

Nebula LA711-P

70 x 22 mm U9xe

The Nebula LA711-P from RICHRFID is a directly printable, high-performance RFID laundry tag specifically engineered for on-demand, on-site printing and efficient textile tracking in commercial laundries, hospitality, healthcare, and uniform services. Supplied in a continuous roll format for seamless integration with industrial RFID printers and automated label applicators, it allows users to print text, barcodes, QR codes, and logos directly onto the tag at the point of use, combining instant visual identification with long-range RFID functionality in high-volume labeling workflows.

Featuring a durable antenna and a rugged packaged microchip that stores a unique, unalterable TID and a programmable EPC, it enables 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, it ensures reliable identification throughout a garment's lifecycle. By enabling direct, on-demand printing, it eliminates pre-printing lead times and provides textile providers and users with maximum operational flexibility, faster deployment, and a lower total cost of ownership while maintaining full traceability and operational efficiency. The directly printable roll format ensures that laundries can achieve high-volume, custom labeling with minimal waste and maximum convenience.



Applications

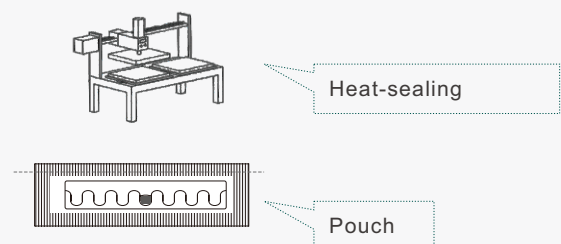
- ✓ Hospitality: Hotel linens, towels, robes, uniforms. Prevents loss, optimizes inventory, automates sorting.
- ✓ Healthcare: Hospital linen, patient gowns, surgical textiles. Tracks sterilization cycles, ensures compliance.
- ✓ Industrial / Corporate: Workwear, rental uniforms, cleanroom garments. 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.
- In roll type, printable and programmable via RFID printer and tagging by applicator.

Installation



Technical Features

Model	Nebula LA711-P
RFID Features	
Air Interface Protocol	EPC Class 1 Gen 2, ISO / IEC 18000-63 Type C
Frequency	860-960 MHz
Chip Type	NXP Ucode 9xe
Memory	User - N/A; EPC - 128 bits; TID - 96 bits
Data Storage	> 20 years
Re-write	100,000 times
Read Range (2W ERP)	FCC: > 7.5 m (24.6 ft) ETSI: > 6.0 m (19.7 ft)
Physical Features	
Dimension	70 x 22 mm (2.70 x 0.87 in)
Thickness	1.00 mm (0.04 in) on chip location only, Rest of tag is 0.65mm (0.03 in)
Weight	0.80 g
Material	Polyester
Installation	Heat-seal the tag onto the textile at 210°C and 0.6-0.8 MPa for 20 seconds 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.

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