



Giesecke+Devrient

# StarSign® PKI Cards: Elevate your Enterprise security to the next level



## Empower your enterprise with Unmatched Asset Protection and Access Control.

The world of work is evolving. Technology has driven rapid changes in how and where we do business and share information. This evolution has also exposed enterprises to new challenges in securing their assets, employee and client identities, and business critical data. Many organizations are struggling to keep pace with securing their networks and assets from unauthorized access and exploitation.

Enterprises know the value of providing the right levels of access to the right people, whether that's facilitating entry to physical premises or protecting sensitive data. Yet providing flexibility and security while avoiding adding unnecessary delays and frustrations to the process can be a delicate balance.

### Optimize access control and protect your assets with StarSign® PKI Cards

ID cards have long been used as a first line of defense in corporate identity and access management. StarSign® PKI Cards build on this familiarity, adding the functionality and versatility of modern smart card hardware.

Operating in two modes, contactless and dual interface EMV-ready for access control as well as payment authorization, StarSign PKI cards help you address a variety of use cases. If your organization is looking to optimize access control, StarSign® PKI Cards could be the right fit for you. Our optional middleware facilitates communication between cards and host applications, enabling a host of advanced features. from secure log-in and remote access to a range of measures to lock down devices, files, and emails, as well as seamless experiences for end-users.

## Benefits at a glance

### Convenience

Provides a portable authentication solution for contactless physical access control and dual-interface authentication that can be extended and upgraded in the field.

### Flexibility

Offers a plug-and-play solution for any platform supporting smart cards (Windows 10 and higher, Mac OS, Linux, Redhat and Ubuntu) based on standard Java Card and Global Platform specifications to meet both current requirements and future needs.

### Versatility

Meets current requirements and future needs during the card life cycle through a multi-application platform, based on standard Java Card and Global Platform specifications.

### Security

Prohibits unauthorized usage through state-of-the-art cryptographic features such as RSA and elliptic curves as well as SHA-512. Integrated physical security features, such as guilloches, holographic films and security inks to prevent counterfeiting.

### Customization

Maximize ROI through easy future integration of additional applications using open architecture. Showcase your brand's identity through visual customization options.

### Sustainability

Choose from a range of certified eco-innovative materials that can support any Enterprise's sustainability and ESG strategies.

## Complete card customization for multiple use cases

### Hardware

The StarSign PKI Card can be used for physical access control in contactless mode, facilitating time recording and for proprietary payment functionalities. Cards can be customized with different physical access control applications, while still serving as a traditional employee ID badge.

Cards in dual interface configuration are compatible with leading smart card readers and smart card management systems (SCMS) and offer custom configuration options for one-off use cases, ensuring versatility in almost any scenario – including debit and credit (EMV) payment processes.

### Software

Our optional middleware platform enables all communication between StarSign PKI Cards and host applications. It's compliant with global industry standards and runs on most modern operating systems (Windows 10 and higher, Mac OS, Linux, Redhat, and Ubuntu).

### Meets diverse enterprise needs:

- Provides access to corporate premises.
- Enables secure remote connections.
- Protects devices from unauthorized use.
- Unlocks encrypted data.
- Facilitates EMV payments.
- Verifies authenticity of digital messages.
- Simplifies employee time recording.
- Adapts to meet one-off use cases.

### StarSign® PKI Card specifications

<b>OS:</b>	Sm@rtCafé Expert, G+D's Java-based card operating system
<b>Security:</b>	CC EAL6+ certification FIPS 201 compliance
<b>Memory:</b>	80 KB to 157 KB EEPROM
<b>Cryptography:</b>	FIPS 140-2 Level 3 NIST certification (FIPS140-3 upcoming); AES; RSA; elliptic curves; up to SHA-512
<b>Optical personalization:</b>	Card body printing options
<b>Electronic personalization:</b>	Installation and configuration of PKI applications
<b>Integrated physical security features:</b>	Guilloches, holographic films and security inks
<b>Construction materials:</b>	PVC, PET, PETG, PC, HFF, RPVC

If you would like further, more specific detail around the specifications – please get in touch – [here](#).

### Your trusted partner for unrivaled security

With G+D as a partner, enterprises and service providers can concentrate on their core business – without having to constantly worry about how to safeguard their physical and digital assets.

Our industry-leading Access Management and Authentication services are the vital building blocks for the enterprise to build a secure and seamless verification of identities and authorizing transactions.

Find out more about our range of [Enterprise security solutions](#).

### About Giesecke+Devrient

Giesecke+Devrient (G+D) is a global SecurityTech company headquartered in Munich, Germany. G+D makes the lives of billions of people more secure. The company shapes trust in the digital age, with built-in security technology in three segments: Digital Security, Financial Platforms and Currency Technology.

G+D was founded in 1852 and today has a workforce of more than 14,000 employees. In the fiscal year 2022, the company generated a turnover of 2.53 billion euros. G+D is represented by 123 subsidiaries and joint ventures in 40 countries. Further information: [www.gi-de.com](http://www.gi-de.com).



Giesecke+Devrient ePayments GmbH  
Prinzregentenstrasse 161  
81677 Munich  
Germany

[www.gi-de.com/](http://www.gi-de.com/)  
[www.gi-de.com/en/contact](http://www.gi-de.com/en/contact)

Follow us on:

