

LinTRAK Tags

Linen UHF Tags for Textile Services

HID Global's LinTRAK ultra-high frequency (UHF) radio-frequency identification (RFID) tags have been specifically designed to identify linen and textile products.

LinTRAK® tags meet the rigid tracking requirements of the laundry industry, thanks to their shape, durability and ease of fixation, withstanding the rigors of repeated washing, including exposure to water, cleaning chemicals, sterilizing heat and water extraction pressure. The patented manufacturing process ensures cost-effective tags that deliver reliable, consistent performance throughout their entire life cycle.

LinTRAK tags are compliant with EPC global UHF Class 1 Gen 2 and ISO 18000-63 RAIN® RFID standards. This means that they are encoded with a unique EPC code, following GS1 standards (SGTIN96 format) which can be re-programmed to be compatible with any operating platform, in accordance with privacy laws. Custom encoding services are provided.

LINTRAK E1060-MRI-M850

LinTRAK E1060-MRI-M850 measures 10 x 60 mm, enabling discreet insertion into fine linen items and garments. It can be sewn into a hem or fixed under a heat-seal label. Powered by Impinj's M850 chip, it delivers enhanced performance and increased security. It is MR-conditional.

LINTRAK C10S-MRI-M850

LinTRAK C10S-MRI-M850 measures 10 x 52 mm. Discreet and non-obtrusive, it can be seamlessly integrated into in the hems of textile items such as bed linen, pillowcases and tablecloths. With Impinj's M850 chip, it offers enhanced performance and increased security. It is MR-conditional.

LINTRAK C10XS-M730

LinTRAK C10XS-M730 is the smallest tag in the LinTRAK family. Measuring just

10 x 30 mm, it is designed for small textile items and personal clothing, including nursing homes and care facilities' resident wear.

LINTRAK E1560-MRI-M850

LinTRAK E1560-MRI-M850 measures 15 x 60 mm and includes a 5 mm sewing zone above the chip, ensuring secure and straightforward attachment to textiles. It integrates Impinj's M850 chip for enhanced performance and increased security. It is MR-conditional.

LINTRAK C15S-MRI-M850

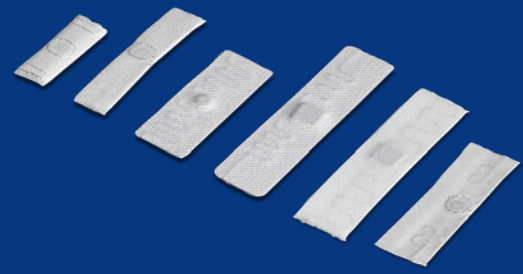
LinTRAK C15S-MRI-M850 measures 15 x 52 mm and features a 5 mm empty zone above the chip, simplifying the sewing process for reliable fixation on textiles. Integrating Impinj's M850 chip, it offers enhanced performance and increased security. It is MR-conditional.

LINTRAK E1560H-MRI-M850

LinTRAK E1560H-MRI-M850 measures 15 x 60 mm and is designed as a heat-sealable tag, ideal for garment and uniform identification and tracking. It attaches directly and securely to linen items and garments, when applied according to heat-sealing instructions. Powered by Impinj's M850 chip, it provides enhanced performance and improved security. It is MR-conditional.

LINTRAK C15XSH-M730

LinTRAK C15XSH-M730 is the smallest heat-sealable LinTRAK tag, and among the smallest available on the market. Measuring just 15 x 30 mm, it is thin, soft and perfectly suited for small textile items or applications requiring maximum discretion.










KEY BENEFITS:

- Specifically designed to identify linen products
- Resistant to harsh laundry processes
- Discreet, easy to integrate into textile items
- Excellent read performance

KEY TECHNOLOGY HIGHLIGHTS:

- RAIN® RFID EPC Class 1 Gen 2 and ISO 18000-63
- High water, chemical, heat and pressure resistance
- Guaranteed to withstand 200 commercial washing cycles or 3 years
- OEKO-TEX® Standard 100 Level 1 certified
- MR conditional tags are undetectable by needle detector machines and validated by the world's most experienced MR-safety testing company (MRSTS) at 1.5 and 3.0 Tesla, which is the highest rating that can be applied for an RFID device. This means that a patient with this device (integrated to linen or gown) can be scanned safely in an MRI system.

						Heat-sealable Tags	
	E1060-MRI-M850	C10S-MRI-M850	C10XS-M730	E1560-MRI-M850	C15S-MRI-M850	E1560H-MRI-M850	C15XSH-M730
							
Base Model Number	TL850E31	TL850E04	TL730E02	TL850E43	TL850E10	TL850E35H	TL730E19H
	ELECTRONIC						
Operating Frequency	860-960 MHz (worldwide)						
Chip Type	M850		M730	M850			M730
Memory	96 bits EPC / 32 User		128 bits EPC	96 bits EPC / 32 User			128 bits EPC
Reading Distance (2W reader ERP, free space)	Up to 26.2 ft (8m) ETSI and FCC band free air read range forward	Up to 16 ft (5m)	Over 5.6 ft (1.7 m)	Up to 26.2 ft (8m) ETSI and FCC band free air read range forward	Up to 16 ft (5m)	Up to 21.3 ft (6,5 m)	Up to 8.2 ft (2.5 m)
	PHYSICAL						
Dimensions (Height +/- 1 mm, Length +/- 2 mm)	0.4 x 2.4 in (10 x 60 mm)	0.4 x 2.04 in (10 x 52 mm)	0.4 x 1.2 in (10 x 30 mm)	0.6 x 2.4 in (15 x 60 mm)	0.6 x 2.04 in (15 x 52 mm)	0.6 x 2.4 in (15 x 60 mm)	0.6 x 1.2 in (15 x 30 mm)
Thickness	0.078 in (2 mm) on chip location only, rest of tag is <0.008 in (0.2 mm)						
Mounting Method	Sewn, inserted inside hem or pouch, or fixed under a heat-seal label			Sewn directly onto textile items using the 5mm height sewing zone, or sewn inside hem or fabric pouch, or fixed under a heat-seal label.		Heat-seal at 399°F (204°C), 4-5 bars, during 14 seconds. Allow a 5-minute cool down period before introducing the newly RFID-enabled item into harsh laundry processes	
Material	UHF module: encapsulated chip, epoxy / Antenna: multithreads, stitched, stainless steel / Fabric label: woven polyester					UHF module: encapsulated chip, epoxy / Antenna: stainless steel multithreads / Fabric label: woven polyester and polyurethane as external layer	
Color	White						
	WASHING						
Max Temp	428°F (220°C) / 30 seconds						
Exposure	2,5 bars (36,25 PSI)						
Tunnel Washer	194°F (93°C) / 15 minutes						
Pre-Drying in Tumbler	320° F (160° C) / 30 minutes						
Tunnel Finisher	365° F (185° C) / 30 minutes						
Sterilization Process	273°F (134°C) / 2 bars / 10 minutes						
Water Extractor Press	60 bars (performance level measured and guarantied in HID's Laundry tests and conditions)						
Chemical Resistance	All standard chemicals used in laundry process						
	OTHER						
Standards	UHF EPC Class 1 Gen 2, ISO 18000-63						
Certifications	OEKO-TEX® STANDARD 100 Level 1 MR-conditional EECC	OEKO-TEX® STANDARD 100 Level 1 MR-conditional	OEKO-TEX® STANDARD 100 Level 1	OEKO-TEX® STANDARD 100 Level 1 MR-conditional EECC	OEKO-TEX® STANDARD 100 Level 1 MR-conditional	OEKO-TEX® Standard STANDARD Level 1 MR-conditional EECC	OEKO-TEX® STANDARD 100 Level 1
MOQ	10000 pcs						
Personalization	Unique EPC code (unlocked). Custom EPC range & locking on request. Can be encoded. Can be laser-marked with TID.						
Options	Can also be sold inside a white fabric pouch. Contact us for specifications						
Warranty	200 washing cycles (according to ISO 15797:2017) or 3 years or up to 100 sterilization cycles						



For more information, contact: tagsales@hidglobal.com



hidglobal.com

North America: +1 512 776 9000 | Toll Free: 1 800 237 7769

Europe, Middle East, Africa: +353 91 506 900

Asia Pacific: +852 3160 9800 | Latin America: +52 55 9171 1108

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2025-10-30-idt-ts-linrak-tag-ds-en

PLT-05779

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