d-trust.

PRODUCT DATA SHEET

Legal digital signatures

The qualified signature card 4.1 from D-Trust

Advantages at a glance

01
Legally binding
In the digital world, corresponds to the handwritten signature

02
Effective
Enables the digitalization of entire business processes

03
Secure
Uses highly secure cryptographic keys and algorithms

04
Certified according to eIDAS
Europe-wide guarantee of maximum data security

Closing the gap in digital communications

A qualified signature card allows you to digitally sign electronic documents. A qualified signature can be used wherever electronic specialist procedures require the written form and a personal signature. For example, contracts can be signed electronically in a legally binding manner, public tenders can be processed via electronic award platforms or court documents can be submitted online.

The qualified signature card is issued exclusively to natural persons and cannot be transferred. The recipient of an electronically signed document can rest assured that the signature is in fact from the sender and that the contents of the document have not been altered.

Part of the Bundesdruckerei Group
bdr.

Signature cards are the best solution when many documents need to be signed electronically.

D-Trust, a Bundesdruckerei Group company, is the partner of choice for private companies and public authorities who are looking to equip their employees with signature cards. D-Trust offers user-friendly identification procedures (extIdent and BehördenIdent), which are required by law to identify signature card holders. These procedures can be carried out at the organization or public authority where the signature cards are to be centrally issued and managed.

Signature cards in practice

Many application possibilities

- Electronic legal communications
- Emissions trading
- Contracts, employee leasing, business correspondence
- Statements of claim, notices
- Expert opinions and final reports
- Auditors and tax auditors
- Completeness test certificates (Packaging Act)
- Electronic tax return with ELSTER-Plus
- Electronic civil status register
- QE invoicing: electronic invoicing that qualifies for input tax deduction
- Online dunning
- Quality management documents
- Design and construction drawings
- Electronic waste notification system (eANV)
- Registration of intellectual property rights with the German Patent and Trade Mark Office
- Replacement scanning and archiving

Advantages of signature cards

- Predictable costs (acquisition costs only)
- Extendable: Organizational data can be recorded
- Offline use possible

Select the right card type for you

D-Trust's Standard card is used when documents are to be digitally signed individually. Anyone who wishes to sign several documents digitally in a fast and legally binding way can use D-Trust's Multi card or D-Trust's M100 card. D-Trust's M100 card is a convenient option allowing up to one hundred documents to be signed in a single run. D-Trust's Multi card, on the other hand, provides excellent support for automated signature processes.

Certificates

- All signature cards contain a qualified X.509 certificate from an eIDAS-compliant PKI for a qualified electronic signature (QES).
- All signature cards additionally contain a non-qualified X.509 certificate for authentication and encryption purposes.
- The certificates are valid for a term of up to three years.
- The trusted qualified certificates can be verified via the national eIDAS Trusted List* and the EU's List of eIDAS Trusted Lists (LOTL)*.

Other components

- The PIN and PUK are provided separately for each card for security reasons
- 'D-Trust Card Assistant' software for card initialization and PIN change is provided free of charge
- Available in the REINER SCT Shop**: Smart card reader, class 2 or 3
- Signature software from various providers

* https://webgate.ec.europa.eu/tl-browser/#/
** https://www.chipkartenleser-shop.de/bdr_hw

Product variants

		D-Trust Card 4.1 Standard	D-Trust Card 4.1 M100	D-Trust Card 4.1 Multi
1	Number of signatures per PIN entry	1	100 max.	Unrestricted
2	Card operating system	CardOS 5.4	CardOS 5.4	CardOS 5.4
3	Cryptographic keys	RSA 3,072 bits	ECC Nist P-256	ECC Nist P-256
4	Algorithm for qualified signatures	RSA-PSS	ECDSA	ECDSA
5	Algorithms for non-qualified signatures, authentication, key agreement/decryption	RSA-PSS, RSA PKCS#1 V1.5	ECDSA, ECDH	ECDSA, ECDH

Version 27.05.2022