



NXP® UCODE® 9 UHF RFID Textile Laundry Tag



SKU:	RS-U9-LTW-7010
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:	Industrial Washing, Textile Management, Access-control Management, Medical and Military Clothing Management, etc.



The NXP® UCODE® 9 UHF RFID Textile Laundry Tag is engineered for reliable tracking of textiles in demanding industrial environments. With a proven lifespan of over 200 wash cycles, it maintains excellent UHF signal performance even under harsh washing conditions.

Its rugged design and real-time data communication capabilities make it a perfect fit for applications such as linen rental services, healthcare facilities, hospitality operations, and military uniform management, where durability and accurate tracking are essential.

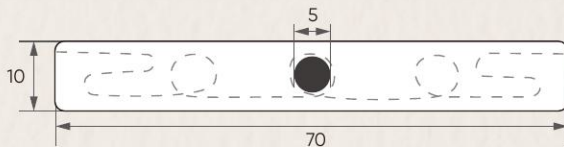
Physical Information	Material	Textile
	Size	70×10×1.76 mm
	Weight	0.6 g
	Surface Color	White
	Passed Tests	MRI, GB18401, 100% Radio frequency compliance Testing
	Operating Environment	-25°C~+110°C
	Storage Environment	+18°C~+28°C, 40%~60% RH
	Mounting Method	Sewn into the hem, or into the woven label (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 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, 200 times
	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

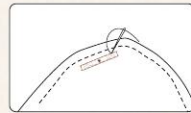
Size and Specification Drawing
(Unit: mm)



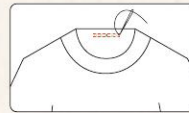
● **Performance and Illustrations:** Graphs and visuals are for reference only; actual product performance may vary depending on usage and environment. ● **Storage and Handling Guidelines:** Follow standard ESD-safe storage and handling procedures to maintain product integrity and avoid damage. ● **Product 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.

Mounting Method

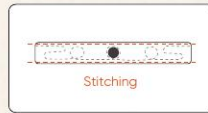
Method1:



Sewn into the hem



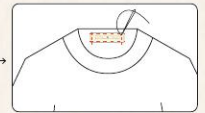
Sewed onto the woven label



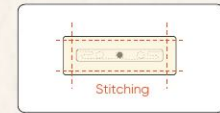
Method2:



Put it inside the cloth bag



Sewed it



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