

# DIGIPASS™ 500

## *Simple transaction security for remote banking*

VASCO's Digipass™ 500 is a visually readable authentication code generator that provides secure customer or employee identification for access to computer systems.

Financial institutions need to identify customers who want to access their accounts for cash management activities. Private industries may wish to verify employee or customer identification before allowing access to the company's database. The Digipass™ 500 meets the demand for these – and other - vital identification requirements.



Digipass™ 500

Digipass™ 500 is programmed with a unique set of secrets used with the DES algorithm; the sequence of dynamic passwords generated is completely unpredictable and different for each device.

### **Easy to Use**

The Digipass™ 500's security is based on two-factor authentication.

- Something the user possesses (the Digipass™ itself).
- Something the user knows (a memorized password that is entered into the Digipass™, but is never transmitted to the host computer).

The Digipass™ 500 generates one-time passwords using the Data Encryption Standard (DES) algorithm, with time as an input value. No two Digipass™ 500s can generate the same password for the same time of day. Each

### **Easy to Integrate**

The Digipass™ 500 is very well suited to large public banking applications such as tele-banking, home banking, PC banking, phone banking and Internet banking. It offers data authentication thanks to a Message Authentication Code (MAC), produced on the basis of the transaction data, which the user enters, e.g. the payee's account number, the date and amount of the transaction, or it can be based on the result of file hashing.

Since it requires no external reader, the Digipass™ 500 can be used wherever and whenever the bank customer wants. The Digipass™ 500 is compatible with VACMAN Radius Server®, VASCO's solution for authentication, authorization and accounting.



## Key Features

- **USER AUTHENTICATION.**  
To initiate a transaction, the user enters his Personal Identification Number (PIN) on the Digipass™ 500 keypad. The Digipass™ 500 then generates a time dependent identification code, which is sent by the user to the host server for validation.
- **HOST SERVER IDENTIFICATION.**  
After dynamic code validation, the host server returns a host verification code which is checked by the Digipass™ 500.
- **ELECTRONIC SIGNATURE.**  
The Digipass™ 500 can also generate a data authentication code related to unlimited series of numbers, to guarantee the integrity of transmitted data.
- **PIN REMINDER.**  
The Digipass™ 500 allows secure storage of various PINs (e.g. credit card PINs, etc.). A user-defined PIN protects access to this information.
- **MULTIMEDIA AND MULTI-APPLICATION.**  
The Digipass™ 500 does not require any external reader and can be used with any communication medium (telephone, modem, fax, videotex, LAN,...). To allow transactions with different servers or applications, the Digipass™ 500 can be personalized with several sets of secret parameters.

- **DIGILINK MODULE.**  
The Digilink uses an infrared interface to allow direct connection between a Digipass™ 500 and a PC, thus enabling automatic data exchange.
- **PERSONALIZATION.**  
Each Digipass™ 500 is personalized before use. Personalization consists of secret key definitions and option selections (code length, PIN length, PIN management, application number,...) and can be done using a Digilink.
- **RELIABLE SECURITY ALGORITHM.**  
The Digipass™ 500 code-generation is based on the DES (Data Encryption Standard).
- **TYPICAL APPLICATIONS.**  
Database access control, network security, cash management, phone banking, remote banking, tele-banking, etc.

## Physical Features

- Size : 85x55x8 mm
- Weight : 35 g
- Large display with one line of 12 digits
- Tactile keypad technology with silicon rubber key tops
- Main battery with an average lifetime of 5 years
- "Battery low" indication
- Backup battery

**Feel free to contact us for more information:**



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