

INVENGO LINTRAK C UHF TAG



About Invengo's LinTRAK C Discreet, Resistant and Flexible Tag

Invengo's LinTRAK C RAIN RFID (UHF) tags have been specifically designed to identify linen and textile products to meet the tracking requirements of the laundry industry in terms of shape, robustness and ease of fixation. LinTRAK C is based on a unique and patented concept developed by Invengo. It uses a very small UHF device coupled to a sewed secondary antenna made of an innovative and flexible thread.



Invengo's Textile Services division provides an innovative and highly performant IoT Linen Inventory Management Platform (ACUITY), enabling the industrial Laundry industry worldwide as well as their Hospitality and Healthcare customers, to gain continuous access to real-time inventory visibility/availability of their textile assets and to make intelligent business decisions to increase their profitability.

Invengo Technology Pte. Ltd. (Singapore) is the International Headquarters of Invengo Information Technology Co. Ltd, listed on Shenzhen Stock Exchange (SZSE: 002161.SZ). Employing over 600 people globally, Invengo is one of the largest publicly traded, RFID/IoT oriented companies in the world.

Key Benefits

- Specifically designed for Linen products
- Resistant to harsh laundry environments
- Easy of affix onto textile items
- Excellent read performance

All tags are encoded according to SGTIN96 format to improve our logistics and production management, and provide you with enhanced service quality.

Product Specifications

General

Frequency	860 to 960 MHz
Operating Mode	Passive
Tag Dimensions	Standard (+/-5%); 20 x 60 mm (0.78 x 2.36 in)
Tag Thickness	2,1 mm (0.082 in) (on chip location only; rest of tag is <0.08 mm (0.03 in)
Performance	Typical 6 m (20 feet)
Storage Temperature	21°C (+/-10°C), 69.8°F (+/-50°F) (22°C, 50% RH)

RFID

Operating Protocol	EPC global UHF Class 1 Gen 2, ISO 18000-63
IC	Monza 5
EPC Memory	Standard 96 bits (up to 128 bits)
Data Retention	50 years

Material

UHF Module	Encapsulated chip, epoxy
Antenna	Multi threads, woven, stainless steel
Fabric Label	Polyester

Personalization (Optional)

Unique EPC code (unlocked)
Custom EPC range & locking on request

Delivery

Delivered in units. Can also be sold inside a white pouch with printed logo. (please contact us for details and prices)

Laundry Cycle Performance

Maximum Temperature	220°C (428°F) / 30 seconds /
Exposure	2.5 bars (36.28 PSI)
Tunnel Washer	90°C (194°F) / 15 minutes
Pre-drying in Tumbler	160°C (320°F) / 30 minutes
Tunnel Finisher	185°C (365°F) / 30 minutes
Sterilization Process	134°C (273°F) / 20 minutes
Water Extractor Press	60 bars*
Chemical resistance	All standard chemicals used in laundry process
Warranty	200 cycles or 3 years

Product Reference	TL650E10
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* Performance level measured and guaranteed in Invengo's Laundry tests and conditions

Additional Information

LinTRAK C is easily affixed onto textile products using a standard sewing or patching process. It can also be sewed along the edge of the item or incorporated in the hem.

LinTRAK C can be read at distances over 3 metres when used in conjunction with Invengo fixed and portable UHF RFID Reading Stations.

As part of the Invengo [ACUITY] offer for laundries, LinTRAK C contributes to:

- Automate operational processes inside the laundry
- Accelerate and improve the accuracy of information flows between the laundry and its customers
- Provide reliable status on linen availability at laundries and end-user sites
- Offer a new range of client services such as loss prevention and real-time storage management

APAC

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