



NXP® UCODE® 8 UHF RFID Label



SKU:	RS-U8-CP-4IN2
Chip Type:	NXP® UCODE® 8
Frequency Band:	UHF 860-960 MHz
Protocol:	ISO/IEC 18000-63, EPCglobal Gen2v2
User Memory:	0/32 bits
EPC Memory:	128/96 bits
Industry:	Logistics
Applications:	Asset Tracking, Inventory, Warehouse



This high-performance, general-purpose RFID label is designed for efficient tracking and management applications. Powered by the NXP® UCODE® 8 chip, it complies with EPC Gen2v2 and ISO/IEC 18000-63 standards, offering excellent read sensitivity and ultra-fast response times. Ideal for large-scale asset tracking and real-time inventory management, its 101.6×50.8 mm size optimizes antenna performance, providing a wider read range and higher accuracy, even in dense tagging environments.

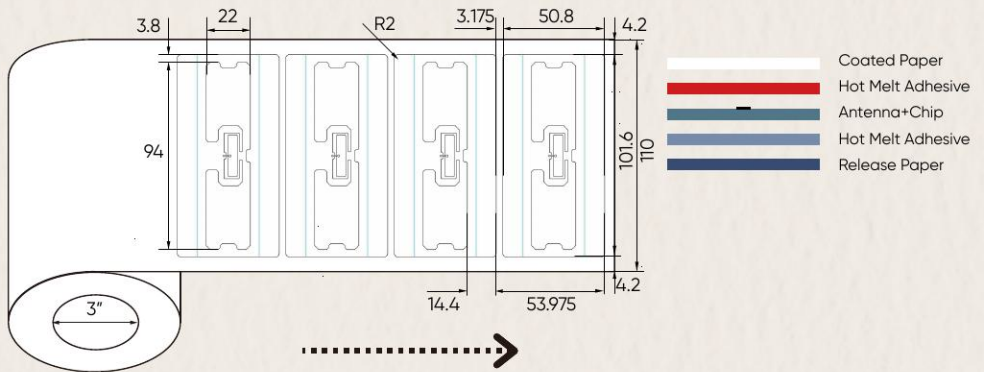
With support for up to 128 bits EPC memory and 96 bits TID memory, the label efficiently stores critical information like product identification and batch numbers, catering to the refined needs of supply chain and logistics. Built-in anti-counterfeiting features and data encryption enhance security, protecting both corporate assets and brands. These labels are widely used in retail, logistics, asset management, and industrial manufacturing.

Physical Information	Material	Coated Paper
	Label Size	101.6×50.8 mm
	Antenna Size	94×22 mm
	Operating Environment	Label attach: +10°C~+40°C, 20%~80% RH After label attached: -20°C~+50°C, 20%~80% RH
	Storage Environment	+18°C~+28°C, 40%~60% RH
	Mounting Method	Stick
	Surface	Paper Carton, Plastic, Wood
	Handling Precautions	1. Do not bend. 2. Keep away from water and collision. 3. Labels with black ink dot are for bad products, do not use.

Technical Information	Operating Frequency	860~960 MHz
	Protocol	ISO/IEC 18000-63, EPCglobal Gen2v2
	Chip Type	NXP® UCODE® 8
	TID	96 bits
	Operating Mode	Passive
	User Memory	0/32 bits
	EPC Memory	128/96 bits

Packaging Information	Packing Format	Packed in roll, vacuumed packing in ESD bag
	Roll OD	Max. 210 mm
	Core ID	3 inch(76.2 ± 0.50 mm)
	Packing Quantity	1000 pcs/roll, or as per request
	Packing Weight	1.50 kg/roll

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.