



NXP® UCODE® 9 UHF RFID Textile Laundry Tag



SKU:	RS-U9-LTWH-7515
Chip Type:	NXP® UCODE® 9
Frequency:	UHF 860-960 MHz
EPC Memory:	96 bits
Protocol:	ISO/IEC 18000-63, EPCglobal Gen2v2
Read Range:	Fixed Reader (2W ERP): Over 10 meters Handheld Reader (30dbi power): Over 7 meters
Washing Cycles:	200 washing cycles or 2 years (whichever reaches first)
Passed Tests:	MRI, CT, Needle, GB18401, 100% Radio frequency compliance Testing
Industry:	Retail, Apparel and Fashion
Applications:	Inventory, Liquids, Laundry, Asset tracking



The NXP® UCODE® 9 RFID Textile Laundry Tag is engineered for exceptional durability, capable of withstanding over 200 industrial wash cycles. Each tag undergoes 100% memory write testing to ensure data integrity and consistent performance, making it a dependable choice for high-demand environments.

This laundry tag is widely applied in uniform management, linen leasing, industrial washing, textile tracking, and access control. Its robust design and reliable performance offer an efficient and long-lasting solution for managing textiles throughout their lifecycle.

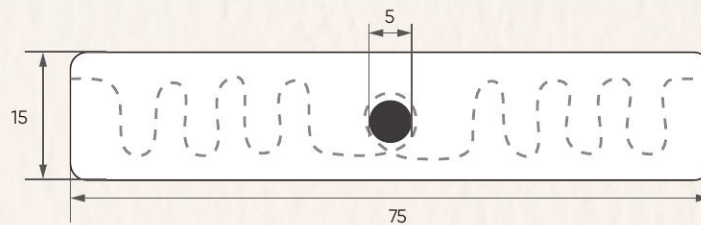
Physical Information	Material	Textile
	Size	75×15×1.5 mm
	Weight	About 0.57g
	Surface Color	White
	Operating Environment	-25°C~+110°C, 5%~95% RH
	Storage Environment	+18°C~+28°C, 40%~60% RH
	Mounting Method	Method 1: Sewn into the hem, or into the woven label (do not sew onto the metal wire or chip module during sewing) Method 2: Heat transfer at 218°C for 15 seconds with 0.4-0.6 MPa pressure. Optimal results occur at 218°C for 15-20 seconds. Below 210°C or under 0.6 MPa, performance may suffer.
	Surface	Fabrics
	Application	Uniforms management, Linen lease, Industrial washing, Textile management, Access-control management, etc

Technical Information	Operating Frequency	860-960 MHz
	Protocol	ISO/IEC 18000-63, EPCglobal Gen2v2
	Chip Type	NXP® UCODE® 9
	EPC Memory	96 bits
	TID Memory	96 bits
	Unique Serial Number	48 bits
	Security Features	32 bits Kill Password and support Memory Safeguard
	Read Range	Fixed Reader(2W ERP): Over 10 meters Handheld Reader(30dbi power): Over 7 meters

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)

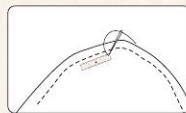
Packaging Information	Packing Format	Packed in carton
	Packing Quantity	500 pcs/bag, 20 bags/carton G.W.: 5.38 Kg/carton
	Carton Dimension	430×210×270 mm

Size and Specification Drawing
(Unit: mm)

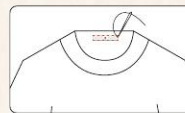


Mounting Method

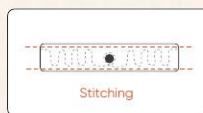
Method1:



Sewn into the hem



Sewed onto the woven label



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

Method2:



Heat transfer at 218°C for 15 seconds with 0.4-0.6 MPa pressure.



Optimal results occur at 218°C for 15-20 seconds.
Below 210°C or under 0.6 MPa, performance may suffer.