

DIGIPASS PRODUCT OVERVIEW TABLE

		TIME EVENT / CHALLENGE / BASED ALGORITHMS	CHALLENGE / RESPONSE	RESPONSE ONLY	DES / (3)DES	AES	OATH	UNLOCKING VIA CHALLENGE / RESPONSE	UNLOCKING PIK CODE	LANGUAGE SUPPORT	N° OF APPLICATIONS	ACTIVATION METHOD	EXPECTED LIFETIME (IN YEARS)	DESIGNED FOR	SPECIAL FEATURE
	GO 1	TIME EVENT		✓	✓			SERVER			1	PROG	5	REMOTE ACCESS	EASY
	GO 2	TIME EVENT		✓	✓	✓				✓	+5	SMART CARD	5	REMOTE ACCESS BANKING	BALANCE READER
	GO 3	TIME EVENT		✓	✓		✓	SERVER			1	PROG	5	REMOTE ACCESS	EASY
	GO 5	TIME EVENT		✓	✓	✓	✓	SERVER			1	PROG	5	REMOTE ACCESS	ROBUST & WATERPROOF
	250	TIME EVENT CHAL	✓	✓	✓			✓			3	PROG	7	BANKING	PORTABLE
	260	TIME EVENT CHAL	✓	✓	✓			✓			3	PROG	7	BANKING	PORTABLE
	300	TIME EVENT CHAL	✓	✓	✓			✓			3	PROG	10	BANKING	LONG TIME BATTERY
	300 COMFORT	TIME EVENT CHAL	✓	✓	✓	✓		✓	✓		3	PROG	10	BANKING	LARGE BUTTONS & DISPLAY
	550	TIME EVENT CHAL	✓	✓	✓	✓		✓	✓	✓	4 x 2	PROG	5	BANKING	MESSAGES IN OWN LANGUAGE
	560	TIME EVENT CHAL	✓	✓	✓	✓		✓	✓	✓	4 x 2	PROG	5	BANKING	MESSAGES IN MULTIPLE LANGUAGES
	580	TIME EVENT CHAL	✓	✓	✓	✓		✓	✓	✓	4 x 2	PROG	5	BANKING	ENHANCED DISPLAY FEATURES
	585	TIME EVENT CHAL	✓	✓	✓	✓		✓	✓	✓	4 x 2	PROG	5	BANKING	OTP WITHOUT PIN
	700	TIME EVENT CHAL	✓	✓	✓			✓		✓	8	PROG	5	BANKING	COMPLEX SIGNATURES
	800	TIME EVENT CHAL	✓	✓	✓	✓				✓	+5	SMART CARD / PROG	5	REMOTE ACCESS E-COMMERCE BANKING	BALANCE READER
	810	TIME EVENT CHAL	✓	✓	✓	✓				✓	+5	SMART CARD / PROG	5	REMOTE ACCESS E-COMMERCE BANKING	SLIM DESIGN
	815	EVENT CHAL	✓	✓	✓	✓				✓	+3	SMART CARD / PROG	5	REMOTE ACCESS E-COMMERCE BANKING	BALANCE READER
	820	EVENT CHAL	✓	✓	✓	✓				✓	+5	SMART CARD / PROG	5	REMOTE ACCESS E-COMMERCE BANKING	BALANCE READER
	850	TIME EVENT CHAL	✓	✓	✓	✓				✓	VIA PC	SMART CARD / PROG	5	REMOTE ACCESS E-COMMERCE BANKING / PDI	USB CONNECTION
	860	EVENT		✓	✓		✓				1	PROG	5	REMOTE ACCESS E-COMMERCE BANKING	HYBRID
	DIGIPASS 900	EVENT CHAL	✓	✓	✓	✓	✓			✓	VIA PC			REMOTE ACCESS E-COMMERCE BANKING / PDI	TRUSTED TESTIMONIAL
	FOR PALM	TIME EVENT CHAL	✓	✓	✓			SERVER			∞	ONLINE	NOT APPLICABLE	REMOTE ACCESS	MULTI PROFILES
	FOR POCKET PC	TIME EVENT CHAL	✓	✓	✓			SERVER			∞	ONLINE	NOT APPLICABLE	REMOTE ACCESS	MULTI PROFILES
	DIGIPASS SOFT	TIME EVENT CHAL	✓	✓	✓	✓		SERVER			∞	ONLINE	NOT APPLICABLE	REMOTE ACCESS	MULTI PROFILES
	FOR SIM	EVENT CHAL	✓	✓	✓				✓		8	ONLINE	NOT APPLICABLE	BANKING	MOBILE BANKING
	VIRTUAL DIGIPASS	TIME EVENT		✓	✓			SERVER			∞	ONLINE	NOT APPLICABLE	BANKING / E-COMMERCE	EASY
	FOR JAVA PHONE	EVENT	✓	✓	✓	✓				✓	3	OVER THE AIR	NOT APPLICABLE	REMOTE ACCESS E-COMMERCE BANKING	FLEXIBLE

VASCO designs, develops and supports patented "Identity Authentication" products for secure network access, e-business and e-commerce.

VASCO's user authentication software is carried by the end-user on its Digipass products which are small "calculator" hardware devices, or in a software format on mobile phones, other portables devices, and PC's.

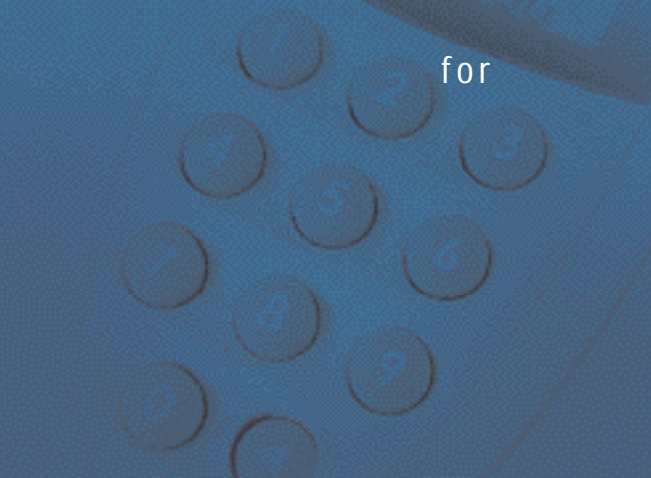
At the server side, VASCO's VACMAN products guarantee that only the designated Digipass user gets access to the application.

VASCO's target markets are the applications and their several hundred million users using fixed password as security.

VASCO's time-based system generates a "one-time" password that changes with every use, and is virtually impossible to hack or break.

With over 20 million current users of its Digipass products, VASCO has established itself as a world-leader in strong authentication with 2550 clients including over 450 international financial institutions, approximately 2100 blue-chip corporations, and governments representing more than 98 countries.

Strong Authentication Solutions & e-Signatures



for

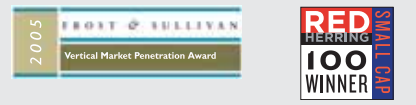
> e-Banking
Over 450 financial institutions around the world use VASCO products - based on Digipass and EMV technology - to secure their internet banking, phone banking, internet brokerage, and m-Banking applications.

> e-Commerce
In collaboration with the major vendors of 3-D Secure™, VASCO brings improved security for e-Commerce consumers. EMV card issuers can re-use cards for advanced authentication for internet and telephone purchasing.

> e-Business
Business-to-Business requires negotiation, integration and trust from all parties involved in order to have a coherent business process. The risk of fraud increases as varying businesses interact over the Internet. VASCO Digipass ensures that the identity of each user is authentic and trusted.

> Networks
VASCO secures the corporate network by enforcing Digipass strong authentication for remote access (Firewall, RADIUS and Access Servers) and VPN users as well as web and custom applications.

> e-Government
VASCO secures governmental confidential information with Digipass solutions for digital ID cards, tax payment and registered mail.





DIGIPASS: STRONG USER AUTHENTICATION & E-SIGNATURES

Digipass provides strong user authentication and e-signatures and is compatible with more than 50 international vendors for e-Commerce, e-Banking, Networks and e-Government applications

> Strong Authentication & e-Signatures

												
<p>Digipass Go 1, Go 3 > Ultra-portable, sleek, and easy-to-use.</p> <p>Digipass Go 5 > Same functionalities as Go1 and Go3 but more robust and waterproof. exist in AES, DES/3DES, and OATH versions.</p>			<p>Digipass 250, 260, 300 > Streamlined and designed to fit in the palm of your hand. Intuitive user interface (no user manual required) allows you to generate passwords with a minimal number of key strokes.</p>			<p>Digipass 300 Comfort > The Digipass 300 Comfort is specially designed for people that require a larger visual display and keypad.</p>		<p>Digipass 550, 560 > Combines host authentication and support for multiple languages.</p>		<p>Digipass 580 > Supports complex characters such as Chinese, Cyrillic, Thai etc. Digipass 585 > Same functionalities as the Digipass 580 but with added OTP feature or "help" feature without opening the hard cover.</p>		<p>Digipass 700 > The Digipass 700 allows very complex security algorithms, using default values (own account, time stamp, etc.).</p>

> Strong Authentication on Virtually any Platform

					
<p>Digipass for Palm, Pocket PC > Adds Digipass security to your pocket PC or Palm device.</p>		<p>Digipass Soft > Provides the same functionality as the hardware Digipass, but resides on the PC.</p>	<p>Digipass for SIM > SIM toolkit enables Digipass authentication on a mobile phone.</p>	<p>Digipass for JAVA > Provides Digipass authentication technology to any mobile phone that supports JAVA.</p>	<p>Virtual Digipass > Server based solution to provide strong authentication via SMS, pager or another delivery method.</p>


> Digipass Pack

The Digipass Pack addresses the security gap caused by using static passwords for user authentication. The Digipass Pack enforces two-factor authentication to any network environment using the RADIUS protocol. Typical environments include VPN, firewall, and remote access users.

The Digipass Pack also brings strong authentication to Windows networks and web applications such as Outlook Web Access (OWA) and Citrix.

The Digipass Pack has been certified with Avaya, Check Point, Cisco Systems, F5, Juniper, Novell, Watchguard, Lotus Domino, etc. Please contact VASCO for the latest certification status.

Digipass Pack is available for Digipass Go 1, Digipass Go 3, Digipass 260, Digipass 300 and Digipass Soft.



> Strong Authentication, Smart Cards & EMV Solutions

							
<p>Digipass Go 2 > Turn an existing chipcard or memory card into a powerful authentication device with balance reader function.</p>	<p>Digipass 815 > Cost effective solution for remote strong authentication with chipcards.</p>	<p>Digipass 800, 810, 820 ></p> <ul style="list-style-type: none"> - Unconnected trusted Personal Chipcard Readers (PCR) enabling remote strong two factor in a.o. internet banking, e-commerce, telephone banking and corporate network access. - Meet all interoperability, safety and usage requirements. - Multi application (EMV CAP, DPA, ...) - Identification, Signature and Transaction Data Signing functionalities - Battery powered 			<p>Digipass 850 > Connectable trusted Personal Chipcard Reader (PCR). Ideal for PKI environment, e-Government (eID compliant), e-Commerce, and e-Banking applications. In unconnected mode provides same functionalities as described for the Digipass 800. Can also be used in connected mode.</p>	<p>Digipass 860 > Digipass 860 combines the features of Go1, Go 3 and Go 5 range with a PKI compliant USB token. The 860 is equipped with embedded Crypto Service Provider (CSP) and crypto functions for PKI authentication and offers total mobility thanks to its driverless feature.</p>	<p>Digipass 900 > The Digipass 900 Secure Chipcard Terminal is a PC-peripheral that offers a high level of security through the combination of a trusted user interface, trusted chipcard access and trusted embedded terminal applications. Ideal to be used for digital signature, payment and electronic ID applications. The terminal is perfectly suited for usage in a Public Key Infrastructure (PKI) environment.</p>

VACMAN

Authentication Server

The VACMAN product suite facilitates the integration of Digipass strong authentication into security-critical applications.

VACMAN Controller for Digipass & EMV-CAP

VACMAN Controller is a toolkit that enables the validation of Digipass and/or EMV-CAP One-Time Passwords and e-Signatures regardless of your preferred communication protocol, database management, Operating System or graphical user interface. VACMAN Controller enables your application to implement the virtual token functionality. In order to guarantee the integrity and privacy of the security keys, the VACMAN Controller can be combined with a wide range of hardware security modules.

VACMAN Middleware

VACMAN Middleware provides Digipass strong authentication for corporate network access. VACMAN Middleware also offers Virtual Digipass feature as a backup or primary strong authentication method via SMS or pager. It is designed for a quick and easy installation into your network infrastructure.

AUTHENTICATION SERVICES

Flexibility in customization, scalability & deployment

VASCO provides a complete fulfillment service and customization for large deployments:

- > Initialization and activation
- > Custom logos and colors
- > Scalability & deployment services

> VASCO offers customization services:

- platform and OS integration
- adaptation to EMV standard and smart card
- custom form factor development
- multiple language support

> VASCO provides integration assistance and support services