

REINER SCT Authenticator

Hardware for secure two-factor authentication (2FA) with TOTP



Immediately ready to use for:



Data sheet

Entering only your user name and password for a login is no longer secure nowadays. Almost all leading online platforms therefore offer the possibility of logging in with a further component.

This so-called two-factor authentication (2FA) provides a high protection level for your user account against misuse and identity theft even when your user name and password fall into the wrong hands.

The Federal Bureau for Security in Information Technology (BSI) expressly recommends the use of a two-factor authentication!

The most frequently used method is the time-based one-time password method or TOTP for short. Authenticator apps on smart phones are often used. However, the TOTP is easy to spy out here because of the limited security of smart phones.

Hardware-based TOTP generators offer maximum security.

The **REINER SCT Authenticator** saves the electronic codes for the logins safely in its hardware and then generates the TOTP codes with high accuracy every 30 seconds. It works without connection to the Internet and is therefore immune to online attacks. Its function can be protected additionally by a PIN.

The **REINER SCT Authenticator** detects the authentication data displayed by the online platform in the form of a QR code in a split second by means of its built-in camera and assigns these to an account.

The highlights

- Secure two-factor authentication (2FA) with TOTP
- For smart phone, tablet, notebook or desktop
- Immediately ready to use for all leading online platforms
- Management of several TOTP accounts
- Security made in Germany

Further information under: reiner-sct.com/authenticator

Technical Data | REINER SCT Authenticator

Category and function

Device category	Hardware TOTP generator
Supported processes	OATH-TOTP according to RFC 6238
Supported TOTP algorithms	SHA 1, SHA 256, SHA 512
Code saving	In the secure hardware chip
Number of TOTP accounts	60
Time synchronisation	www.reiner-sct.com/sync unidirectional by means of encrypted QR Code
Menu functions	Accounts, Reader (identification), Setting (including battery status), User PIN

Keyboard, camera and display

Numerical keys/function keys/special keys	10/3/2 rubber-coated keys
Camera	CMOS colour camera with OmniPixel3-HSTM technology, aperture angle: 57°
Operating display	By TFT colour display
Display	1.77 inch TFT colour display 128 x 160 pixels
Display sector	36 x 29 mm

Hardware properties

Real time clock (RTC)	High-precision quartz real time clock. Average deviation < 1 ppm by automatic calibration in time synchronisation. Reference temperature: 25 °C
Real time clock backup	Backup of the real time clock for approx. 1 minute when changing the batteries
Code saving	In the persistent memory. The TOTP codes and accounts remain saved without battery supply.
Power supply	3x alkaline-manganese batteries, size: AAA / IEC LR03, replaceable
Battery life	Approx. 5 years (basis for calculation: 500 TOTPs per year, the actual life depends on the respective time and type of use and the ambient conditions)
Card slot	None
Housing colours (standard)	Yellow/white
Special colours, customised printing	✔ On request, minimum order quantity
Product dimensions (L x W x H) approx.	102 x 62.5 x 19 mm
Packing dimensions (L x W x H) approx.	201 x 149 x 47 mm
Weight (without/with packing) approx.	80 g/200 g
Ambient temperature storage/operation	-10 °C - 50 °C/0 °C - 50 °C
Permissible humidity	Max. 90% no condensation
Vibration	10 - 75 Hz; 10 m/s ² (ISO/IEC 60068-2-6)
Drop test	1 m (DIN EN 60068-2-31)
Conformity	CE, WEEE, RoHS2, BattG (battery law)

Order data/service/accessories

Product name	REINER SCT Authenticator
REINER SCT article number	2 708 015-001
EAN-Code	t.b.d.
Device packing	Four-colour printed retail box
Scope of supply	REINER SCT Authenticator with 3x AAA batteries and quick guide
Warranty	2 years (no warranty on batteries)
Support	Free and proven online support under: reiner-sct.com/support and telephone support subject to charge at +49 (900) 1001-368*
Design and development	Germany

*1.50 EUR / per minute from the German fixed network. Mobile phone prices can vary.
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Further information under: reiner-sct.com/authenticator