



NXP® UCODE® 9xe Printable UHF Laundry RFID Label



SKU:	RS-U9XE-PES-7022
Chip Type:	NXP® UCODE® 9xe
Frequency:	UHF 860-960 MHz
EPC Memory:	128 bits
TID Memory:	96 bytes
Protocol:	ISO/IEC 18000-63, EPCglobal Gen2v2.1
Industry:	Retail, Hotel, Healthcare, Apparel and Fashion
Applications:	Inventory, Laundry, Warehouse



The NXP® UCODE® 9xe Printable UHF Laundry Label (70×22 mm) combines cutting-edge RFID performance with the durability required for industrial laundry environments. Featuring advanced chip technology and a printable surface for personalization, it delivers superior tracking accuracy and enhances asset identification.

The world's first smart laundry label supporting direct printing via RFID printers. Compatible with mainstream RFID printing devices for instant programming and printing. Exceptional durability withstanding over 200 cycles of industrial washing. Withstands harsh environments including industrial washing, dry cleaning, and ironing. Ideal for intelligent laundry management in hotels, healthcare, and rental services.

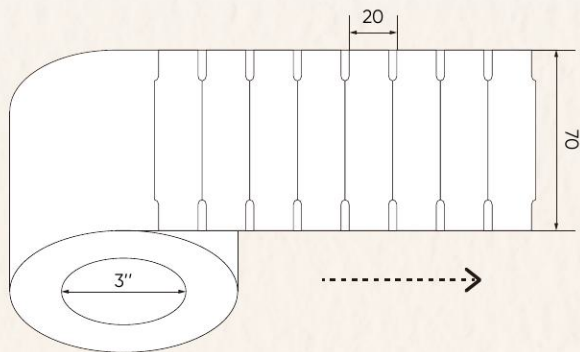
Physical Information	Material	Polyester
	Label Size	70×22 mm
	Installation Method	Direct stitching
	Customizable Content	Logo printing, coding, marking, design, etc.
	Operating Environment	-20°C~+85°C (-4°F~+185°F), 8%~95% RH
	Storage Environment	+18°C~+28°C, 40%~60% RH
	Handling Precautions	Labels with black-dot marks are bad ones, do not use.

Washing	Service Life	200 washes or 3 years
	Washing Method	Water wash or dry clean
	Wash-Resistant & Pressure-Resistant	60 bars
	Chemical-Resistant	Conventional detergents, fabric softeners, bleaches (oxygen/chlorine), alkalis, etc.
	Washing Temperature	90°C (194°F) / 15 minutes
	Drying Temperature	180°C (356°F) / 30 minutes
	Ironing Temperature	185°C (365°F) / 10 minutes
	Sterilization Temperature	135°C (275°F) / 20 minutes

Technical Information	Operating Frequency	860~960 MHz
	Communication Protocol	ISO/IEC 18000-63, EPCglobal Gen2v2.1
	Read Range (2W ERP)	US: > 7.5 m, EU: > 5.8 m
	Read Range (Handheld Reader)	US: > 9.0 m, EU: > 7.5 m
	Chip Type	NXP® UCODE® 9xe
	EPC Memory	128 bits
	TID Memory	96 bits
	Unique Serial Number	48 bits
	Memory Safeguard	Support
	Automated Tag Performance Optimization	Self-Adjust
	Security Features	32 bits Kill Password

Packing Information	Packing Format	Packed in roll, vacuumed packing in ESD bag.
	Roll OD	Max. 203.2 mm
	Core ID	3 inch(76.2 ± 0.50 mm)
	Packing Quantity	1000/roll, per roll 1 kg

Label Dimensions
(Unit: mm)



● **Performance and Illustrations:** Graphs and visuals are for reference only; actual product performance may vary depending on usage and environment. ● **Storage and Handling Guidelines:** Follow standard ESD-safe storage and handling procedures to maintain product integrity and avoid damage. ● **Product Updates and Revisions:** rfidbridge.com may change products, specs, or services at any time without prior notice. ● **General Use Disclaimer:** Products are for general-purpose use and not intended for safety-critical or life-support applications. ● **Legal Notice:** Information is believed accurate but may change. rfidbridge.com is not liable for use-related issues or outcomes.