

# DIGIPASS 865

## VASCO reader with advanced display for a better user experience and improved security

The DIGIPASS 865 (DP 865) is the USB connectable version of the trusted DP 810 Personal Card Reader. The device can be used in both connected and unconnected mode of operation. The DP 865 has a sophisticated user interface, comprising a 20-key keypad and an 8-line display. When connected to the PC, the DP 865 functions as a sophisticated secure PIN pad reader offering secure PIN entry features and “what you see is what you sign” functionality. All data to be signed is visually presented on the DP 865 display for confirmation by the cardholder.

When used in unconnected stand-alone mode, the DP 865 offers the same functionality as other DIGIPASS unconnected smart card readers, including strong authentication and e-signatures. The DP 865 is perfectly suited for environments with high security requirements including PKI/digital signatures, secure PIN verification, corporate network access, strong authentication (internet banking), e-commerce transactions, etc.

The DP 865 can be delivered with a wide variety of applications including MasterCard CAP E, Visa Dynamic Passcode Authentication (DPA) and various domestic and proprietary schemes. The reader leverages the inherent security of chip cards to store secrets with cryptographic calculations for maximum efficiency.

### PROTECTING SMART CARD PIN

An alarming number of applications continue to use smart cards that are inadequately protected with static PINs. Applications such as PKI, e-wallet or e-banking applications are exposed to Trojans or key loggers if they rely simply on static PIN entry on the PC keyboard for smart card transactions. The current vulnerability of the PC platform in the Internet environment makes this form of PIN entry totally unacceptable

from a security point of view. DP 865 provides the secure advantage of entering the pin directly at the reader and not on the computer keyboard. Therefore, the PIN is never available on the PC platform. Similarly, smart card PIN changes can be securely performed using the DP 865 keyboard.

### SEE IT BEFORE YOU SIGN IT

DP 865 8-line display sets a new standard for e-signature and allows extended data field validation. The user can validate significant key data on his DP 865 display before he signs the transaction, which provides an additional level of security for electronic transactions in unsecure channels.

### A COST EFFECTIVE SOLUTION

The intrinsic security of the smart card is combined with the flexibility of a reader to maximize your investment. Additionally, DP 865 requires no extra personalization by the network owner and can be delivered very efficiently in volume. Security infrastructure costs are reduced due to the decreased number of helpdesk calls. DP 865 reader can help banks transition to strong authentication for retail banking cost effectively by leveraging their existing investment in EMV infrastructure.

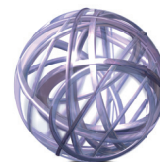
### A BACKWARD COMPATIBLE SOLUTION

The DP 865 reader can still behave as a transparent smart card reader for older applications that do not require the extra security features of the DP 865. This provides a migration path to upgrade existing customer groups from a dated insecure system to a new advanced security system (PIN entry on the reader).

### EASY DEPLOYMENT, INSTALLATION AND USE

DP 865 is based on a CCID driver compliant with all popular operating systems such as Windows, Linux and MacOS. DP 865 supports PC/SC version 2 PIN entry. DP 865 applications used in connected mode can be securely and remotely downloaded into the reader. The DP 865 is USB powered when connected to a PC.




**TECHNICAL SPECIFICATIONS & FEATURES**

VASCO Class 4 reader	Connectable PIN pad reader with display
Display	High contrast, 128*64 dot matrix Up to 8 lines of min. 21 characters
Size	129 x 63 x 15 mm
Weight	109 g (batteries included)
Keypad	Tactile keypad with silicon rubber key printed with an epoxy layer. Resistant to over 100,000 rubbings. 10 numeric keys, 10 function keys
Battery	2 Replaceable AAA batteries
Standards	Mastercard CAP (2004, 2007) Advanced Authentication for chip (CAP E, PLA) CAP User interface specification- UK implementation (APACS) VISA dynamic passcode authentication version 1.1 German Sm@rt TAN Belgian eID Card Banksys Unconnected reader specification (BKS M.010 version 1.3) Iso 7816 USB 2.0 PC/SC 2.01
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 <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 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.

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