

## Security can be so simple

USB tokens: secure, flexible, simple



ID Hardware

ID Client Security Software

ID Management Systeme

USB tokens provide the ideal combination of complex security requirements and simple operation. They fit on any key chain or in any pocket. With their numerous features and versions, they meet very unique requirements and improve user efficiency. This makes the USB token a wise choice.

### USB tokens make many things possible

They open up a wealth of opportunities in the protected environment of a smart card chip. USB tokens save private keys, passwords and digital certificates as securely as in any safe. A user's private keys can be generated directly on the USB token and never leave

the token. Usage is exclusively within the token. Despite its small size, it unites the smart card as well as the card reader. You simply take the token with you from one workstation to another. The only prerequisite for use is that the PC have a USB connection.

Technical Specifications for USB tokens

USB token	Driver				Token interface			Smart card operating system
	WIN PC/SC	CCID	Linux	MAC OS X	Contactless PKI	MIFARE 4KB	Legic Advant 4KB	
StarKey 100	•	—	•	•	—	—	—	STARCOS SPK 2.3
StarKey 400	•	—	•	•	—	—	—	Sm@rtCafe Expert 64k FIPS
CrypToken M2048	•	•	•	•	—	—	—	JCOP21 v2.3.1
IDp 100	•	—	•	◦	—	—	—	i-COS 36
IDp 200	•	—	◦	◦	•	•	(optional)	JCOP41 v2.2.1
IDp 1000	•	•	•	•	—	—	—	JCOP21 v2.3.1
mIDentity*	•	—**	•	•	—	—	—	JCOP41 v2.3.1
eToken PRO (Java) v 1.1	•	•	•	•	—	—	—	IDProtect v0106.8015.0508

For detailed information about smart card operating systems please refer to our smart card data sheet

• = available / - = not available / ◦ = in development / \* with flash memory up to 1 GB, customized applications on the token / \*\* Zero Footprint, driverless (HID)



**Twice as secure with two-factor authentication**

USB tokens offer very high security by means of two-factor authentication: Ownership and knowledge. This means that the user has to first of all own the USB token, and secondly know the PIN. Only the right combination allows access to the data and applications. The user's access data cannot be copied, modified or used without authorization. The hard plastic housing provides additional protection against external influences.

**Flexible use in many different environments**

USB tokens can be easily integrated into security solutions that include MS-CAPI or PKCS#11 via standard software interfaces. The result is flexible implementation opportunities, e.g. for:

- Virtual Private Networks (VPN)
- SSL client authentication
- Digital signatures for documents
- E-mail encryption
- Windows logon
- Single sign on
- Hard drive encryption
- WLAN access and more

IDpendant GmbH  
Edisonstrasse 3  
D-85716 Unterschleissheim/Munich

Phone +49 89 3700 110-0  
Fax +49 89 3700 110-10  
info@idpendant.com

**Solutions for all security levels and security requirements**

The integrated state-of-the-art cryptoprocessors provide certification on various security levels. Various proprietary or Java™-based card operating systems from different manufacturers are available for USB tokens. They vary in terms of technical features, such as the size of EEPROM memory, and in terms of certification (CC, ITSEC, FIPS). Please refer to the datasheet smart cards for details.

**USB tokens with contactless options for physical access**

Proximity USB tokens combine classical smart card technology with the benefits of contactless transponder technology. With Proximity USB tokens, all typical PKI applications such as Windows Log-on, hard disk encryption and user authentication, contactless options are available for these functions as well. They also offer additional functionalities in the area of physical access, including contactless door opening, time-recording options and payment systems based on Mifare or Legic.