Invengo

INVENGO LINTRAK-SLIM

UHF TAG

About Invengo's LinTRAK-Slim UHF Tag

Invengo's LinTRAK-Slim UHF RFID tags have been specifically designed to be discreetly integrated into linen and various textile products used in commercial laundries and their customer sites such as hospitals and hotels. Just 1,1mm thick, LinTRAK-Slim is the thinnest woven RFID label on the Textile Services market. Small in size, 10mm wide and 59mm long, it provides rapid and seamless insertion into the hem of textile items. Furthermore, LinTRAK-Slim integrates the latest EPC Gen 2 UHF chip on the market. The tag is based on a unique and patented concept that couples a very small UHF device with a sewed, secondary antenna made from flexible stainless steel thread-like material.

RAIN RFID

Invengo – the global RFID technology provider – is a leading developer and manufacturer of high quality, intelligent RAIN RFID (UHF) and HF/NFC connectivity solutions and consumables (tags & inlays) utilized in the Internet of Things. With a focus on RFID innovation, Invengo has created a leading product line in retail, (industrial) laundry, library, (public) transportation, healthcare and many other industries.

Invengo Technology Pte. Ltd. (SG) 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 oriented companies in the world.

Key Benefits

- Slim, discreet and non-obtrusive
- The right size for hem insertion
- Based on the latest ePC Gen 2 UHF chip generation

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%): 10 x 59 mm (0.39 x 2.32 in)
Tag Thickness	1,1mm and 1,2mm (0.039 in) on chip location
RFID	
Operating Protocol	EPC global UHF Class 1 Gen 2, ISO 18000-63
IC	Monza R6-P
User Memory	64 bits
Serialized TID	48 bits
Security	Access Password (optimal)
Data Retention	50 years
Material	
UHF Module	Encapsulated chip, epoxy
Antenna	A-magnetic wire
Fabric Label	100% Polyester
Personalization (Optional)	Possible EPC memory encoding
Compatibility	MR Conditional (1.5T and 2T)
Laundry Cycle Performance	
Maximum Temperature Exposure	220ºC (428ºF) / 30 seconds / 2.5 bars (36.28 PSI)
Tunnel Washer	90ºC (194ºF) / 15 minutes
Pre-drying in Tumbler	160ºC (320ºF) / 30 minutes
Tunnel Finisher	185ºC (365ºF) / 30 minutes
Sterilization Process	135°C (275°F) / 25 minutes
Water Extractor Press	60 bars*
Waranty	200 cycles or 3 years
Product Reference	TLR6PE01

Additional Information

LinTRAK-Slim is non-intrusive and can be easily incorporated in the hem of the textile product. LinTRAK-Slim can be read at distances over 3 meters when used in conjunction with Invengo fixed and portable UHF RFID Reading Stations.

As part of the Invengo [ACUITY] offer for laundries, LinTRAK -Slim 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

About Invengo Textile Services

Invengo provides a smart-linen system called ACUITY, enabling real-time inventory visibility of textile assets, through reliable tracking an monitoring of their flow, usage and life cycle from linen suppliers to laundry groups and their customers. Our innovative and proven technology platform, combining RFID tags and hardware, software and services, adapts to our customers evolving requirements in terms of stock volumes and multiple site deployments. It significantly contributes to: efficient monitoring of linen, increased financial gains through reduced operational costs, optimized stocks an purchases, and improved customer satisfaction.

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