PRODUCT SHEET

Qualified authentication and signing

The D-Trust signature card with qualified authentication

Advantages at a glance

01

Efficient
Two requirements fulfilled with just one card.

02

Legally effective
The qualified signature fulfils the written form requirement.

03

Secure
Use of highly secure cryptographic keys.

04

Certified according to eIDAS
Europe-wide guarantee of outstanding data security.

Securely identified for online applications

More and more applications, such as those of the EU's Unified Patent Court (UPC), require not only a qualified electronic signature from users, but also secure login using a certificate issued in accordance with eIDAS. D-Trust's 4.1a UPC signature card is the key to this authentication. At the same time, the card contains a certificate for qualified signatures according to the eIDAS regulation.

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Applications, such as those of the EU's Unified Patent Court (UPC), require both secure authentication and a qualified signature. Both are securely implemented with D-Trust's 4.1a UPC signature card.

Reliable personal data

Signature cards are always issued exclusively to natural persons and are not transferable. Personal identification is required by law.

Each of the cards issued by D-Trust contains two certificates:

- The certificate for authentication enables secure login to online applications. What's special in this area of application are the identity verified by the trust service provider and the provision of a certificate on a qualified signature creation device (QSCD).

- Each time a signature is executed using the **qualified signature certificate**, the recipient of the 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.

The matching card

D-Trust's 4.1a UPC signature card is available as a single signature card. Both certificates included on the card are valid for two years.

Both trusted certificates can be verified via the national eIDAS Trusted List and the EU List of eIDAS Trusted Lists (LOTL).

The following additional components are also required:

- 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

- A smart card reader, class 2 or 3 is available from REINER SCT Shop

- Middleware for authentication at the UPC, such as Nexus Personal (available from REINER SCT Shop)

- Signature software for the qualified electronic signature (available from various providers)

Product comparison	D-Trust Card 4.1a Standard	D-Trust Card 4.1a UPC
Certificate validity	3 years max.	2 years
Inclusion of the organization in the certificate	Yes, optionally possible free of charge	Yes, optionally possible free of charge
Inclusion of an occupational attribute in the certificate	No, other order method, subject to a fee, possible	No
Qualified certificate for electronic signing	Yes	Yes
Certificate for electronic authentication at the UPC	No	Yes
E-mail signature and encryption	Yes	No
Number of signatures per PIN entry	1	1
Card operating system	CardOS 5.4	CardOS 5.4
Cryptographic keys	RSA 3,072 bits	RSA 3,072 bits