3 step security verification

Instant desktop process for maximum convenience, card issuance on demand

Can be used for a range of commercial cards, includingmulti-applications

Contactless Smart Cards

All in One
• Mag Stripe • Bar Code •

Contactless Smart Cards offer significant benefits to enterprises including greater satisfaction through faster, more convenient and more secure access to information and services. Widely known as one of the most secure and reliable forms of electronic identification, smart cards can provide secure and accurate identity verification, and when combined with biometrics, can enhance the security of the system and protect the privacy of system information.

Smart Card technology enables access control systems to implement more secure identity verification for both physical and logical access and provides a technology platform for adding new business applications such as cashless-cafeteria point-of-sale, cashless vending, and time and attendance systems.

Smart Card technology delivers many benefits including:

- Robust security, supporting multi-factor authentication and a variety of authentication and encryption techniques.

- Flexibility to incorporate multiple applications and to support multiple technology cards and readers.

- High speed access and reduced maintenance costs for contactless physical access control.

- Stores biometric data - fingerprint, photo, etc.

Chip Type:
- iClass
- MiFare
- DESFire
- SuperCom

Special Features:
- Secured Storage
- Magnetic HiCo / LoCo
- Proximity
- Contact Smart Chip
- Holographic and Other Visual Security Devices
- Custom Printing

Applications:
- Access Control
- Time and Attendance
- IT / Network Secure Authentication
- Retail - Digital Cash, Points, Frequent Shopper
- Tracking - Membership, Property/Equipment, Activity, Usage, etc.

Contactless Smart Cards are produced and personalized in a centralized or decentralized production environment, and offer superior performance across the board. Contactless Smart Cards are available in PVC but are also available in ultra-strong Teslin with materials and data retention guaranteed for up to 10 years.

Contactless Smart Cards may be ordered in various sizes with virtually any chip on the market (including re-programmable chips), any artwork and customized software applications.

What Are Smart Cards?

Smart Cards have computing power, large storage capacity, can exchange information with a card reader, can add or extract data and cannot be easily copied The data can be in the form of a PIN, a digital signature or a biometric template (fingerprint) or all of the above.

A Smart Card contains an embedded computer chip that has secure storage capacity from either a microprocessor with internal memory or a memory chip alone. Smart Cards can be used in controlling access by identifying and authenticating the user and privileges. The card connects to a reader with direct physical contact or with a remote contactless electromagnetic interface.

The types of Smart Cards available include:
- Contact Cards - have a gold chip embedded in them. Cards must be inserted into a Smart Card Reader. They are more secure and store more information than contactless cards, but may have a shorter usage life due to wear and tear.
- Contactless Cards - have an internal antenna coil and an embedded chip and must pass within range of a Smart Card reader. Contactless cards read faster than contact cards.
- Hybrid/Twin Cards - have two chips embedded - one contactless and one contact. The contactless chip is used for fast transactions such as mass transit. The contact chip allows for higher security. These two chips are not connected.
- Combi Cards (Dual Interface) - employs one chip that is both contact and contactless and can be accessed both through contact pads and embedded antennas. This type of card provides high security and ease of use.
- Multi-Technology Cards - combine Smart Card and existing technologies (bar code, magstripe, proximity) into a single card. This minimizes cost and improves card management for all applications.

Personal Access Total Control

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