



NXP® UCODE® 8 UHF RFID Card



SKU:	RS-U8-CR80
Chip Type:	NXP® UCODE® 8
Frequency:	UHF 860-960 MHz
Protocol:	EPCglobal Gen2v2
EPC Memory:	128 bits
User Memory:	0 bits
UID Memory:	96 bits of Serialized TID with 48 bit serial number
Industry:	Logistics, Healthcare
Applications:	Baggage Tagging, Brand Protection, Inventory, Supply Chain Management

The UHF RFID cards are made from photo-quality standard PVC sheets in CR80 size, making them compatible with thermal transfer card printers.

NXP® UCODE® 8 is optimized for item serialization in retail management, supply chain management, shipping services, and other related applications.

Physical Information	Material	Black Core PVC, White Core PVC, White Core PET (WEEE Directive✓), White Core ABS (WEEE Directive✓), Wooden (WEEE Directive✓)
	Card Size	85.6×54×0.88 mm
	Operating Environment	-20°C~+50°C, 20%~80% RH
	Storage Environment	+18°C~+28°C, 40%~60% RH
	Surface Treatment	Glossy, Matte or Frosted
	Personalized Printing (NA For Wooden Cards)	Thermal Transfer/Dye Sublimation
	Customization Options (NA For Wooden Cards)	Pre-Printing, Barcode Printing, Embossing, Holograms, Signature Panels, UV Printing, Hot Stamping, Punch Holes
	Care Tips	1. Avoid excessive bending 2. Keep away from water 3. Store in cool and dry place
	Cleaning Tips	1. Use a soft, dry cloth 2. Avoid harsh chemicals or abrasive cleaners 3. Remove stains immediately

Technical Information	Operating Frequency	860~960 MHz
	Communication Protocol	EPCglobal Gen2v2
	Chip Type	NXP® UCODE® 8
	Operating Mode	Passive
	UID Memory	96 bits of Serialized TID with 48 bit serial number
	User Memory	0 bits
	EPC Memory	128 bits
	Security Features	Access password: 32 bits

Packaging Information	Packing Format	Single pieces, piece by piece
	Packing Quantity	200 pcs/case, G.W.: 1.3 kg
	Packing Method	1000 pcs or 2000 pcs/carton
	Carton Dimension	1000 pcs: 23×20×17 cm (G.W.: 7 KG); 2000 pcs: 48×23×14 cm (G.W.: 13 KG).

● **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.
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