

HLT Series RAIN RFID Laundry Tag



Key Features:

- Flexible, Thin, and Robust.
- Long read range and the best bulk reading performance.
- Guarantee for 200 washing cycle working through sterilization, dewater, heat iron processer under pressure 60 bars, 200°C heating.
- Self-create solution for laser printing logo & variable data on tags.

Applications:

Textile assets e-tracking items: flat linens, uniforms, workwear, fire retardant, footwear, masks, mats, mops for healthcare, hotel, restaurant, even fashion apparel industry.

Specifications:

Protocol	ISO 18000-6C / EPC global Class1 Gen2			
Frequency	860 ~ 928MHz	Warranty	200 wash cycles or 2 years	
IC chip	NXP UCODE 8 /9,	Impinj M730 /M830,	EM4425 v10-v13	
Memory	EPC 96/128	EPC 96	EPC 128	EPC 128
	User 0/32	User 0	User 0	User 0
	Access Yes	Access No	Access/kill pass	Access/kill pass
	Lock Flexible	Lock Only Once	Shared	Shared
Write Endurance	100,000 times	Data Retention	20 years	Warranty
Structure & Components	1, Substrate fabric: 100% Polyester or 50/50 Terylene cotton. 2, Dipole Antenna: Stainless fiber wrapped Teflon. 3, Chip modules alternative: a): Ø5 near field tranponder module+RFID chip in QFN+Resin Sealed, b) : Square module 3.5x3.5x0.8 or 2.8 x 2.8x1.0.			
Typical Laundry processes	1, Sterilization: +134°C (273°F) / 20 minutes 2, Washing: +90°C (194°F) / 60 minutes 3, Water Extractor Press: 60 bars 4, Drying: +180°C (356°F) / 3 minutes 35 bar 5, Ironer: 190°C (374°F) / 30meters/min < 18 bars			

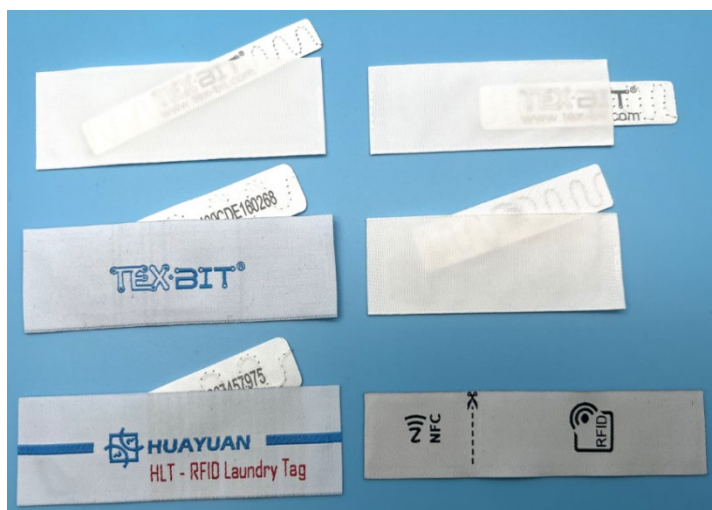
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Storage Temperature	-40°C ~ +120°C (-40°F to +248°F)
Chemical Resistance	Almost all kinds of detergents for wet and dry laundry, or custom
Certification	ATP, STANDARD 100 by OEKO-TEX®, POPs, REACH, RoHS, SGS,
Variable data	On demand variable data laser printing: QR/ Data Matrix / Barcode; Data operation: EPC program and protection, TID data collection,
- Measurement by Xplorer pro CISC	

Category

HLT Serial Tag Format		HLT 3615 HLT 3613	HLT5512	HLT6011	HLT7015	HLT 7010 HLT 7410	NOTE
Tag size (mm)		36x15 36x13	55x12	60x11	70x15	70x10 74x10	More sizes are available
Chip Option		NXP U8 /9, & IMPINJ M730 M830					Keep updating
		IMPINJ M730/M830					
Type	Double Layers for Stitch	Yes	Yes		Yes	Yes	Typical format
				Yes			
	Heat Sealing	Yes	Yes	Yes	Yes	Yes	Soft, touchless
	Double Layers Heat Sealing	Yes	Yes	Yes	Yes	Yes	Robust, suitable for PPE.
	Pouch	Yes	Yes	Yes	Yes	Yes	Logo weaved
Optional Chip Module 3.5x3.5x0.8		Yes	Yes		Yes	Yes	Thinner and tiny chip module
				Yes			
Code / QR / Data Matrix Laser Printing		Yes	Yes	Yes	Yes	N/A	EPC printing &TID collection

HLT RFID Tag in Pouch



Variable Data Printing

