

# Textile UHF Laundry Tag

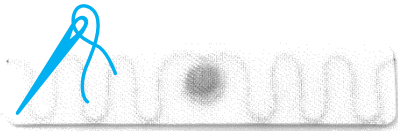
HLT serial RAIN RFID laundry tag is a flexible, tenacious, heat resistant design transponder based on textile strip. All textile assets like flat linen or garments can be traced and tracked by unique ID in RFID chip imperceptibly conveyed HLT laundry tag, to realize transparent and touchless laundry management throughout the soil collection, laundering, distribution processes by RFID facilities and IT systems. With a thin and narrow width, the HLT laundry tag can be inserted into the tiny flat linen as well as finest textiles with no-wear feeling and unnoticeable look.

## The UHF RFID Laundry Tag Key Features:

- Flexible, ultra-thin, smooth and unnoticeable
- Big read range and bulk reading performance
- Guaranteed for 200 washing cycles with water extractors up to 60 bars under heat iron 180°C
- Fit for implement by stitch tagging, heat-sealing, pouching or hanging
- On demand service: laser logo with EPC encoding.



## Installation:



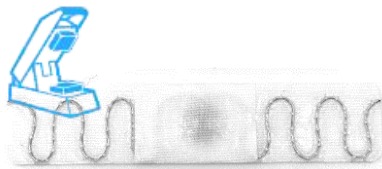
### Stitch Tagging

To be stitched into the hem of a textile.  
Stitch the laundry tag away from the folding lines.



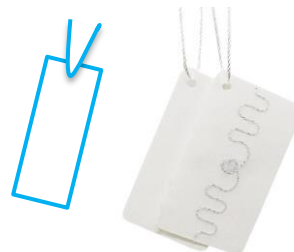
### In Pouch

To be stitched like a standard care label.  
Stitch the laundry tag away from the folding lines.



### Heat Sealing

To be heat-sealed directly on the textile at +175°C (347°F), for 15s.



### Hanging

To be To be hung with the brand label.

**Specification:**

Protocol	ISO 18000-6C / EPC global Class1 Gen2	
Working Frequency	860 ~ 928MHz	
IC	NXP UCODE 8, UCODE 9	
Memory	UCODE 8: EPC 96/128bits, User 0/32bits, access password 32bits UCODE 9: EPC 96bits, User 0bits, access password 0bit	
Write Endurance	100,000 times	
Data Retention	50 years	
Warranty	200 wash cycles or 2 years from ship date	
Type	HLT-5512M	HLT-7015M
Size	55x12x1.1mm	70x15x1.1mm
Weight (approx.)	0.4g	0.5g
Read Range	Up to 5m	Up to 7m
Material	40/60 polycotton	
Laundry Cycle Performance	Washing: +90°C (194°F) / 15 minutes Drying: +180°C (356°F) / 3 minutes Ironer: 175°C (347°F) / 15 seconds Water Extractor Press: 60 bars Sterilization Process: +134°C (273°F) / 20 minutes	
Storage Temperature	-40°C ~ +120°C (-40°F to +248°F)	
Chemical Resistance	All chemicals common to the washing process	
Certification	SGS	
Each RFID laundry tags produced by HUAYUAN is comply with ISO18000-63, global Class 1 Gen2. For customers have variable data process request, HUAYUAN provides On Demand coding serving.		

**Ordering information:**

HLT-5512 / HLT-7015	Classic style with round module (thickness: 1.7mm)
HLT-5512M / HLT-7015M	<b>M</b> = square module (thickness: 1.1mm)
HLT-5512-SE / HLT-7015-SE	<b>SE</b> = stitch into textile
HLT-5512-PO / HLT-7015-PO	<b>PO</b> = Plain white pouch
HLT-5512-HS / HLT-7015-HS	<b>HS</b> = heat-sealed on textile
HLT-5512-HT / HLT-7015-HT	<b>HT</b> = hang on textile