

# DIGIPASS KEY 1

## PKI USB device for strong authentication, digital signatures and data protection

DIGIPASS KEY 1 (DP KEY 1) is an ultraportable solution for strong authentication, secure access and safe transactions. The USB interface eliminates the need to install readers at the client side. Enjoy the benefits of a smart card reader without the expense of additional hardware.

### ONBOARD KEY PAIR GENERATION

The chip embedded in the DP KEY 1 is a highly secure data container. The user's private and public keys are generated on the chip the first time a user requests a certificate. The private key is stored on the chip and can never be exported, making the DP KEY 1 one of the most secure data containers in the world. Non-repudiation of transactions can now be guaranteed.

### USAGE

A list of options is displayed in a user friendly GUI design with a Windows Explorer look and feel. The user simply selects the requested action and enters a PIN to secure the desktop, authorize a transaction or sign a document.

### SUITABLE FOR SEVERAL MARKETS

DP KEY 1 has been developed to meet the growing security needs of medium & large corporations, governments and banks. The USB device fits every computer and requires no hardware installation. Large scale deployment can be handled efficiently and economically due to its lightweight, compact size.

### FUNCTIONALITIES

Responding to the security demands of diverse market segments is one of VASCO's objectives. Strong two-factor authentication for secure web login, Windows PKI desktop login, e-signatures, e-mail encryption and secure VPN access are features of the DP KEY 1 and DP CertiID 3.1 software combination. This solution is ideal for identity management, banking and e-government transactions and complies with European legal recommendations.

### FEATURES & BENEFITS

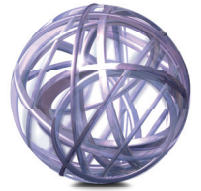
- DP KEY 1 has been designed for cost-efficient mass deployment. Its convenient size qualifies for standard postal rates.
- The advantages of the smart card without the cost of the readers
- Flexibility to access multiple PCs quickly with one USB device for authentication and network access; multiple users can also share one PC with an available USB port
- DP KEY 1 has a specific contactless connection for personalization of the units in mass production. Java applets, user information and more can be uploaded via a simple interface.



**IdenTrust**<sup>™</sup>  
COMPLIANT

**Entrust**<sup>®</sup> Ready




**COMPLIANCE TO STANDARDS**

Smart card	ISO 7816 3 –4
Java card	Open Platform 2.1.1 , java card 2.1 & 2.2
EEprom	64 k EEPROM
Public Key Mechanisms	512-, 768-, 1024-bit and 2048-bit RSA, X509 v3 certificates. On board RSA key generation
Public Key Cryptography (PKI)	Microsoft CAPI 2.0, SSL, S/MIME, IPSec/IKE. Microsoft Cypto Next Generation and Key Storage Provider (KSP) and minidriver architecture. PKCS#11 v2.2, PKCS#1,7,8,10 and 12 PKCS#15
Certification	Smart card: Common criteria EAL4+ and compliant up Protection profile SSCD Smart card: FIPS 140-2 level 3 Entrust Ready IdenTrust compliant Windows Vista smart card minidriver
Storage temperature	-10 °C to 50 °C; 90 % RH non-condensing IEC 60068-2-78 (Damp heat) IEC 60068-2-1 (Cold)
Operating temperature	0 °C to 45 °C; 85 % RH non-condensing IEC 60068-2-78 (Damp heat) IEC 60068-2-1 (Cold)
Vibration	10 to 75 Hz; 10 m/s <sup>2</sup> IEC 60068-2-6
Drop	1 meter IEC 60068-2-31
Emission	EN 55022, FCC CFR47 part 15
Immunity	4 kV contact discharges 8 kV air discharges 3 V/m from 80 to 1000 MHz EN 61000-4-2 and EN 61000-4-3
Compliance to European directives (CE marking)	2004/108/EC (EMC directives) 2002/95/EC (RoHS directive) 2002/96/EC (WEEE directive)

**TECHNICAL SPECIFICATIONS**

Size (HxWxL)	43.9 x 16.1 x 4.3 mm
Color	White/black
Product Identification	10-digit serial number
Weight	3 g
USB	1.1

**SYSTEM REQUIREMENTS**

Operating System	Microsoft Windows 2000/XP (32 bits) Microsoft Windows Vista (32/64bits) Microsoft Windows 7.0 or Windows 2003/2008 Server
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**About VASCO**

VASCO designs, develops, markets and supports patented DIGIPASS®, DIGIPASS PLUS®, VACMAN®, IDENTIKEY® and aXs GUARD® authentication products for the financial world, remote access, e-business and e-commerce.

With tens of millions of products sold, VASCO has established itself as the world leader in Strong User Authentication for e-Banking and Enterprise Security for blue-chip corporations and governments worldwide.

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