

# IDENTIKEY and Virtual DIGIPASS

## OTP delivery via email or SMS

### DIGIPASS

Whether facing data theft, phishing or man-in-the middle scams, regular static passwords no longer provide sufficient protection. Static passwords can easily be guessed, copied, exchanged, shared, and misused. Simple passwords are easy to remember but are highly insecure. Complex passwords are more secure but are often written down, thus compromising the security. Two-factor authentication has proven to be the best countermeasure against hacking and password fraud.

As the global leader in two-factor authentication solutions, VASCO Data Security provides mature technology with a minimal impact on IT architecture. VASCO's solutions are designed to complement existing security policies. They have been refined by years of experience in the world's largest deployments in the banking sector.

VASCO DIGIPASS technology is used by major banks around the globe and can be regarded as the reference for secure user authentication. Insecure static passwords are replaced with a dynamic, time-limited one-time passwords and e-signature to protect online transactions. With IDENTIKEY Server, VASCO introduces affordable two-factor authentication offering the same high-level security to enterprises as used in the financial world to help protect them against unauthorised network access and protect their applications.

### IDENTIKEY SERVER

IDENTIKEY Server is the next-generation centralized authentication server that supports DIGIPASS® strong authentication technology. It verifies authentication requests from individuals trying to access the corporate network or business applications and centrally administers user authentication policies.

Built around VASCO's core VACMAN authentication platform, IDENTIKEY Server is flexible yet robust enough to offer the highest level of security in an admin-friendly package. Developed using industry standards for data communication, it is a good fit for large and small enterprise network security implementations. IDENTIKEY Server works well with most remote access tools such as SSL-VPN, Firewalls, Intranets, Extranets, and a variety of web applications. It can run on Windows and Linux platforms without causing any of the headaches commonly associated with the maintenance of two-factor authentication systems.

### VIRTUAL DIGIPASS

Virtual DIGIPASS is VASCO's mobile SMS and e-mail-based authentication solution that is completely integrated into IDENTIKEY Server. It offers you a user-friendly and cost efficient solution for strong user authentication and e-signatures.

The end-user can request a one-time password to be delivered via SMS or e-mail before logging on. It adds another security layer to existing log-on functions where static passwords are still in use. With Virtual DIGIPASS your one-time password is sent by SMS to your portable device or by e-mail to your inbox. Delivering the OTP via a channel that is different from the channel in which the information is submitted, mitigates risks and decreases fraud vulnerability bringing overall security to a higher level.



VASCO created the concept to offer you an alternative authentication method when your DIGIPASS is not available. In case of loss or when abroad or at home, business continuity is still guaranteed.

Virtual DIGIPASS can also be used as the primary authenticator. The solution is compatible with ordinary cell phones, Smartphones, tablets, text pagers and wireless PDAs, eliminating the roll-out of hardware and software based authentication devices. It can be implemented for different services such as internet banking, e-commerce, online applications and remote access.

Additionally, the use of time-based OTPs versus event-based authentication increases the level of security even more, as the delivered OTPs expire after a 30 second time window, which renders them useless should they be intercepted or copied.

## HOW DOES IT WORK?

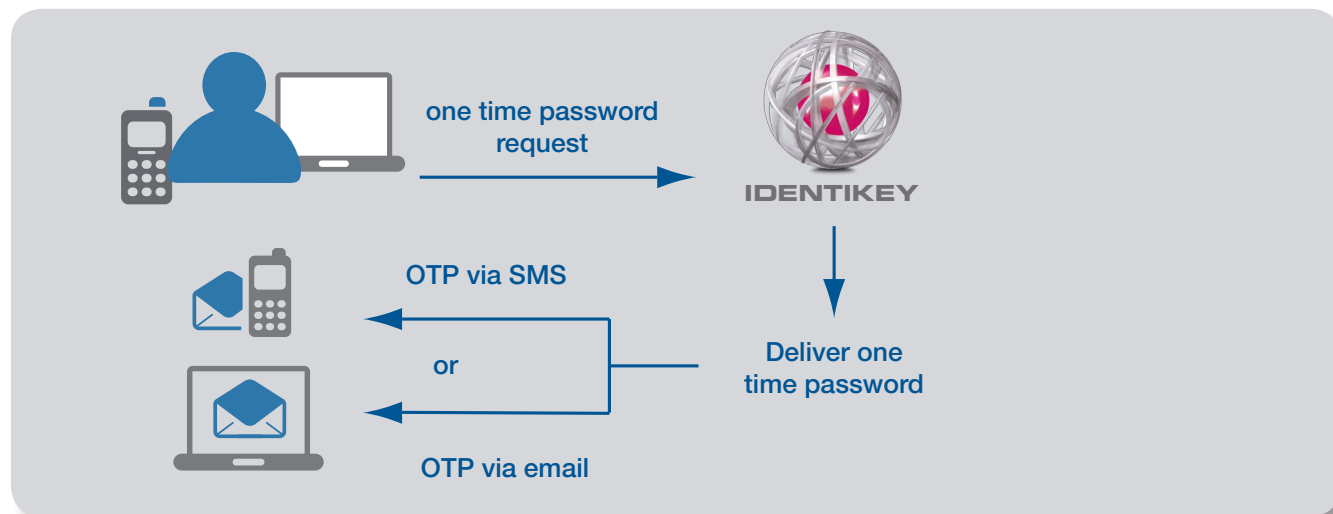
The end-user requests a one-time password to be delivered by Virtual DIGIPASS. This triggers IDENTIKEY to generate an OTP and send it to the user via the method that is stored in his profile. When he receives the OTP, the user can log-on just like with any other DIGIPASS-generated OTP.

## FEATURES

- Virtual DIGIPASS uses out-of-band (SMS, e-mail) to deliver an OTP to the user, which increases security
- Event-based and time-based one-time-passwords are available
- OTP delivery via SMS message to your mobile phone
- OTP delivery via SMTP to your e-mail address
- Back-up solution for hardware DIGIPASS

## BENEFITS

- No extra hardware or logistics investment needed
- No additional authentication device needed (in primary mode)
- Easy to distribute, maintain and deploy
- Fast time-to-market
- Low start-up cost
- Always available; business continuity option
- Time-based technology enhances security



## About VASCO

VASCO® is a leading supplier of strong authentication and e-signature solutions and services specializing in Internet Security applications and transactions. VASCO has positioned itself as global software company for Internet Security serving customers in more than 100 countries, including several international financial institutions. VASCO's prime markets are the financial sector, enterprise security, e-commerce and e-government.

## www.vasco.com

**BRUSSELS (Europe)**  
phone: +32.2.609.97.00  
email: info-europe@vasco.com

**BOSTON (North America)**  
phone: +1.508.366.3400  
email: info-usa@vasco.com

**SYDNEY (Pacific)**  
phone: +61.2.8061.3700  
email: info-australia@vasco.com

**SINGAPORE (Asia)**  
phone: +65.6323.0906  
email: info-asia@vasco.com