

UHF Laundry Tag

The UHF Laundry series of washable RFID tags are engineered to deliver the highest performance to textile inventory tracking and helps redefine how healthcare and hospitality manage textile inventory, offering unparalleled efficiency and control.

Engineered for industries where hygiene and inventory control are paramount, the RFID laundry tags cater to industrial laundries, hotels, hospitals, brands, and beyond. The high-performance RFID tags address common challenges in volume laundry tracking, ensuring a seamless process and delivering superior benefits.



✧ Cost-Effective

Cost-effective tagging solutions for large textile inventories.

✧ 200+ Cycles

Engineered to withstand repeated commercial washing cycles.

✧ High-Temperatures

Withstand exposure to high temperatures in water, sterilizing heat, drying.

✧ Fast and Secure

Heat-seal or sew for seamless integration into textile and optimal durability.

✧ Unique ID

Enable item-level identification and traceability.

✧ Customization

Tailor to specific needs to ensure a seamless integration into a laundry management system.

Application



RF Specifications

MODEL	70x15	70x10	50x12
RF protocol	ISO18000-6C, EPC Class 1 Gen2		
Operating frequency	865-928MHz Global		
Chip type	NXP UCODE 9		
Memory configuration	96-Bits EPC; 48-Bits Unique TID		
Read range (Fixed Reader)	Up to 10 m (33 ft)	Up to 8 m (26.4 ft)	Up to 5 m (16.5 ft)
Read range (Handled Reader)	Up to 8.5 m (28 ft)	Up to 7 m (23.1 ft)	Up to 4 m (13.2 ft)
Polarization	Linear		

Physical Specifications

Materials	Flexible Textile		
Dimensions (mm)	70 x 15 x 0.9	70 x 10 x 0.9	50 x 12 x 0.85
Dimensions (inch)	2.75 x 0.6 x 0.035	2.7 x 0.4 x 0.035	2 x 0.5 x 0.03
Weight	0.65 g	0.5 g	0.4 g

Environmental Specifications

Operational temperature	-40°C to +85°C
Survivability temperature	-20°C to +110°C
Storage humidity	5% to 95% RH
Washing temperature	90°C (194° F), 15 minutes
Pre-drying in tumble	180°C (356°F), 30 minutes
Ironing temperature	185°C (365°F), 10 seconds
Sterilization process	135°C (275°F), 20 minutes
Water Extraction pressure	60 bars
Chemicals resistance	Standard detergents, fabric softeners, bleach, oxygen/chlorine compounds, alkali substances, acetic and peracetic acid
Washing method	Laundry, dry cleaning
Warranty	200 cycles or 3 years whichever comes first

Mounting System

Sew or heat-seal based on specific requirements, with different product P/N selections	
Installation Instructions	1. Install the tag by sewing: Sew into a hem or inside a pocket of fabric 2. Install the tag by heat-sealing: Seal the tag onto the textile at 215°C and 0.6-0.8 MPa for 15 seconds

Order Information

Sew	L0010G	N/A	L0030G
Heat-seal	L0011G	L0021G	L0031G

Customization Options

Per-Encoding	QR/Number
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