

UHF Laundry Tag

- Up to 200 wash or dry cleaning cycles
- Discreet, easy to integrate into textile items
- Excellent read performance

UHF laundry tag, based on flexible antenna and woven, special for linen laundry management. The tag can withstand more than 200 industrial washing cycles, with thin thickness, long reading distance, pressure and high temperature resistance. The laundry tag has a unique global identification code, by sewing/hot pressing a tag on each piece of linen. In the entire use of linen, users can do batch reading and check the linen pretty quickly by RFID reader, automatically record the use of linen, washing times. It will make the handover of washing tasks simple and transparent, and greatly improves the efficiency of inventory inspection by the UHF laundry tag. Meanwhile, users can predict the service life of the current linen and make purchase plans through the data collection of washing times.

Model	Aqua LA101	Aqua LA102	Aqua LA105	Aqua LA106	Aqua LA107
Dimensions ± 0.5 mm / ± 0.02in	70 x 15 mm (2.7 x 0.6 in)	86 x 16 mm (3.4 x 0.6 in)	58 x 15 mm (2.3 x 0.6 in)	50 x 12 mm (2.0 x 0.5 in)	35 x 15 mm (1.4 x 0.6 in)
Read Range (Fixed Reader)	> 13 m (43 ft)	> 12 m (39 ft)	US: > 12.5 m (41 ft) EU: > 9 m (30 ft)	> 6 m (20 ft)	US: > 6.5 m (21 ft) EU: > 3.5 m (11 ft)
Read Range (Handheld Reader)	> 8 m (26 ft)	> 8.5 m (28 ft)	US: > 8.5 m (28 ft) EU: > 6.0 m (20 ft)	> 2.5 m (8 ft)	US: > 5.0 m (16 ft) EU: > 2.5 m (8 ft)
RFID Standard	UHF EPC Class 1 Gen 2, ISO 18000-63				
Frequency	860-960 MHz (worldwide)				
Chip Type	NXP Ucode 8				
Memory	EPC: 128 bits; TID: 96 bits				
Data Storage	> 50 years				
Re-write	100000 tiems				
Installation	Sew: Sewn inside the hem or pouch Heat-sealing: Heat-seal the tag onto the textile at 210°C and 0.6-0.8 MPa for 20 seconds				
Warranty	200 washing cycles or 3 years, whichever comes first				
Water Extraction pressure	60 bars				
Chemical Resistance	Detergent, Softener, Bleach (Oxygen/ Chlorine), Alkali				
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 Temperature	135°C (275°F) / 20 minutes				
Humidity/ Temperature-Operating:	-20~+110°C (-68~+230°F) / 8~95%RH				
Humidity/ Temperature-Storage	-40~+110°C (-104~+230°F) / 8~95%RH				
Personalization	Serial number, LOGO printing, Encoding, Antenna design.etc				
Package	1000 pcs/bag				
Applications	Industrial washing/Management of uniforms Medical apparel management/Military clothing management				