UHF RFID · 860–960 MHZ · WOVEN FABRIC LABEL

ID-4015-U8

A woven fabric label with a U8-chip UHF inlay inside, sewn into garments and linen.

U8 chip | EPC Gen2 | 865–868 MHz | Up to 6 m | Sewn-in woven label

The tag becomes part of the garment.

The **Identium ID-4015-U8** hides a UHF RFID inlay with a U8 chip inside a woven fabric label. It works to EPC Gen2 / ISO 18000-6C across 860–960 MHz and reads at up to 6 m, depending on reader, antenna and environment.

Sewn into a seam, hem or neck like a brand or care label, it stays with the shirt, towel or bedsheet for its working life. A handheld counts a folded stack or a laundry trolley without anyone unfolding items.



6 m	U8	860–960	865–868	Gen2
Read range, up to	Chip	MHz frequency range	MHz, India UHF band	EPC / ISO 18000-6C

WHAT IT DOES

Read, sew and encode

READ
U8 chip, EPC Gen2

- EPC Gen2 / ISO 18000-6C
- Covers India's 865–868 MHz band
- Up to 6 m, reader dependent
- Folded stacks counted at once

SEW
Woven fabric label

- Into a seam, hem or neck
- Stitch around the border
- Brand and care label in one
- Thin, follows soft fabric

ENCODE
Before the sewing line

- Desktop encoder
- Or an RFID printer
- Custom printing on bulk orders
- Pre-encoded EPC numbers

WHERE IT WORKS

Where the label goes

Garment brands
Brand labels on apparel

Care labels
One label, two jobs

Hotel linen
Towels, sheets, pillow covers

Hospital linen
Linen in and out of laundry

Staff uniforms
Issued, collected, reissued

Laundry trolleys
Counted without unfolding

HOW IT WORKS

From a tagged garment to your laundry records

Textiles
Apparel, towels, bedsheets, pillow covers and workwear

ID-4015-U8
UHF RFID WOVEN LABEL
- Holds a unique EPC per item
- Sewn in for the item's working life
- Doubles as the brand or care label
- Answers Gen2 readers, 865–868 MHz
- Read at up to 6 m, reader dependent

UHF readers
Handhelds, fixed portal or tunnel readers, desktop encoders

Your software
Garment stock, linen laundry counts or uniform issue

Pilot it through your wash
Run a sample batch through your own wash, dry and press routine before production quantities.

WHY THE ID-4015-U8

RFID that is sewn in to stay

Part of the item
A woven label sewn into the shirt, towel or bedsheet stays with it for its working life, in place of a swing ticket.

Brand, care and RFID in one
One woven label carries your brand or care text and the UHF inlay together.

Up to 6 m read range
A handheld counts a folded stack or a laundry trolley at once; folding, damp fabric and fittings affect the figure.

Thin and flexible
Follows soft and curved fabric, so it sits like a normal woven label.

Linen and uniforms
Towels and sheets counted in and out of hotel and hospital laundries; workwear issued, collected and reissued.

Encoded before sewing
Write each EPC with a desktop encoder or an RFID printer before the labels reach the sewing line.

Simple to sew
Stitch around the border, clear of the embedded inlay, and away from metal zips, rivets and press studs.

A dedicated laundry range
A washable woven label; for heavy industrial laundering, choose our purpose-built laundry tags.

CHIP AND MEMORY

Air interface and chip

PARAMETER	ID-4015-U8	NOTES
Chip	NXP UCODE 8	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 6 m	Depends on reader, antenna and environment

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AT A GLANCE
- Woven fabric label with an embedded U8 UHF inlay
- Sewn in like a brand or care label
- Up to 6 m, depending on reader, antenna and environment

SUPPLIED AS
- Woven fabric labels with an embedded UHF RFID inlay
- Custom printing and pre-encoded EPC numbers on bulk orders
- Send your artwork and numbering with your quotation request

ORDERING

ID-4015-U8	UHF RFID woven label, U8 chip, EPC Gen2, up to 6 m, sewn-in.

SPECIFICATIONS

Technical data

RF AND CHIP	
Frequency	860–960 MHz (covers India's 865–868 MHz band)
Protocol	EPC Gen2 / ISO 18000-6C
Chip	NXP UCODE 8
Read range	Up to 6 m (depends on reader, antenna and environment)

ENCODING	
In-house	Desktop encoder or RFID printer
To order	Custom printing and pre-encoded EPC

LABEL	
Type	Woven fabric label with embedded UHF RFID inlay
Material	Woven fabric
Attachment	Sewn into a seam, hem or neck
Sewing	Stitch around the border

READERS	
Compatible	Handhelds, portal or tunnel readers, desktop encoders

PRODUCT VIEWS

The inlay inside the label



Sew a sample batch in.

Ask for a quotation with the quantity, your artwork and numbering, and tell us what the labels go into and how the items are washed.

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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.