

DOCUMENT* PRESENTED
BY WICK HILL

access
access
management
management
performance
performance
security
security

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DIGIPASS BY VASCO

Secure your business

Use **DIGIPASS®** two-factor authentication

STRONG STATIC PASSWORDS



ONE-TIME PASSWORDS



PUBLIC KEY INFRASTRUCTURE



Be smart and use **DIGIPASS®** two-factor authentication!

“My password is... password.”
representative for 12% of users

“I always use the name of my wife as my password.”
35% of people use a piece of personal information as password

“My password is f1\$cd5k+wrote it down on a Post-it® note.”
30% of users write down their passwords and hide it around their desktop

VASCO addresses the security gap caused by using insecure static passwords for the authentication of users.

Strong authentication refers to systems that require multiple factors for authentication and uses advanced technology to verify a user's identity.

A physical device like a DIGIPASS or a DIGIPASS smart card in combination with something you know like a PIN code or something you are (like a fingerprint), enables you to safely identify customers and employees who are trying to access your network resources. VASCO's advanced authentication technologies are virtually impossible to hack or break.

DIGIPASS® pack



A DIGIPASS pack consists of all the necessary DIGIPASS hardware and VASCO software to provide you with a complete and secure strong authentication solution for a range of technology partners. The DIGIPASS pack provides two-factor strong authentication for remote access, web-based applications, local area network access, and exists for a wide range of VASCO Ready Solution Partners (please refer to the global technology partner table in this brochure).

DIGIPASS easy pack for webmail (OWA)

DIGIPASS easy pack for webmail (OWA) comes in a box containing 10 pieces of DIGIPASS GO 3 one time password tokens, a software installation CD for DIGIPASS pack for OWA, a CD containing the necessary DPX-files, and respective product documentation like Quick Installation Guide and User Manual.

DIGIPASS smart pack

DIGIPASS smart pack replaces the single-factor login sequence of user name and password, with a proven security technology: strong two-factor authentication based on Smart Cards. **DIGIPASS smart pack** is based on the DIGIPASS Authentication Suite and comes with smart cards and smart card readers. The DIGIPASS Authentication Suite is a software system installed on the client PC or on the Citrix® application server to support all necessary authentication processes in a highly secure way.

Technology partners supporting DIGIPASS® pack

Technology Partners	Access Type			Integration Type		Digipass					Documentation		
	Remote Access (Radius)	Web	LAN	Middleware	Integrated or Plug-in	for JAVA/PHONE	Go 3	DP 260	DP 860	DP 905	Integration guide	Whitepaper	Compatibility sheet
Digipass Pack or Plug-In for													
ARRAY NETWORKS	√			√	√ ₅	√	√	√	√	√	√		√
AVAYA	√			√	√ ₅	√	√	√	√	√	√		√
AXSGUARD	√	√			√ ₂	√	√	√	√	√	√		√
BLUECOAT	√			√	√ ₅	√	√	√	√	√	√		√
CELESTIX	√			√	√ ₅	√	√	√	√	√	√		√
CHECKPOINT	√	√		√	√ ₅	√	√	√	√	√	√		√
CISCO	√	√		√	√ ₅	√	√	√ ₁	√	√	√		√
CITRIX		√		√	√ ₅	√	√	√	√	√	√		√
COMPUTER ASSOCIATES/NETEGRITY/SITEMINDER		√			√ ₂	√	√	√	√	√			√
CYBER ARK				√	√ ₅	√	√	√	√	√	√		√
CYBERGUARD	√	√		√	√ ₅	√	√	√	√	√			√
EVIDIAN		√		√	√ ₅	√	√	√	√	√			√
F5	√	√		√	√ ₅	√	√	√	√	√	√		√
FUNK STEEL BELTED RADIUS	√			√	√	√	√	√	√	√	√		√
HP Baltimore Open View Select Access		√		√	√ ₅	√	√	√	√	√	√		√
IBM LOTUS DOMINO		√			√ ₂	√	√	√	√	√	√		√
IBM RACF		√	√		√ ₂	√	√	√	√	√	√		√
IBM TIVOLI ACCESS MANAGER		√			√ ₂	√	√	√	√	√			√
IMPRIVATA ENA			√	√	√ ₂ /√ ₅	√	√	√	√	√	√		√
IMPRIVATA SSO	√			√	√ ₂ /√ ₅	√	√	√	√	√	√		√
JUNIPER/NETSCREEN	√	√		√	√ ₅	√	√	√	√	√	√		√
LUCENT NAVIS RADIUS	√			√	√ ₅	√	√	√	√	√	√		√
MICROSOFT IAS	√			√	√ ₅	√	√	√	√	√	√		√
MICROSOFT ISA	√	√		√	√ ₅	√	√	√	√	√	√		√
MICROSOFT OWA		√		√	√ ₅	√	√	√	√	√	√		√
MOBILITY GUARD	√	√		√	√ ₅	√	√	√ ₁	√	√			√
NETASQ	√			√	√ ₅	√	√	√ ₁	√	√	√		√
NETILLA/AEP	√	√		√	√ ₂ /√ ₅	√	√	√	√	√	√		√
NOMADIX		√		√	√ ₅	√	√	√	√	√	√		
NORTEL	√	√		√	√ ₅	√	√	√	√	√	√		√
NOVELL LINUX ENTERPRISE	√	√	√	√	√ ₂ /√ ₅	√	√	√	√	√	√		√
NOVELL NMAS/iChain/BorderManager	√	√	√	√	√ ₂ /√ ₅	√	√	√	√	√	√	√	√
OTHER RADIUS	√			√	√ ₅	√	√	√	√	√	√		
PASSGO	√	√			√ ₂	√	√ ₃	√	√	√			√
RADIATOR	√			√	√ ₂	√	√	√	√	√			
REGULAR WEB CONTENT		√		√		√	√	√	√	√			
SAFEBOOT									√				
SAFENET	√	√		√	√ ₅	√	√	√ ₁	√	√	√		√
SMART PACK FOR WINDOWS/CITRIX		√	√						√	√	√		√
SONICWALL	√	√		√	√ ₅	√	√	√	√	√	√		√
STONESOFT	√	√		√	√ ₅	√	√	√	√	√			
SYMANTEC RAPTOR	√	√		√	√ ₅	√	√	√	√	√	√		
WATCHGUARD	√	√		√	√ ₅	√	√	√	√	√	√		√
WHALE COMMUNICATIONS	√	√		√	√ ₅	√	√	√	√	√			

√ 1 Response only
 √ 2 Included with Partner product
 √ 3 No Static Password on host
 √ 4 Third Party Solution
 √ 5 Vasco plug in







√_x/√_x = multiple choices possible

Client Side: DIGIPASS® family

The DIGIPASS family products support three major authentication technologies:

- > Using One-Time Passwords (OTP) provided by DIGIPASS
- > Using Strong Static Passwords (SSP) securely stored on DIGIPASS smart cards or DIGIPASS® authenticators.
- > Using Public Key Infrastructure (PKI) to reliably sign and encrypt documents, e-mails, and logon requests.

All these DIGIPASS® products can be combined and serve as back-ups to each other. Select and configure them to your specific security needs:

		BATTERY (YEARS)	WEIGHT (GRAMS)	APPLICATIONS	PIN PAD
	<p>DIGIPASS® Go 3, Go 6 DIGIPASS® Go range are very compact authentication devices. They feature a high contrast LCD display and a single button. One push on the button and the DIGIPASS® shows a unique one-time password on its display.</p> <ul style="list-style-type: none"> - cost-effective DIGIPASS®, single button manipulation and compact format - a normal battery lifetime of 5 years and beyond offers a very high return of investment - server side PIN verification possible - Go 3 is OATH compliant 	5	10	OTP TIME EVENT	NO
	<p>DIGIPASS® 260 The Personal Identification Number (PIN) code is entered into DIGIPASS® 260 which then calculates a dynamic password. This one-time password enables authorized access into the network.</p> <ul style="list-style-type: none"> - most cost-effective PIN-protected DIGIPASS® - customizable to your specific applications (PIN length, number of PIN trials, type of cryptographic algorithm) 	7	28	OTP TIME EVENT CHAL	YES
	<p>DIGIPASS® 860 Two Strong Authentication Technologies in one Device. DP 860 is a universal authentication device for Public Key Infrastructure (PKI) and One-Time Password Authentication. DP 860 provides logon to your operating system, authenticate to your WebMail, electronically sign and encrypt your E-mails and documents.</p>	5	28	SSP OTP TIME EVENT	NO
	<p>DIGIPASS® for javaphone DIGIPASS® for Java Phone allows users to safely connect to remote networks, e-commerce, and e-banking applications directly using their cellular phone as a DIGIPASS®. The DP for Java Phone integrates perfectly with any existing VASCO product, without the need for any changes in your existing infrastructure. DIGIPASS® for Java Phone is offered in three different versions to fit all specific needs.</p>	NA	NA	OTP	NO
	<p>Virtual DIGIPASS® (VDP) Virtual DIGIPASS® allows users to benefit from strong authentication when they forget/lose their hardware DIGIPASS®. VDP allows users to receive their one-time password as a text message on their portable device (e.g. mobile phone). This is the ideal secure backup solution.</p>	NA	NA	OTP	NO
	<p>DIGIPASS® 905 DIGIPASS® 905 is a transparent easy-to-install and easy-to-use PC/SC compliant smart card reader/writer. It is connected to your PC via the USB interface. Its modern and robust design is targeted to be used in workshop, office, and home environments. The mechanical components are designed to last more than 10,000 card insertions.</p> <p>The DP905 is suitable for a wide range of applications, such as electronic banking, internet security, network security, loyalty and PKI secured applications.</p>	USB	64 Holder: 224	SSP	NO

Server Side: **VACMAN**[®] Middleware

The **VACMAN** family of integrated software products enables the **DIGIPASS**[®] products to actually authenticate their users. The main objective of the **VACMAN** Middleware is to verify the provided One-Time Password and signatures and confirm access to the web server or the **RADIUS** environment. There are also provisioning, backup and user management tasks the **VACMAN** family products have to accomplish.

VACMAN[®] Middleware

VACMAN[®] Middleware is an out-of-the-box central authentication software that enforces Digipass strong authentication for your network access security.

VACMAN[®] Middleware secures remote access and web applications. It is the perfect solution to secure small and medium size enterprises.

Key features and benefits:

- Microsoft Management Console Administration (MMC)
- Integration with Microsoft Active Directory or ODBC repository
- Online Audit Console
- User web-based self-management
- Built-in deployment features such as self-assignment and bulk operations reduce Total Cost of Ownership (TCO)
- Support for the complete range of DIGIPASS tokens
- Support for Virtual DIGIPASS (SMS)

Integrated Solutions

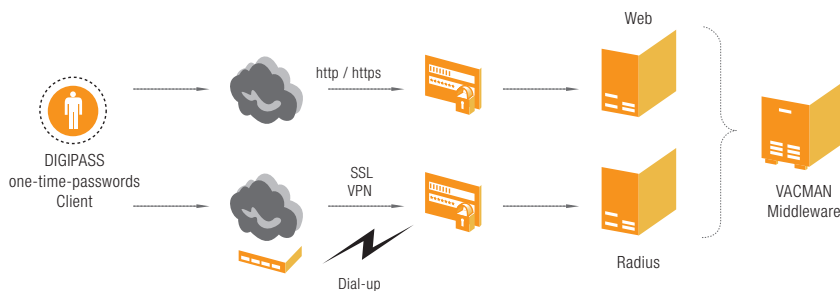
VASCO offers a range of fully integrated solutions for RACF, Novell NMAS, Lotus Domino, Novell, Linux enterprise, Imprivata, Radiator and Funk. No additional server is needed. Native integration drastically reduces the cost and complexity of deploying two-factor authentication solutions.

The plug-in inherits all the native features of your existing system or application (scalability, load-balancing, delegated administration ...).

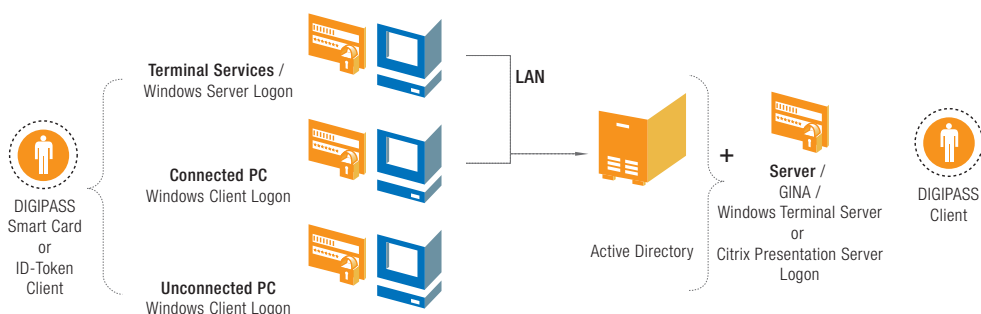
aXs GUARD

aXs GUARD is a comprehensive but modular Internet communication solution that addresses the unique security needs of small and medium-sized offices, by combining all essential network security, authentication functions and Internet services in a single, pro-active, easy-to manage appliance.

Access type: Remote Access Radius + WEB



Access type: Local Area Network (LAN)



VASCO

VASCO designs, develops and supports patented “Strong User Authentication” products for secure network access, e-business and e-commerce.

VASCO's user authentication technology is carried by the end-user on its DIGIPASS products which exist in hard & software format. 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 e-signatures and a “one-time” password that changes with every use, and is virtually impossible to hack or break. With tens of million of DIGIPASS products sold, VASCO has established itself as a world leader in strong authentication for e-banking and for network access for blue-chip corporations and governments worldwide.

Where to buy?

VASCO DIGIPASS and VACMAN products are available through any of our Authorized Channel Partners. All VASCO Partners work to address the security challenges of today: the integrity of online identities and the secure protection of information. Visit www.vasco.com to locate your nearest reseller.

Place stamp here

www.vasco.com

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