / 1–3 m	Free air / on a folded garment

Impinj and Monza are trademarks of Impinj, Inc.

AT A GLANCE

- 50 × 30 mm R6-chip garment label, printable PET face
- 2–5 m in free air, 1–3 m on a folded garment
- 96-bit EPC with GS1 SGTIN-96 encoding

SUPPLIED AS

- ID-5030-R6 UHF RFID clothing labels, 50 × 30 mm
- Pre-encoded (SGTIN-96) and printed on request
- Samples to test on your own garments

ORDERING

ID-5030-R6 UHF RFID clothing label 50 × 30 mm, R6 chip, 96-bit EPC, printable PET face.

SPECIFICATIONS

Technical data

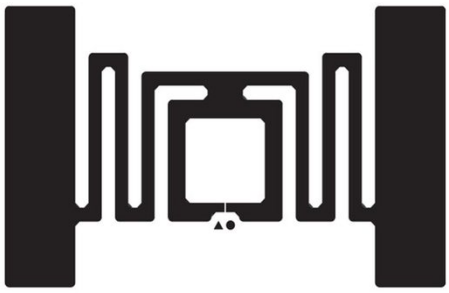
RF AND CHIP	
Frequency	865–868 MHz (India)
Protocol	EPC Gen2 / ISO 18000-6C
Chip	Impinj Monza R6
Memory	96-bit EPC
Read range	2–5 m in free air; 1–3 m on a folded garment

LABEL	
Dimensions	50 × 30 mm
Face	Printable PET
Adhesive	Permanent

ENCODING	
EPC scheme	GS1 SGTIN-96 supported
Printing	RFID label printer, same pass

PRODUCT VIEWS

The UHF inlay inside the label



Test it on your own trims.

Ask for a quotation or samples with your artwork and numbering scheme, and tell us where the label will sit on your garments.

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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.