T SECURITY

Magenta Security Smartcards

Off-the-shelf smart card-based products with TCOS in various form factors

Secure Identity with Hardware Security

Digital identities are the key to digital service worlds be it in the online shop, when applying for services digitally or at the workplace.

However, the difficulty in the online realm is that the identity of the other person is difficult to verify:

- Criminals pretend to be someone else in order to gain information/benefits, harm them or manipulate processes.
- The criticality of data and passwords is increasing, but so are the possible attacks on them.
- One-step identification via knowledge does not meet all (legal) security requirements.

This makes it all the more important to have secure digital identities that not only uniquely authenticate people but are also protected against theft and misuse and can be flexibly adapted to different use cases.

Key Features

- Tokens & Services in different sizes Form factors (e.g. ID1, µSD, embedded), e.g. as standard products IDKey Card, NetKey, etc.
- Smart card tokens specifically for use in centrally administered Enterprise Public Key Infrastructures (PKI)
- TCOS Signature Card as a secure signature creation device (SSEE) according to the requirements of the eIDAS regulation
- TCOS Signature Card for Government Applications

Telekom focuses on hardware security with its own smart card portfolio:

Magenta Security smart cards, unlike software solutions, have the necessary mechanisms to protect against attacks on the confidentiality, integrity and authenticity of data and enable secure two-factor authentication.

They are based on the TeleSec Chipcard Operating System (TCOS) – one of the most secure operating systems in the world – which Deutsche Telekom has been continuously developing since 1990. More than 200 million smart cards (e.g. passports and national ID cards) run on TCOS.

With the expertise gained from its own card production, its own smart card operating system and numerous projects, Deutsche Telekom has developed a portfolio of standard chip cards that is attractive to customers, which is suitable for use in the government environment, ID systems, access solutions, eHealth, IoT to Automotive.

Benefits

Advantages of hardware security to protect against attacks, tampering, etc.

- Unambiguous identification of persons and IT components as well as their copy and plagiarism protection
- Secure storage and use of keys – permanently stored on the card
- Multi-level identification through a combination of knowledge and possessions

Connecting your world.

Solution offering for Magenta Security Smartcards

When to use?

If identities and systems are to be secured with highly secure hardware, e.g. critical infrastructure

What support is offered?

Individual support agreement available on request

What is included?

Delivery of Magenta Security smart cards and product-relevant documentation

What does it cost?

- e.g. TCOS 3.0 Signature Card V2.0, from €17.20 per piece (excl. VAT)
- Different price tiers available
- Additional services on request

Expand the Magenta Security Smartcards with additional modules as required.

Smart card-based badge systems:

Highly secure badge systems with TCOS

Secure storage for electronic passports and national ID cards (e.g. German identity card nPa, passport, residence permit)

Secure Elements & Services:

Individual all-in-one services and solutions

Everything from conception to specification, development to rollout and lifecycle management of hardware security products

Hardware security with Magenta Security smart cards? The best solution for the highest and most comprehensive protection!

Smart card tokens based on the TCOS operating system developed by Deutsche Telekom in Germany offer a wide range of services for a wide variety of applications.

Connecting your world.

Contact

Freecall: 0800 33 04444
E-Mail: security.dialog@telekom.de
Web: security.telekom.de

Editor

Deutsche Telekom Security GmbH
Bonner Talweg 100
53113 Bonn