Giesecke+Devrient

StarSign® Crypto USB Token S: enterprise security, simplified

The key to security in the digital age.

The world is becoming increasingly digital. Consequently, medium and large enterprises, governments, and banks are increasingly depending on information systems—and fears over data security are growing. User authentication can pose a big challenge for these types of businesses—especially regarding remote maintenance services.

This is where Giesecke+Devrient (G+D) comes in. The StarSign® Crypto USB Token S provides strong two-factor authentication, password and credential management, encryption, and secure digital signing for your business. Its compact and lightweight design is the perfect solution to your security concerns.

40m crypto USB keys delivered by G+D to date.

Why StarSign® Crypto USB Token S?

Maintain compliance
The Token is certified by FIPS 140-2 Level 3 and Common Criteria EAL 5+ standards to comply with country-specific regulations.

Unrivalled flexibility
No additional drivers are needed to run the token on Windows XP, Vista, and Windows 7, with other operating systems available on request.

A winning combination
Combines the advantages of a smartcard with a USB device—without providing end users with readers.

User-centric
Rapid processing due to single chip solution, alongside increased help desk and administration efficiency.

Smart, secure, efficient
Plug-and-play solution with a CCID interface. Easily and flexibly integrate with additional smartcard applications.

G+D was the first supplier of USB keys for online banking

How does it work?

StarSign® Crypto USB Token S meets a diverse range of use cases. For example, users can enjoy secure access to applications and VPN connections, get authenticated quickly and securely, sign transactions, and more. It's the perfect tool for identity and access management—on an enterprise scale.

Your trusted partner for unrivaled security

With G+D as a partner, enterprises and service providers can concentrate on their core business without constantly worrying about safeguarding 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**.

If you would like further, more specific detail around the specifications – please get in touch – **here**.

Technical specifications

	Sm@rtCafé Expert 7.0
Smartcard OS	G+D Sm@rtCafé® Expert 7.0 Java Card OS, runs on a smartcard security controller
Smartcard secure element memory	215KB free EEPROM, e.g. PKI applet and 15 key pairs and certificates
Standards and specifications	Java Card 3.0.4 Classic; GlobalPlatform 2.2.1 + Amendment D (SCP03); multiple security domains; multiple DAP (3DES, AES, RSA, ECDSA); authorized and delegated management; RMI; USB 2.0 full-speed; CCID Class specifications (2005)
Certifications	• Chip: Common Criteria EAL 5+ and FIPS 140 2 Level 3 • Token: CE, FCC, WEEE, RoHS
Security	• Enhanced high-security memory management; secured OS against DPA/SPA and physical attacks RNG according to NIST; trusted Channel Booster® for accelerated ICAO secure messaging functionality and support for various privacy protocols
Cryptography	• Symmetric encryption: 3-DES up to 768-bit, AES up to 256-bit, SEED up to 128-bit **Asymmetric encryption:** • RSA up to 4096-bit, DSA up to 1024-bit, ECDSA up to 521-bit, ECDH up to 521-bit Digital signatures with symmetric or asymmetric encryption **Hash algorithms:** • SHA-224, SHA-256, SHA-384, SHA-512
Supported platforms	Windows OS; Linux and MAC OS
System interface	PKCS#11; Microsoft CSP; PC/SC (CCID)
Available smartcard tools	G+D JLoad
Approx. dimensions and weight	L56mm x W16mm x H9.5mm; 5g
Ingress protection class	IP55 for the token body
Operating conditions	0°C to 40°C at 90% RH
Storage conditions	-40°C to 70°C
Maximum power consumption	< 125 mW
Available applets/applications	AET SafeSign; PKCS#11; further applets on request

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.

Giesecke+Devrient

Giesecke+Devrient ePayments GmbH
Prinzregentenstrasse 161
81677 Munich
Germany

www.gi-de.com/
www.gi-de.com/en/contact

Follow us on: