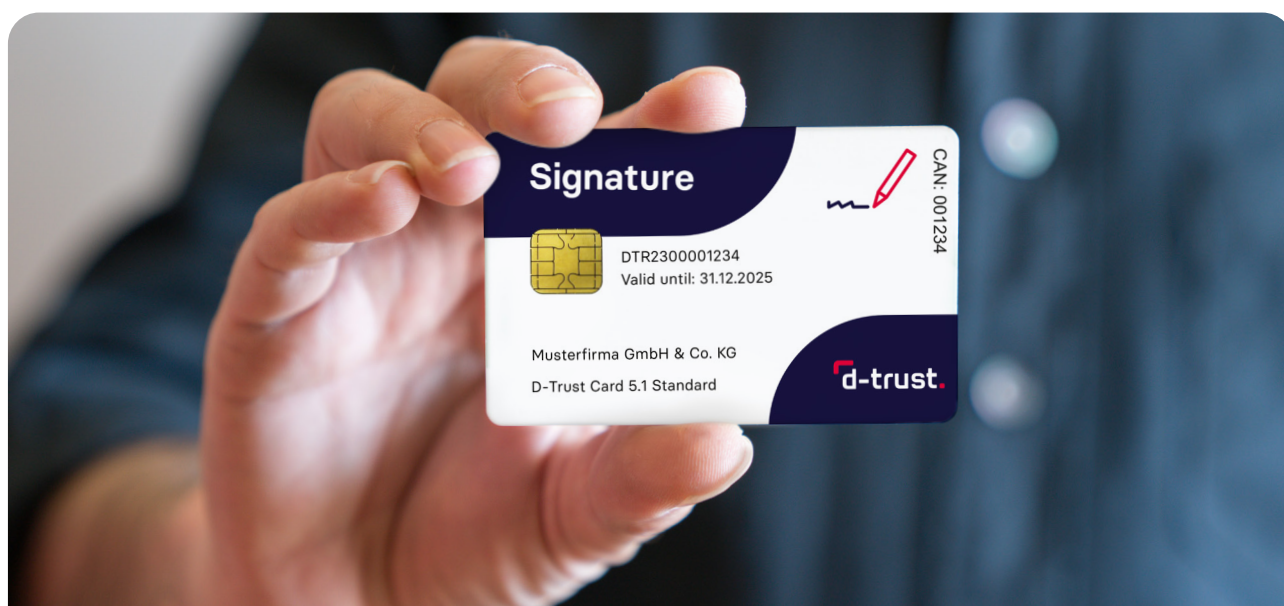**d-trust.**

Legally binding digital signature

The qualified signature card 5.1 from D-Trust

Advantages at a glance

01

Legally binding
Corresponds to the handwritten signature in the analogue world

02

Trusted
Allows the digitalisation of entire business processes

03

Effective
Use of highly secure cryptographic keys and algorithms

04

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

The QES: Tamper protection and proof of origin

D-Trust signature cards are used to create qualified electronic signatures (QESs). Each qualified signature card is issued exclusively to natural persons and cannot be transferred. The recipient of the electronically signed document can rest assured that the signature is in fact the sender's signature and that the contents are authentic.

D-Trust provides user-friendly identification procedures for secure identification. Individuals can use the eID. Organisations and authorities can identify their employees on site and centrally control the issuance of the signature card.

Part of the
Bundesdruckerei
Group

bdr.

Signature cards are the best solution when documents need to be signed electronically on a regular basis.

Many possible applications

The qualified signature card is the key to qualified electronic digital signatures for documents. It can be used for **electronic specialist procedures** that require the written form and a personal signature. The QES enables, for instance, the legally binding electronic signing of **contracts,** the processing of **public tenders** via electronic award platforms or the online submission of **court documents.**

In addition to use in contracts, public tenders and court documents, many other use cases are possible, such as:

- Emissions trading
- Employee leasing
- Expert opinions and final reports
- Audits, including tax audits
- Completeness test certificates (Packaging Act)
- Electronic tax return with ELSTER-Plus
- Electronic civil status register
- Online dunning
- Quality management documents
- Construction drawings and blueprints
- Electronic waste notification procedures
- Registration of intellectual property rights with the German Patent and Trade Mark Office

Advantages of signature cards

Offline use of the card is possible at any time. Costs are transparent since the only expense incurred is the costs of buying the card itself. For larger organisations, D-Trust offers graduated prices and a flexible combination of various identification procedures.

Select the right card type for you

D-Trust's Standard card is used to sign individual documents digitally.
D-Trust's M100 card is a convenient option allowing batches of up to 100 documents to be signed in one go. D-Trust's Multi card, for instance, supports automated signature processes.

Certificates

- The certificates can be upgraded to include organisational data and selected occupational attributes.
- 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 trustworthiness of the qualified certificates can be verified via the "national eIDAS Trusted List"* and the
- "EU List of eIDAS Trusted Lists" (LOTL)*.

Other components

- The PIN and PUK are provided separately for each card for security reasons.
- A CAN (Card Access Number) provides a secure channel for communication with the card chip. The cards are NFC-enabled.
- The D-Trust Card Assistant software for card initialisation and PIN change is provided free of charge.
- A chip card reader is available from the REINER SCT shop**.
- Software for signature and seal solutions is available from various providers.

*https://webgate.ec.europa.eu/tl-browser/#/
**https://www.chipkartenleser-shop.de/bdr_hw/zubehoer-d-trust-card-5x

Product comparison	D-Trust Card 5.1 Standard	D-Trust Card 5.1 M100	D-Trust Card 5.1 Multi
1 Number of signatures per PIN entry	1	100 max.	Unrestricted
2 Card operating system	CardOS 6.0	CardOS 6.0	CardOS 6.0
3 Cryptographic keys	3,072-bit RSA	ECC Nist P-384	ECC Nist P-384