

Aqua LA701

58 x 30 mm M730

Aqua LA701 in Roll are high-performance, industrialgrade RFID tags designed for efficient textile tracking and management in commercial laundries, hospitality, healthcare, and uniform services. Supplied in a continuous roll format, they combine RFID functionality with visual identification (text, barcodes, and QR codes) in a format optimized for high-volume, automated labeling workflows.

Featuring a durable antenna and a rugged packaged microchip that stores a unique, unalterable TID and a programmable EPC, they enable flexible, automated, contactless, and highly efficient scanning via RFID readers for fast inventory, sorting, loss prevention, and lifespan tracking — without requiring a line of sight.

Designed to withstand repeated washing, drying, ironing, and chemical exposure, they ensure reliable identification throughout a garment's lifecycle. This empowers textile providers and users with greater flexibility, faster deployment, and a lower total cost of ownership, all while maintaining full traceability and operational efficiency. The roll format ensures that laundries can achieve high-volume labeling with minimal waste and maximum convenience.



Applications

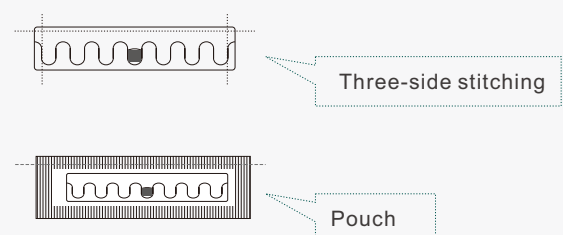
- ✓ Hospitality: Hotel linens, towels, robes, uniforms. Prevents loss, optimizes inventory, automates sorting.
- ✓ Healthcare: Hospital linen, patient gowns, surgical textiles. Tracks sterilization cycles, ensures compliance.
- ✓ Industrial / Corporate: Workwear, rental uniforms, cleanroom garments. Manages stock, usage cycles, and maintenance.
- ✓ Sports / Leisure Clubs: Towel rental, locker management.
- ✓ Laundry Service Providers: Automated sorting, billing, loss prevention.



Highlight & Benefits

- Long, efficient and reliable bulk reading for fast inventory and sorting.
- Withstands industrial washing, drying, and ironing processes.
- High resistance to water, detergents, chemicals, pressure, etc.
- Flexible attachment options.
- Customization-design, printing, encoding available.
- Compatibility with MRI & needle detector.

Installation



Technical Features

Model	Aqua LA701
RFID Features	
Air Interface Protocol	EPC Class 1 Gen 2, ISO / IEC 18000-63 Type C
Frequency	860-960 MHz
Chip Type	Impinj M730
Memory	User - N/A; EPC - 128 bits; TID - 96 bits
Data Storage	> 20 years
Re-write	100,000 times
Read Range (2W ERP)	FCC: > 8.5 m (27.9 ft) ETSI: > 8.5 m (27.9 ft)
Physical Features	
Dimension	58 x 30 mm (2.28 x 1.18 in)
Thickness	1.50 mm (0.04 in) on chip location only, Rest of tag is 0.55 mm (0.02 in)
Weight	0.50 g
Material	Polyester
Installation	Three-side stitching or pouch
Durability Features	
Lifespan	200 washing cycles or 3 years, whichever comes first
Washing Method	Laundry, Dry cleaning
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
Other Features	
Humidity / Temperature-Operating	-20~+85°C (-4~+185°F) / 8~95%RH
Customization	Printing, Encoding, Design, etc.
Package	500 pcs / roll, 8 roll / box



Web: <https://www.richrfid.com> E-mail: info@richrfid.com
Shenzhen | Hong Kong | Singapore | Seoul | Tokyo | Paris



DISCLAIMER

All specifications are indicative and results may vary. Each user bears full responsibility for making its own determination as to the suitability of RICHRFID products, materials, services, recommendations, or advice for its own particular use.

For intended use only. Not to be repurposed or used for other applications without prior written permission from the manufacturer.

@2026 RICHRFID. All rights reserved.