

# Smart Corporate ID Card

The IT-based security solution for enterprise ID





# One card for centralised management of classical and IT security requirements in enterprises

## Companies today have effective systems in place to meet classical security needs

The corporate ID cards in common use today perform important traditional security functions. They can be used to control access to buildings and secure areas, and for time and attendance registration. They also find widespread application as electronic purses for paying cafeteria dues or buying items from vending machines. Bearing the holder's photo and name, they function as corporate ID badges. These capabilities have made the cards suitable for current managing security requirements in organisations.

## More flexible working practices require comprehensive, intelligent security management systems

But the working environment has changed profoundly in recent years, breaking the bounds of traditional methods and structures. This on-going development is marked in particular by the increasing importance of teleworking and the rising number of mobile employees. Implicit in the growing flexibility of working practices is an expanding demand for focused, co-ordinated security management systems. Systems that are versatile enough to adapt to changing infrastructures and

processes within an enterprise and at the same time ensure comprehensive, easily monitored security in all parts of the organisation – covering traditional areas as well as the new IT systems. The consistent integration of these IT structures has resulted in increased security requirements which can no longer be met by conventional systems.

## The Smart Corporate ID Card controls and manages all current and future security applications





**IT infrastructures place extended, specific demands on security systems**

Companies using new applications find themselves faced with a wide range of requirements:

- Single sign-on: users are authenticated once and can then access several different applications
- Positive network user authentication and centralised user management
- Fast, secure transfer of data and digital documents
- Digital signatures replacing handwritten signatures

- Remote access to the corporate network via secure communication channels
- Secure filing of digital documents

**G&D's Smart Corporate ID Card – a complete solution ready for the security demands of today and tomorrow**

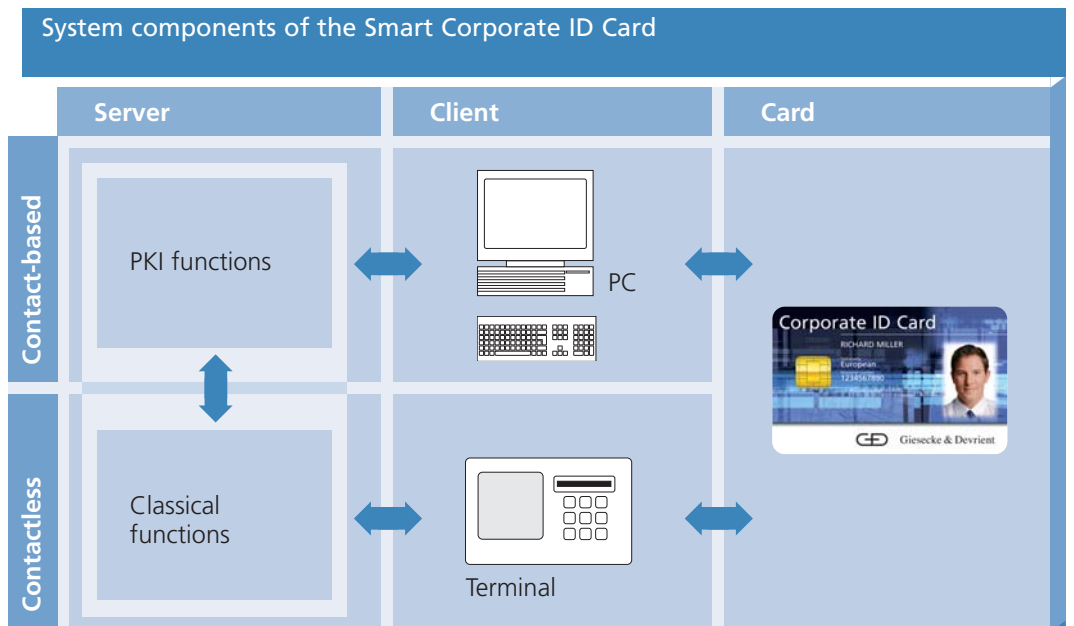
G&D has leveraged its in-depth knowledge of security needs and technologies to develop a system that fits complex infrastructures and application requirements as well as traditional security tasks: the Smart Corporate ID Card. The solution uses contact-based smart cards offering a substantially wider range of functions than conventional contactless corporate ID cards. Guaranteeing secure electronic communications over the company network and the generation of digital signatures are just two of the card's extensive range of capa-

bilities. The Smart Corporate ID Card is a PKI (Public Key Infrastructure) solution that is available for all operating systems in common use.

This is a multi-functional card that optimally meets the requirements of both traditional and IT system security. Moreover, the Smart Corporate ID Card leverages existing infrastructures, so no time-consuming and costly adaptations are needed.

**The main benefits of the Smart Corporate ID Card at a glance**

- Cost savings through the introduction of digital workflow processes and uniform IT infrastructures
- Centralised, standardised card administration provides maximum transparency at low cost
- Fast, secure communications due to secured data transmission





# G&D supplies all solution components for a complete, tailored PKI system

## Consulting, system design, implementation – all from a single source

The more complex a system, the greater the need for a supplier fully competent in all stages and aspects of its installation - from consulting through implementation to ancillary services and follow-up support. At all stages, G&D can draw on tried and tested in-house expertise and the proven capabilities of reliable partners.

- Consulting:  
Analysis of the client's specific requirements
- Inventory:  
Audit of existing IT infrastructure
- System design:
  - Generation of security profile
  - Specification of software, hardware and network components

- Development of software components
- System implementation:
  - Extension and adaptation of existing infrastructure to meet the new requirements
  - Implementation of the interface between traditional and PKI functions
- Card production:  
Hybrid or dual-interface cards, supported by all commercial systems
- Electrical personalisation:  
Holder data such as certificates and keys are stored on the card
- Optical personalisation:  
Holder data such as photograph, name and serial number are applied to the card

## Technical overview

### Smart card

- Highly secure storage medium for cardholder data such as keys and certificates
- Security chip for cryptographic functions
- Convenient credit card format
- High-level security in use due to two-factor authentication (card + PIN)
- Communication with card reader via contact or contactless interface
- Optical personalisation by printing of photograph, name etc.
- Further optical security features possible

### USB token

- Functionally comparable to a smart card
- Plugs into the USB port, so no card reader needed
- Easy to handle form factor
- Design of form factor may be customised, but no optical personalisation possible

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