

Strong authentication. Easy.



Airlock 2FA



Nowadays, a user name and password alone are not enough to defend against cyber attacks. The only way to ensure high security is to use strong authentication with a second factor, also known as multi-factor authentication or strong customer authentication (2FA/MFA/SCA). The existing factor knowledge, i.e. the personal access data of the user, are supplemented by the factor possession or property (biometrics). Yet, even with these more stringent checks of the user's identity, the login process must remain easy, user-friendly and cost-efficient. Airlock 2FA ticks all these boxes, and more. There is a facility for managing users, their authentication methods and their keys integrated within Airlock IAM, making it the perfect companion to the Airlock Secure Access Hub. Further, Airlock WAF and Airlock API offer additional protection for web applications, portals, online services and interfaces.

Authentication options with Airlock 2FA



Zero-touch

It couldn't be easier. This unique option enables secure login without any user interaction at all. Zero-touch uses information about your surroundings to authenticate you, making it easier to log in than ever before.



One-touch

Push notifications allow users to securely log in with one click in Airlock 2FA or release transactions such as payments..



Offline QR code

Thanks to QR Code, secure login or transaction confirmation works smoothly even when the smartphone is not connected to the internet.



Passcode

Airlock 2FA generates a security code (one-time password or OTP) every 30 seconds, which you can use for offline authentication.



Passwordless – secure login without the use of a password

With Airlock 2FA, you can implement a passwordless login to make security even easier to use. Insecure passwords are eliminated and replaced by a simple one-touch..

Ideal replacement for other authentication solutions

Many companies have long been aware of the benefits of 2FA and took the step of implementing mTAN (SMS code) or SecurID some years ago. We think these methods are now somewhat outdated in terms of the security they offer for the cost, and should be replaced. With Airlock 2FA companies can count on a user-friendly and futureproof solution that is also kind to operating budgets.

Can be used for any applications

Usually, the implementation of a second factor means a complex project to adapt the applications accordingly. Not so with Airlock 2FA. Thanks to the special architecture of the Airlock Secure Access Hub and the "ready-to-use" App, the new solution can be implemented within a few hours. Users also benefit from single sign-on and self-services for all web applications. Of course with Airlock 2FA also risk-based step-up authentication and further authentication procedures are possible.

The entire functionality is implemented as a REST API and therefore enables seamless integration into modern single page applications (SPA) and native smartphone apps.

Transaction confirmations

Modern banking works like this: when you make a payment online, you must confirm it via a secure and independent channel. Complying with legal requirements such as PSD2 is easy and efficient with Airlock 2FA in combination with the Secure Access Hub. Airlock 2FA is already integrated directly into the online banking systems of Avaloq and Finnova. For other applications outside online banking, Airlock IAM has a transaction approval interface that provides convenient self-service processes, additional security and fraud detection.

Migration processes

A second factor needs more than just a new login page. Users have to be equipped with the app and register it individually and securely. The necessary processes are already integrated in Airlock IAM and can be easily activated. The user can independently switch to the new second factor (self-migration) or activate it (self-enrollment). A step-by-step migration in mixed operation is also easy to achieve. In addition, users can switch smartphones independently without a helpdesk. If a user still needs help, Airlock 2FA offers a web application for the helpdesk. This allows customers to be easily supported and guided through the necessary steps.

All in and all around

Airlock 2FA is available for the operating systems iOS and Android and can be obtained directly from the App Store. Touch ID (fingerprint), face ID (facial recognition) and personal identification number (PIN) are all included as additional protection. It is also possible to integrate branding with your own logo into Airlock 2FA. Alternatively, a customer-specific app with individual look & feel can be provided on request. With an SDK, the 2FA functionality can be integrated into customer apps. For users who do not use a smartphone, a hardware token with display and camera is offered as an alternative.

Also within the company

Airlock 2FA is also easy to deploy within companies, for applications such as authenticating VPN or home office access. This not only increases the user comfort for customers but also for employees.

Time-to-market

Airlock 2FA is integrated into Airlock IAM and uses a cloud service for communicating with smartphones. This helps to keep installation and configuration costs to a minimum. Maintenance and further development of the apps can be done without affecting the operation of Airlock 2FA. New functions are provided in the apps. Details such as how and when these functions are made available can be individually configured in Airlock 2FA.

Overview of Airlock 2FA

Option	User friendliness	Security	Desktop	Single device authentication (mobile only)	Offline
2-factor authentication					
Zero-Touch	+++	++	●	●	
One-Touch	++	+++	●	●	
Offline QR-Code	+	+++	●		●
Passcode	+	+	●	●	●
Transaction approval					
One-Touch	++	+++	●	●	
Offline QR-Code	+	+++	●		●
Password-free authentication					
One-Touch	++	+++	●	●	
Offline QR-Code	+	+++	●	●	●

+++ Outstanding ++ Very good + Good ● Airlock 2FA