



# DIGIPASS<sup>®</sup> 875 Smart card Reader for Mobile Devices

**Bluetooth<sup>®</sup> Smart-enabled smart card reader for smartphones and tablets delivers powerful and portable mobile transaction protection**

Today, more and more users are turning to their smartphones and tablets to conduct online transactions, including e-banking. This delivers the ultimate in user convenience, but unfortunately, also provides a new attack vector for hackers and new avenues for fraud. Sophisticated attacks, such as man-in-the-middle and man-in-the-browser, mimic legitimate e-transaction sessions, while capturing card data or other sensitive information. By combining a secure smart card reader with DIGIPASS for Apps, VASCO now delivers powerful, portable and flexible two-factor authentication and digital signing, providing enhanced protection for any mobile transaction.

## COMPREHENSIVE PLATFORM SUPPORT

VASCO DIGIPASS 875 is a perfectly portable, Bluetooth Smart-enabled smart card reader solution for the mobile user. When connected to any mobile device, the DIGIPASS 875 functions as a sophisticated and secure PIN pad reader for two-factor authentication and digital signing, offering secure PIN entry features and intuitive “what you see is what you sign” user functionality. DIGIPASS 875 supports multiple smart card formats, including EMV, PKI or eID, and supports smartphones and tablets across multiple mobile platforms, including iOS, Android, MAC OS X, and Windows. DIGIPASS 875 can also operate in connected (Bluetooth or USB) or unconnected modes, with the Bluetooth connection based on the new standard 4.0 Low Energy.

## SIMPLE DEPLOYMENT, INSTALLATION AND USE

Bluetooth-enabled mobile or tablet devices need to be paired with the DIGIPASS 875 before they can securely exchange information. VASCO makes this simple for the user by requiring one action upon first use to exchange protected pairing codes. This improves user acceptance and ensures that only authorized wireless devices can connect with the DIGIPASS 875. DIGIPASS 875 uses a standard driver that is compatible with all popular operating systems, including Windows, Linux and MacOS. Leveraging the available CCID driver, DIGIPASS 875 does not require the installation of a separate driver on most of the popular PC platforms.

## PURPOSE-BUILT FOR HIGH VALUE ENVIRONMENTS

DIGIPASS 875 is perfectly suited for environments with high security requirements including PKI/digital signatures, secure PIN verification, corporate network access, two-factor authentication (internet banking), and e-commerce transactions. DIGIPASS 875 can also be delivered with a wide variety of applications including MasterCard CAP, Visa Dynamic Passcode Authentication, Sm@rt TAN, and other domestic and proprietary schemes.

## DIGIPASS 875 DEPLOYMENT OPTIONS

PKI, e-wallet or e-banking applications can be exposed to Trojans or key loggers if they rely simply on static PIN entry for smart card transactions, making static PIN entry unacceptable from a security point of view. DIGIPASS 875 addresses the security demands required for mobile transactions by delivering additional security guarantees on both sides of every transaction. With a Bluetooth connection, encryption features and a passkey, DIGIPASS 875 improves security of the data, and further enhances the level of protection with a dedicated secured channel.

## CONNECTED MODE (BLUETOOTH AND USB)

DIGIPASS 875 supports secure pairing methods for iOS, Android, Windows 8 and Blackberry and can communicate with multiple hosts. DIGIPASS 875 provides the secure advantage of entering the PIN directly at the reader, and the PIN is never available on the device.





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### UNCONNECTED MODE

When used in unconnected stand-alone mode, DIGIPASS 875 offers the same functionality as other DIGIPASS unconnected smart card readers, including two-factor authentication and e-signatures. Without the smart card, DIGIPASS 875 supports two-factor authentication with one-time passwords, and additionally transaction integrity with electronic signatures.

### ON DEMAND FIRMWARE UPDATES

As an option, the DIGIPASS 875 supports firmware updates on demand. The DIGIPASS 875 firmware and application can be updated by issuer at any time, even after the card reader has been issued to the user, by making use of proven and standard cryptographic mechanisms.

### PRODUCT SPECIFICATIONS

VASCO Class 4 reader	Connectable PIN pad reader with display
User interface	102 * 46 full dot matrix display Up to 6 lines, 120 characters
Smart Card interface	ISO7816, T=0, T=1 Frequency up to 4 Mhz Supports ISO 7816 Class A and B smart cards (in option) 10 000 smart card insertions Embossed smart card supported
Size	102 * 61,7 * 13 mm
Weight	<80 g.
Keypad	Tactile keypad with silicon rubber key printed with an epoxy layer. Resistant to over 100,000 rubbings. 10 numeric keys and 6 function keys
Bluetooth	Standard 4.0 LE (Low Energy) Pairing methods: direct and reverse Multiple Host handling: Up to 10 Hosts with automatic selection Power distance: -18dBm to 0dBm in option Gatt profile and Service implementation Standard Service: Battery, Device Info, DK TAN Proprietary Service: Friendly Name, Card status notification
Replaceable Battery	2 replaceable batteries Expected lifetime 5 years <sup>(1)</sup>
Power supply in connected mode	Only in USB connected mode, in BLE connected mode power from batteries

Cable	1m long USB Detachable cable with type A connector
Operating systems	Bluetooth 4.0 LE <sup>(2)</sup> : iOS 7+, Android 4.3+, Windows Phone 8, BB10, OS X 10.8, Windows 8 USB: Vista, Windows 7, Windows 8, Windows server, Linux, Mac OS 10.6 and above
DIGIPASS algorithm	DIGIPASS Time based OTP (AES) <sup>(3)</sup> DIGIPASS e-signature (AES)
Standards	Mastercard CAP (2004, 2007) VISA dynamic passcode authentication version 1.1 Banksys Unconnected reader specification (BKS M.010 version 1.3) German Sm@rt TAN and Girocard <sup>(4)</sup> Belgian eID card EMV2000 LEVEL 1 USB 2.0 Full speed PC/SC 2.01 CCID
Logo Customization	Bank's logo can be printed on the reader. Color of the casing can also be customized.

### COMPLIANCE SPECIFICATIONS

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 60068-2-32
Emission	EN 55022
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)

<sup>1</sup> Depending on the smartcard used and the transaction

<sup>2</sup> Contact VASCO for support availability date for different SDKs

<sup>3</sup> Hardware option on demand

<sup>4</sup> Contact VASCO for support availability date

## About VASCO

VASCO is the world leader in providing two-factor authentication and digital signature solutions to financial institutions. More than half of the Top 100 global banks rely on VASCO solutions to enhance security, protect mobile applications, and meet regulatory requirements. VASCO also secures access to data and applications in the cloud, and provides tools for application developers to easily integrate security functions into their web-based and mobile applications. VASCO enables more than 10,000 customers in 100 countries to secure access, manage identities, verify transactions, and protect assets across financial, enterprise, E-commerce, government and healthcare markets. Learn more about VASCO at [vasco.com](http://vasco.com) and on Twitter, LinkedIn and Facebook.

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