



STMicroelectronics® ST25TB512 RFID Card



SKU:	RS-TB512-CR80
Chip Type:	STMicroelectronics® ST25TB512
Frequency:	HF 13.56 MHz
Protocol:	ISO/IEC 14443B-2/3
EEPROM:	64 bytes
Industry:	Events, Healthcare, Transportation
Applications:	Access Control, Library, Vehicle Tracking, Public Transport, Ticketing

The ST25TB512 CR80 RFID Card is a reliable contactless smart card designed for secure identification and efficient data management. It features 512-bit user EEPROM, a unique 64-bit UID, and password authentication for enhanced data protection.

With 106 kbps data transfer, anti-collision capability, and a durable CR80 card format, the ST25TB512 card delivers smooth performance in multi-card environments. It is an excellent choice for access control, ticketing, membership management, and other secure RFID applications that require both convenience and reliability.

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
	Net Weight	About 5.8 g
	Operating Environment	-20°C~+50°C, 20%~80% RH
	Storage Environment	+18°C~+28°C, 20%~80% 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	13.56 MHz
	Communication Protocol	ISO/IEC 14443B-2/3
	Chip Type	STMicroelectronics® ST25TB512
	EEPROM	64 bytes
	UID Memory	8 bytes
	Reading Rate	106 kbit/s
	Security Features	EEPROM with write protect feature

Packaging Information	Packing Format	Single pieces, piece by piece
	Packing Quantity	200 pcs/case, G.W. : 1.26 kg
	Packing Method	1000 pcs or 2000 pcs/carton
	Carton Dimension	1000 pcs: 23×20×17 cm (G.W.: 6.3 KG); 2000 pcs: 48×23×14 cm (G.W.: 12.6 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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