



# Efficient Use of IT Security

StarSign® Token – the cost-efficient way to use  
state-of-the-art security products



Giesecke & Devrient

# IT security safeguards your success

The fact that IT network security is extremely challenging is not new. As in the past, protection against unauthorized access and data manipulation continues to be among the standard tasks in any company.

Increasing numbers of company representatives feel that the future will witness IT security as a basic prerequisite for corporate success. Planned business objectives can only be achieved without problems if all relevant processes are secure. For the most part, this issue focuses on especially security-sensitive topics such as W-LAN, mobile computing, and the Internet. It is not sufficient to keep an eye on the mere security functionality. The desired results can only be realized if activities are both cost-efficient and user-friendly.

## **Public Key Infrastructures (PKI) – an important basis for network security management**

PKI systems ensure the secure management of digital certificates. They verify the identity of every user. In addition, economical PKI systems integrate numerous IT security applications, e.g. secure W-LAN, Single Sign-On, or VPN. However, the requirements made with regard to the manageability of these infrastructures grow considerably as the level of complexity increases. Giesecke & Devrient (G&D) responded by developing StarSign® Token, a multi-application-enabled solution for PKI concepts that fits all conventional operating systems.

StarSign Token® facilitates the requirements-oriented and cost-efficient use of the latest security technologies for virtually all companies.





## Your partner for security technology worldwide

G&D is a security technology company that has been setting global standards in this sector right from the start. This is a consequence of the company's traditions: as a renowned banknote producer, it has always been acutely conscious of the most stringent security standards. For many years now, G&D has also been applying these insights to other areas. This commitment is substantiated by many smart card solutions implemented in a large variety of applications worldwide in the following areas:

- IT security
- Healthcare
- National identification systems
- Electronic payment
- Mobile telecommunications
- Transportation

In addition, G&D has time and again successfully driven new leading concepts in the area of security through intensive research and development efforts. This is particularly true of authentication systems. In this area, G&D is among the technological pioneers and leading authorities. Our complete solutions, which increasing numbers of companies around the globe are taking advantage of, are examples of this competence. Every one of these solutions, whether standard or unique concepts, consistently unite highest reliability, efficiency, and profitability – success factors that are vitally linked to the newest security technologies of today.

# StarSign® Token – the key to ideal IT application use

G&D has been a driving force in the development of smart card security standards. StarSign® Token is a solution designed to combine the results of state-of-the-art standards and the peak of innovation. Its core task is to enable cost-efficient, reliable, and easy use of the many applications available in the area of IT security today.

## The major advantage of the interfaces

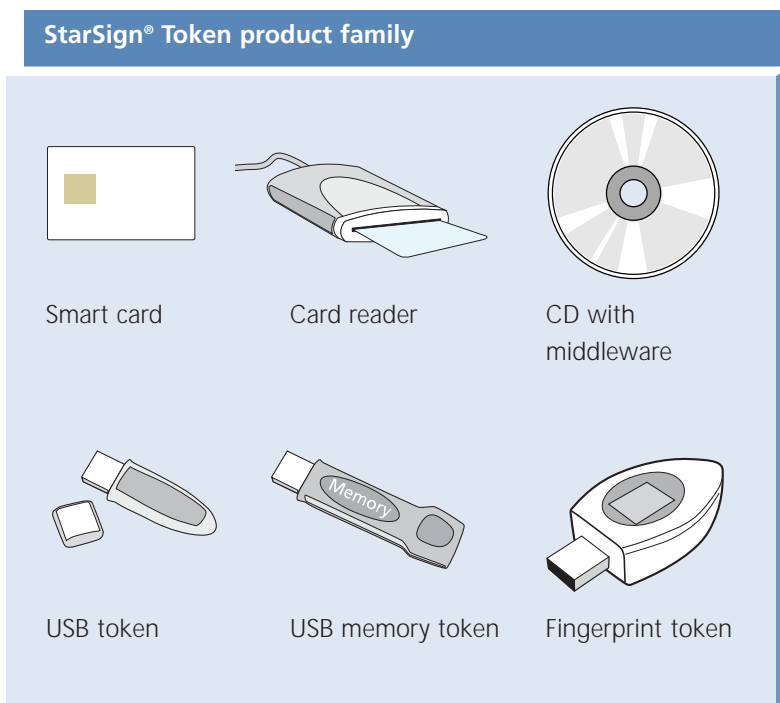
StarSign® Token is a hardware-based solution that adheres to a simple principle: the access key is completely decoupled from the PC – in contrast to software-based solutions – making illegal computer access without a card or USB token utterly impossible.

StarSign® Token incorporates all IT security solutions available on the market, e.g. products for e-mail security, encryption, authentication, etc., via standard software interfaces.

StarSign® Token software from our partner AET provides interfaces to competitors' cards. It sets completely new benchmarks and facilitates the simple integration of complex complete solutions.

## The most important StarSign® Token features at a glance:

- StarSign® Token is available in various forms, e.g. as a smart card or USB token
- Trouble-free integration of StarSign® Token in almost any IT environment regardless of the complexity of the network structure
- A single card supports an extremely wide variety of applications
- The user remains flexible and independent of vendors and platforms
- Considerable cost savings, e.g. through reduced user administration, helpdesk support, and process optimization
- Ease of use leads to a high level of user acceptance





## Boost IT, W-LAN, and Internet security as well as data protection

Independent of the form factor, StarSign® Token is the ideal tool for using all important technologies offered in the area of IT security. The system supports these and other applications:

- Windows logon
- Network / Internet authentication
- E-mail security
- VPN clients
- Single Sign-On solutions
- Other PKI-based applications, e.g. hard disk encryption

However, StarSign® Token does even more: as a card, it can also take on functions from other business areas as required. It features high variability to en-

able perfect adaptation to the situation and requirements on site. For example, hybrid cards are available which have contactless chips in addition to the normal chip. This makes it possible to use the same card for authentication at the PC as well as for contactless corporate ID systems. Similarly, the USB token not only offers security, it is also available with 64 MB and more memory upon request.

Of course, card readers are also available for the cards. As an option, G&D can provide solutions which facilitate user authentication via fingerprint verification instead of or in addition to the PIN entry.



## A complete customized security package from a single source

StarSign® Token always remains only a part of a solution. Therefore, G&D offers complete solutions extending beyond this crucial component: from PKI to biometrics, comprising standard modules or customized to suit unique requirements, including personalization, lettershop, and card management.

In collaboration with our partners, we offer the complete service spectrum. This encompasses requirements analysis and specification as well as the choice and customization of the application, right

through to the implementation of all project stages. The seamless fulfillment of your security applications' process requirements is guaranteed from the moment the solution is created.

StarSign® Token not only secures your electronic data, but also boosts your economical success through rapid return on investment. Take, for example, a major bank that was able to reduce its costs by 2.4 million Euros annually through a card-based Single Sign-On solution!





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