



Contactless Smart Credentials using MIFARE® Technology

Simply Smarter

Overview





XceedID's contactless smart credentials put you in control by delivering smarter solutions. XceedID's Contactless Smart Credentials using MIFARE® technology provide the choice of 2.5k, 8k or 32k bits of storage to meet the most demanding data storage requirements. This enhanced data storage allows for a wide range of card applications such as biometrics, transit and point of sale applications such as cashless vending and cafeteria services. ISO 14443A standards providing a faster data transfer speed (up to 424 kBd).

The contactless smart credential by XceedID operates on a 13.56 MHz frequency and also utilizes high security encrypted data which is mutually authenticated in communication between the card and reader, providing an infinite number (many trillions) of unique badge ID codes.

With the Contactless Smart Credentials using MIFARE technology, there is very little wear and tear on the cards ensuring longer life for your cards. These credentials also have a passive design which requires no batteries or maintenance for the life of the card.



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Contactless Smart Card Credential Specifications				
	ISO Glossy White	Clamshell	Key Tag	PVC Patch
				
Dimensions	Inches: 3.37 x 2.125 x 0.033 cm: 8.6 x 5.4 x 0.08	Inches: 3.37 x 2.125 x 0.075 cm: 8.6 x 5.4 x 0.2	Inches: 2 x 1.24 x 0.38 cm: 5.1 x 3.1 x 1.0	Inches: 3.37 x 2.125 x 0.033 cm: 8.6 x 5.4 x 0.08
Weight	0.212 oz. (6 g)	0.317 oz. (9 g)	0.18 oz. (5 g)	0.045 oz. (1.33 g)
Frequency	13.56 MHz	13.56 MHz	13.56 MHz	13.56 MHz
Read Range*	Up to 4 inches	Up to 4 inches	Up to 2.5 inches	Up to 2 inches
Certifications	GSC-IS**	GSC-IS**	GSC-IS**	GSC-IS**
Operating Temperature	-50 to 160F (-45 to 70C)	-50 to 160F (-45 to 70C)	-50 to 160F (-45 to 70C)	-50 to 160F (-45 to 70C)
Material	PVC	Hard shell: ABS Cover label: PVC	Polycarbonate	PVC/adhesive backing
ISO Standard	ISO 14443	ISO 14443	ISO 14443	ISO 14443
Baud rate (data transfer)	Up to 424 kBd	Up to 424 kBd	Up to 424 kBd	Up to 424 kBd
Memory options	0.3K, 1K and 4K bytes (2.5k, 8k, and 32K bits)	0.3K bytes (2.5k bits)	1K byte (8k bits)	1K and 4K bytes (8k and 32k bits)
Smart Card Chip	MIFARE®	MIFARE	MIFARE	MIFARE
Part Numbers†	9520 (2.5k bit) 9520MS (2.5k bit) 9551 (8k bit) 9551MS (8k bit) 9558 (32k bit) 9558MS (32k bit)	9420 (2.5k bit)	9651 (8k bit) IBF-151 (8k bit) IBWF-151 (8k bit)	9751 (8k bit) 9758 (32k bit)

* Factors affecting read range include installation conditions such as voltage, location of power supply and mounting material.

** Government Smart Card Interoperability Specifications.

† Contact a XceedID representative for additional configurations and part numbers.