



NXP® HITAG® S256 RFID Card



SKU:	RS-S256-CR80
Chip Type:	NXP® HITAG® S256
Frequency:	LF 125 KHz
Protocol:	ISO/IEC 11784, ISO/IEC 11785
Total Memory:	256 bits
UID:	32 bits
Industry:	Events, Healthcare, Retail
Applications:	Brand Protection, Tracking

Unlock secure and seamless identification with the RFID Card CR80 powered by the HITAG® S256 chip. Designed for reliable low-frequency (125 kHz) performance, this smart card ensures stable, interference-free communication across a wide range of applications – from employee access control and parking systems to membership management and time attendance tracking. Its premium PVC construction guarantees long-lasting durability and dependable performance in both indoor and outdoor environments.

With full compliance to ISO/IEC 11784 and ISO/IEC 11785 standards, the HITAG® S256 card offers enhanced data protection and quick authentication, delivering peace of mind and efficiency in every scan. Its universal CR80 format makes it easy to customize and integrate into existing security infrastructures, making it an ideal choice for organizations seeking trusted, professional-grade RFID solutions.

Physical Information	Material	Black Core PVC, White Core PVC, White Core PET (WEEE Directive√), White Core ABS (WEEE Directive√), Wooden (WEEE Directive√)
	Card Size	86×54×0.88 mm
	Operating Environment	-20°C~+50°C, 20%~80% RH
	Storage Environment	+18°C~+28°C, 40%~60% RH
	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	125 KHz
	Communication Protocol	ISO/IEC 11784, ISO/IEC 11785
	Chip Type	NXP® HITAG® S256
	Total Memory	256 bits
	Unique Identification Numer(UID)	32 bits
	Fast Anticollision Protocol For Inventory Tracking	100 Tags in 3.2 seconds
	Secure Memory Lock Functionality	Support
	Cyclic Redundancy Check(CRC)	Support
	Security Features	48 bits secret key based encrypted authentication
	TagFocus™ Mode	Support
	German Waste Management and Pigeon Race Standard	Support

Packaging Information	Packing Format	Single pieces, piece by piece
	Packing Quantity	200 pcs/case, G.W. : 1.5 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.: 14 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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