



STMicroelectronics® ST25TB04K RFID Card



SKU:	RS-TB04K-CR80
Chip Type:	STMicroelectronics® ST25TB04K
Frequency:	HF 13.56 MHz
Read Range:	Up to 10 cm
Protocol:	ISO/IEC 14443B-2/3
EEPROM:	512 bytes
Industry:	Events, Healthcare, Transportation
Applications:	Access Control, Library, Vehicle Tracking, Public Transport, Ticketing

ST25TB04K RFID cards are produced from photo-quality PVC sheets and finished to the CR80 size, making them durable and visually crisp. They are suitable for use with most direct-thermal or thermal-transfer card printers, ensuring smooth, on-demand personalization.

At their core is the ST25TB04K IC, which operates at 13.56 MHz and uses an RF protocol compatible with ISO/IEC 14443B-2/3. The chip provides a 4,096-bit user EEPROM, offering ample space for application data and secure personalization.

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, 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® ST25TB04K
	Read Range	Up to 10 cm
	EEPROM	512 bytes
	UID Memory	8 bytes
	Reading Rate	106 kbit/s
	Security Features	Support a resettable OTP (one time programmable) area

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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