



PinKey[®] Smart



*World
Wide
Patents*



the smart card evolves
and becomes safer

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PinKey® Smart The revolutionary biometric smart card

This state-of-the-art smart card guarantees top-level security due its embedded biometric sensing device. It is fully compliant to ISO 7810 ID-1 and ISO 7816 standards for identification and credit cards.

PinKey® Smart allows the user to authenticate itself via fingerprint scanning and recognition, thus greatly increasing the security level of the card, nowadays relying onto the simple and weak PIN input only.

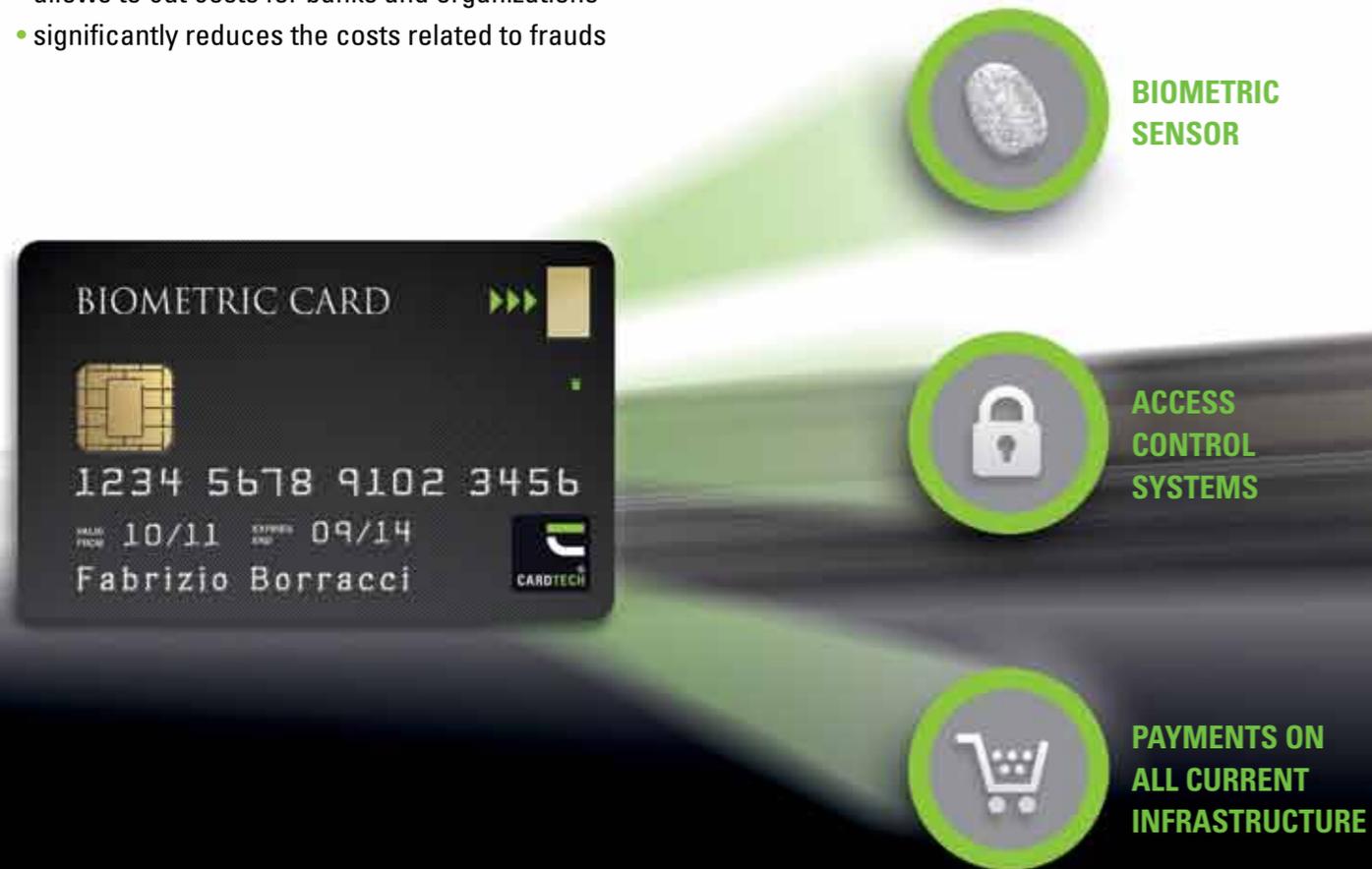
The capacitive fingerprint sensor, embedded within the card's 0.76 mm thickness, provides the most user-friendly experience while keeping the costs low.

PinKey® Smart allows safe fingerprint-enabled transactions onto the existing payment infrastructure, being compliant with the standard POS, ATM and smart card readers. With this revolutionary smart card, flexible and self power-managed, physical and logical access will benefit of the highest security level, unbelievable until yesterday.

PinKey® Smart

The revolutionary biometric smart card

- high security
- ease of use
- greater privacy
- compliant with ISO 7810-ID1 and ISO 7816 standards
- protects against identity thefts, cloning, frauds, misuse
- allows to cut costs for banks and organizations
- significantly reduces the costs related to frauds



How it is made

PinKey® Smart is the result of an advanced laminating process aimed to embed a super-thin capacitive fingerprint sensor into the internal layer of the card. Moreover, the fingerprint matching process relies on a powerful algorithm that takes place inside the very smart card. The biometric template of the user fingerprint is never transferred outside of the card, avoiding to be stolen, cloned or hacked.

Match-on-card user authentication represents a far better choice than conventional PIN input for all those applications where smart cards are required to store sensitive data, such as banking, medical, civil or personal information.

PinKey® Smart is powered by a thin and flexible long-life battery. It can be turned on or off by a power button and it is compliant with both ISO 7810-ID1 and ISO 7816 standards.



Applications and uses for PinKey® Smart

PinKey® Smart

can be used as a secure replacement for common smart cards today used in financial and banking services, such as:

- debit cards
- credit cards
- prepaid cards
- home banking OTP cards
- electronic payment services
- on line distribution services
- fidelity cards

PinKey® Smart

is flexible, durable powered by a long-life battery. It guarantees identity protection and ensures the privacy of user's personal information. The product can be customized in functionalities and looks for international organizations and governments:

- national ID and electronic vote
- electronic passport and tourist card
- health and insurance services

PinKey® Smart

meets the security needs of both individuals and organizations. It can be used as a standalone device or connected to a PC/Mac by a smart card reader at home, office or traveling, in order to provide the following security services:

- physical and logical access control
- online certifications
- digital signature



International patents

Card Tech®

has its research and development efforts protected with a series of international patents.

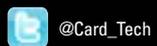
In particular, the integration of a biometric sensor and the match-on-system features have been granted in main global markets.





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