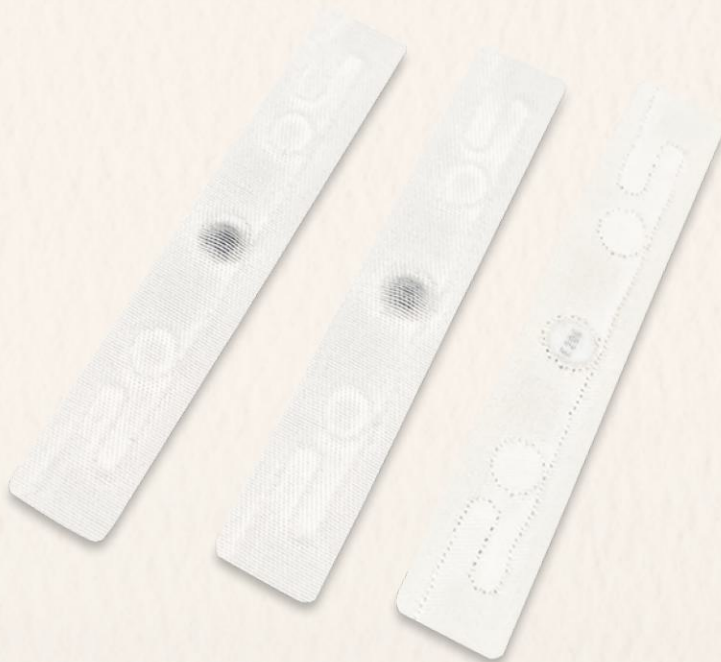




NXP® UCODE® 9 UHF RFID Textile Laundry Tag



SKU:	RS-U9-LTW-7512
Chip Type:	NXP® UCODE® 9
Frequency:	UHF 860-960 MHz
EPC Memory:	96 bits
Protocol:	ISO/IEC 18000-63, EPCglobal Gen2v2
Washing Cycles:	200 washing cycles or 2 years
Industry:	Hospitality, Healthcare, Retail, Industrial Applications, Uniform Rental Services
Applications:	Uniforms Management, Linen Lease, Industrial Washing, Textile Management, Access-control Management, etc.



The NXP® UCODE® 9 UHF RFID Textile Laundry Tag is built to endure the harsh conditions of industrial laundry processes. Engineered for long-term use, it can withstand more than 200 washing cycles and complies with GB 18401 standards, ensuring safety and reliability in high-temperature and high-pressure environments.

This tag is ideally suited for tracking and managing a variety of textiles, including industrial uniforms, medical apparel, and hotel linens. It offers consistent performance and durable identification, making it a trusted solution for laundry operations across healthcare, hospitality, and industrial sectors.

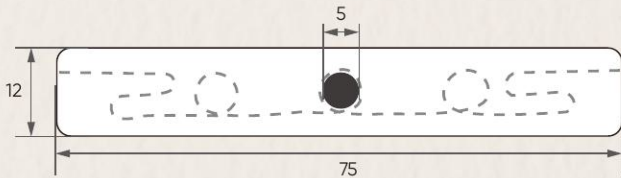
Physical Information	Material	Textile
	Size	75×12×1.5 mm(or customized)
	Weight	0.46 g
	Surface Color	White
	Passed Tests	MRI, 100% Radio frequency compliance Testing
	Operating Environment	-25°C~+110°C
	Storage Environment	+18°C~+28°C, 40%~60% RH
	Mounting Method	Sewn into the hem, or into the woven label (do not sew onto the metal wire or chip module during sewing)

Technical Information	Operating Frequency	860~960 MHz
	Protocol	ISO/IEC 18000-63, EPCglobal Gen2v2
	Chip Type	NXP® UCODE® 9
	EPC Memory	96 bits
	Read Range	Fixed Reader(2W ERP): Over 8 meters Handheld Reader(30dbi power): Over 5 meters
	Security Features	32-bit Kill Password Self Adjust Memory Safeguard 32-bit Block Write Permalock Provides One-time Lock

Washing Information	Maximum Temperature	194°F(90°C)/15 minutes, 200 times
	Pre-Drying in Tumbler	356°F(180°C)/30 minutes, 200 times
	Ironing	356°F(180°C)/10 seconds, 200 times
	Sterilization Process	275°F(135°C)/20 minutes
	Water Extractor Press	60 bars
	Chemical Resistance	All standard chemicals used in industrial washing processes
	Washing Cycles	200 washing cycles or 2 years(whichever reaches first)

Packaging Information	Packing Format	Packed in carton
	Packing Quantity	500 pcs/bag, 20 bags/carton G.W.: 5.38 Kg/carton
	Carton Dimension	430×210×270 mm

Size and Specification Drawing
(Unit: mm)

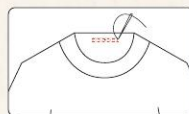


Mounting Method

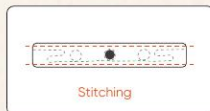
Method1:



Sewn into the hem



Sewed onto the woven label

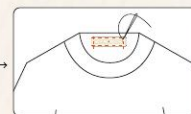


Stitching

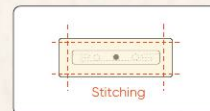
Method2:



Put it inside the cloth bag



Sewed it



Stitching

Do not sew onto the metal wire or chip module during sewing.

● **Performance and Illustrations:** Graphs and visuals are for reference only; actual product performance may vary depending on usage and environment. ● **Storage and Handling Guidelines:** Follow standard ESD-safe storage and handling procedures to maintain product integrity and avoid damage. ● **Product Updates and Revisions:** rfidbridge.com may change products, specs, or services at any time without prior notice. ● **General Use Disclaimer:** Products are for general-purpose use and not intended for safety-critical or life-support applications. ● **Legal Notice:** Information is believed accurate but may change rfidbridge.com is not liable for use-related issues or outcomes.