



STMicroelectronics® ST25TV02K RFID Card



SKU:	RS-ST02K-CR80
Chip Type:	STMicroelectronics® ST25TV02K
Frequency:	HF 13.56 MHz
Protocol:	ISO/IEC 15693, NFC Forum Type 5
UID Memory:	8 bytes
EEPROM:	256 bytes
Industry:	Access Control, Events, Transportation
Applications:	Public Transportation, Event Ticketing, Access Control, Loyalty System, E-Government & Identity

The STMicroelectronics® ST25TV02K CR80 RFID Card provides secure, versatile contactless performance for modern applications. Operating at 13.56 MHz and compliant with ISO/IEC 15693 and NFC Forum Type 5 standards, it features a 8 bytes UID for reliable identification. With 256 bytes of EEPROM, the card supports anti-collision, EAS functionality, and TruST25 digital signature technology, making it well-suited for access control, smart labeling, and asset tracking. Its high write endurance and long data retention ensure consistent performance over time.

Equipped with STMicroelectronics® chip security features, the ST25TV02K card enhances authenticity and safeguards against tampering. It delivers stable communication at 53 kbit/s with optimized internal tuning, while its flexible memory and protective measures support a wide range of applications in retail, logistics, and industrial environments. This NFC Forum Type 5 card offers a reliable, traceable, and secure solution for businesses looking to integrate smart contactless technology.

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 (3.4"×2.2")
	Operating Environment	-20°C~+50°C, 20%~80% RH
	Storage Environment	+18°C~+28°C, 20%~90% 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 15693, NFC Forum Type 5
	Chip Type	STMicroelectronics® ST25TV02K
	UID Memory	8 bytes
	EEPROM	256 bytes
	Data Transfer	53 kbit/s
	Data Retention	60 years
	Write Endurance	100,000 times
	Anti-Collision	Support
	Anti-Tearing	Support
	Protection	EAS Capability, TruST25 Digital Signature

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.
 ● **Product Updates and Revisions:** [rfidbridge.com](https://www.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.
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