



ELECTRONIA



EL SMART

ELSMART DOT

ELSmart Dot is a landmark technology from Electronia that converts existing documents and/or legacy (magnetic/proximity) cards to contactless smart cards. By installing a tiny patch to legacy cards, there is no more need to throw away previous investments and damage the budget of companies. EISmart Dot allows for an easy, painless transition to the latest smart card technology without the cumbersome adjustments for which the technology migration is conventionally known.

For smart passports, for example, issuance of the smart label to be attached to the ID or Legacy Passports is a snap with our

ELSMART Issuing stations and takes less than two minutes. Electronia has developed and is implementing solutions that start with the Smart VISA to transform regular passports to Smart Passports.

Contactless smart cards provide more flexibility and personalization. Apart from that, they also offer remarkable speed and convenience benefits in payment application, when compared to non-contactless technology. They offer the best possible solution for security and privacy when used with biometrics in areas such as the e-passport application.

Technical Specifications

EISmart Dot card patch features:

- A 13.56 MHz transponder
- Plastic sticker for conventional PVC card
- Thickness <math>< 500\mu\text{m}</math> to 1mm including adhesive layer
- ISO/IEC 14443 compliant
- Customized shapes possible
- Delivery form: single patches with protection layer



For many companies, the best solution would be to take out old legacy systems and start from scratch, but the following issues must be considered:

- Cost impact
- Difficulty of re-badging thousands of employees
- What to do during interim period?



Smart Card Patch



Migration: Use existing card w/smart card patch

- Patch contains antenna and chip just like a card
- Patch utilizes a permanent adhesive for easy affixing to existing card

Advantages

- Much lower cost because existing card is not thrown out
- No migration of existing information from legacy applications

With EISmart Dot, Electronia presents a winning technology that enables companies to migrate to contactless smart card technology seamlessly and inexpensively, while giving them enough time to fully migrate to a single contactless smart card solution at their own pace.

