



NXP® UCODE® 9 UHF RFID Textile Laundry Tag

SKU:	RS-U9-LTW-7515-D5
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 UHF RFID Textile Laundry Tag equipped with NXP® UCODE® 9 chip is specifically designed to withstand the demanding conditions of industrial laundering. Built for durability, it maintains optimal performance through over 200 wash cycles, making it ideal for environments requiring repeated high-temperature washes, pressure, and chemicals.

This tag ensures reliable and consistent tracking of textiles such as uniforms, linens, and garments. With proven full-memory write capability and excellent read performance, it offers a long-lasting, reusable solution for industries like healthcare, hospitality, linen rental, and large-scale commercial laundry operations.

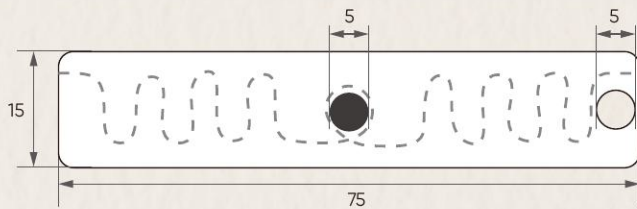
Physical Information	Material	Textile & Metallic Ring
	Size	75×15×1.5 mm with hole(diameter 5 mm)
	Weight	0.65 g
	Surface Color	White
	Passed Tests	GB18401, 100% Radio frequency compliance Testing
	Operating Environment	-25°C~+110°C
	Storage Environment	+18°C~+28°C, 40%~60% RH
	Mounting Method	Hanging on the cloth

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 10 meters Handheld Reader(30dbi power): Over 7 meters
	Security Features	32-bit Kill Password Self Adjust Memory Safeguard 32-bit Block Write Permalock Provides One-time Lock

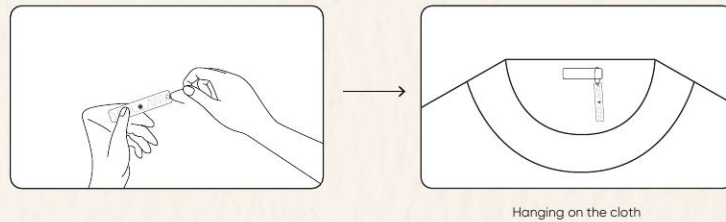
Washing Information	Maximum Temperature	194°F(90°C)/15 minutes, 200 times
	Pre-Drying in Tumbler	356°F(180°C)/30 minutes, 200 times
	Ironing	356°F(180°C)/10 seconds, 200 times
	Sterilization Process	275°F(135°C)/20 minutes
	Water Extractor Press	60 bars
	Chemical Resistance	All standard chemicals used 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.: 6.18 Kg/carton
	Carton Dimension	430×210×270 mm

Size and Specification Drawing
(Unit: mm)



Mounting Method



The fabric edges are perforated (avoiding the antenna) for hanging and securing with string or cable ties.

● **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](https://www.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](https://www.rfidbridge.com) is not liable for use-related issues or outcomes.