



NXP® UCODE® 9 UHF RFID Textile Laundry Tag



SKU:	RS-U9-LTW-7515
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 specifically engineered for high-performance tracking of garments and linens in demanding industrial environments. Featuring the advanced UCODE® 9 chip, it delivers exceptional read performance and reliability in textile identification and logistics. Its rugged construction allows it to endure more than 200 commercial laundry cycles, including exposure to high temperatures, water pressure, and chemicals.

Each tag undergoes full memory write testing to ensure data integrity, making it a dependable solution for long-term use. Ideal for applications such as hotel linen tracking, uniform management, and textile rental services, it also supports broader use cases like access control, asset monitoring, and smart laundry automation in commercial facilities.

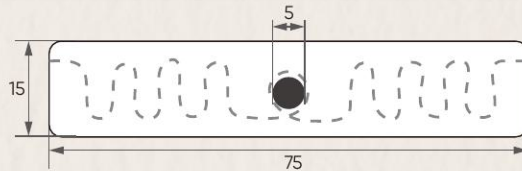
Physical Information	Material	Textile
	Size	75×15×1.5 mm(or customized)
	Weight	0.65 g
	Surface Color	White
	Passed Tests	MRI, 100% Radio frequency compliance Testing
	Operating Environment	-25°C~+110°C
	Storage Environment	+18°C~+28°C, 40%~60% RH
	Mounting Method	Sewn into the hem, or into the woven 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 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)

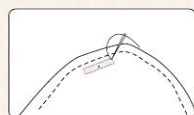
Packaging Information	Packing Format	Packed in carton
	Packing Quantity	500 pcs/bag, 20 bags/carton G.W.: 6.18 Kg/carton
	Carton Dimension	430×210×270 mm

Size and Specification Drawing
(Unit: mm)

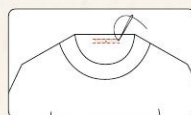


Mounting Method

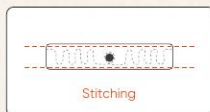
Method1:



Sewn into the hem



Sewed onto the woven label

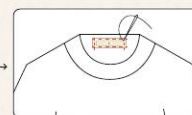


Stitching

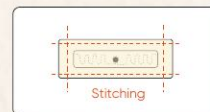
Method2:



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.