



STMicroelectronics® ST25TA16K RFID Card



SKU:	RS-ST16K-CR80
Chip Type:	STMicroelectronics® ST25TA16K
Frequency:	HF 13.56 MHz
Protocol:	ISO/IEC 14443-A, NFC Forum Type 4
EEPROM:	2 Kbyte
UID Memory:	7 byte
Industry:	Events, Healthcare, Transportation, Business
Applications:	Access Control, NFC, ETC Toll Payment, Vehicle Tracking

The RFID Card powered by STMicroelectronics® ST25TA16K chip combines advanced NFC Forum Type 4 technology with reliable data protection and fast communication capabilities. Operating at 13.56 MHz and compliant with ISO/IEC 14443-A standards, it offers 16-kbit of EEPROM memory, password protection, and energy-harvesting functionality, making it ideal for interactive smart applications and secure data storage.

Crafted in the standard CR80 card format from durable PVC or PET, this RFID card ensures long-term use and compatibility with most NFC-enabled devices and readers. It's perfectly suited for brand authentication, customer engagement, access management, and smart marketing applications, delivering a versatile and secure NFC experience for both businesses and end users.

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
	Net Weight	About 5.8 g
	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 14443-A, NFC Forum Type 4
	Chip Type	STMicroelectronics® ST25TA16K
	Data Rate	106 kbps
	NDEF Data Structure	Support
	EEPROM	2 Kbyte
	UID Memory	7 byte
	Reads In A Single Command	Up to 246 bytes
	Writes In A Single Command	Up to 246 bytes
	Security Features	128 bit password protection

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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