

DIGIPASS 835

The most popular Smart Card Reader is now more convenient & secure thanks to the new optical interface

The DIGIPASS 835 (DP 835) combines all VASCO smart card reader functions including e-signature with EMV-CAP compliance. The DP 835 reduces the level of user interaction for authentication, resulting in increased user acceptance for e-signature in high-risk internet banking transactions.

OPTICAL INTERFACE FOR A TRUSTED ENVIRONMENT

Since all transaction data are displayed in a trusted environment and approved (with a mandatory "OK" key press) by the end-user, the DP 835 offers a solution against new coming threats such as so-called man-in-the-PC and man-in-the-browser based frauds.

The optical interface is a feature that automatically downloads encrypted data from the PC display into the DP 835.

This feature increases the end-user acceptance dramatically since a data transfer is completed within 4 seconds.

The interface does not require any software or driver as the communication is established through a flashing pattern on the user's PC and the DP 835 photo-transistors.

Customizable positioning icons on the DP 835 overlay enable the compatibility of the optical interface with any screen size and resolution.

FACTORY TO FIELD

As the DP 835 is platform-independent and does not require personalization prior to customer delivery, each reader is identical. Therefore production and distribution are very cost-effective.



The DP 835 initializes itself and becomes unique the moment a user inserts his smart card and enters his PIN.

When the card is removed from the DP 835, all secrets are permanently erased.

EASY TO USE

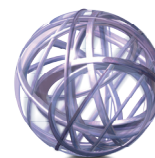
1. Cardholders simply insert their standard EMV chip card into the DP 835, and type their PIN for two-factor authentication (something they know, something they have).
2. Each time a user enters his PIN, a One-Time Password (OTP) is generated and displayed.
3. The user can type this dynamic, secure password to become authenticated over the bank's network. This dynamic password cannot be used more than once and can only be verified by the issuing bank.

The verification of the OTP or e-signature demonstrates cardholder's identity and allows access to the network from any terminal, on any platform.

The DP 835 can be used in conjunction with VASCO's VACMAN Controller authentication platform. For payments, the DP 835 can also be integrated into the 3D-Secure architecture and allows the cardholder to sign some key data of the transaction.

LOW COST OF OWNERSHIP

- Retail banks can make a smooth and cost effective transition when implementing strong authentication
- The existing investment in the EMV infrastructure will be leveraged
- No extra personalization required by the network owner which results in efficient high volume delivery
- Not necessary to issue new smart cards
- Security of a smart card, the flexibility of a token and the convenience of an optical interface
- Instantly personalized upon first use
- Substantial reduction in volume of helpdesk calls


PHYSICAL FEATURES

VASCO DP 835 reader	Standalone PIN pad reader
Display	High contrast, 12 character, 2-line LCD (1 line 60x7 dot matrix line and 1 line of 7-segment characters) Optional: 80 x 16 dot matrix display (DP835A)
Optical Interface	5 photo transistors 20 fps 45° tilt angle
Size	85.8 mm (l), 63 mm (w), 14.8 mm (h)
Weight	65 gram
Keypad	Tactile keypad with silicon rubber key printed with an epoxy layer. Resistant to over 100,000 rubbings. 10 numeric keys, 6 function keys
Battery Lifetime	5-year lifetime (dual 2430 battery cell)
Standards	Mastercard CAP (2004, 2007) VISA dynamic passcode authentication version 1.1 German Sm@rt TAN Belgian eID Card Banksys Unconnected reader specification (BKS M.010 version 1.3)
Logo	Bank's logo can be printed on the reader. Color of the casing can also be customized

COMPLIANCE

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 ²	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 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)

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.

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