



Todos A200

Todos A200 is one of several alternative smart card terminals within the Todos eCode authentication system for remote identification of end-users. The system consists of three parts; an application on a smart card or a SIM card, a smart card terminal, and a host system.

Todos eCode is a cost efficient, portable and secure authentication solution for eBanking, eCommerce, Online Shopping with 3-D Secure and Mobile Banking. Todos eCode is platform- and channel independent and provides the possibility to authenticate users via Internet, PSTN, mobile network or LAN.

Data can be entered via the Todos A200 keyboard for PIN protected One-Time Passwords (OTP), Signatures, Challenge/Response functionality and other services.

Implementing Todos **Secure Domain Separation** concept, the device is equipped with four function keys. The use of function keys increases awareness of what the customer is doing, and is also a way for the customer to express act-of-will when performing a transaction.

Todos A200 implements **Dynamic Signatures**. By identifying the risk level of each transaction, and introducing a more complex signing procedure for high risk transactions, the bank can make the customer more conscious of the risk involved. This procedure guarantees secure payments much like the customer is used to when making payments at the bank office.

Benefits

- No need for personalisation of the reader, as the secrets are kept in the smart card.
- Identical terminals, which do not require any security handling and therefore are easy to distribute.
- Portability: Todos Authenticator is small and portable - convenient to bring with you at all times.
- User friendly functionality.
- Future and backward compatible - the firmware of Todos eCode Authenticator is independent of changes in the EMV specifications or other smart card specifications.
- Multiple services can be performed with the same reader.
- Dynamic Signatures capability, increasing security when signing transactions.
- Separate function keys, enables Secure Domain Separation
- Large display allows long One-Time Passwords and Signatures.
- Fully compliant with industrial standards such as 3-D Secure CAP, MasterCard SecureCode CAP, VISA dynamic passcode authentication, APACS, German Sm@rt TAN and Taiwanese FISC II.

Technical specifications

- Dimensions: 86 x 54 x 9 mm
- Weight: 35 g
- 2x14 character LCD
- Built-in keyboard
- Lithium batteries CR2032, no mercury, no lead, no cadmium.

Compliance to standards

- ISO 7816
- MasterCard SecureCode 3-D Secure CAP
- VISA dynamic passcode authentication
- APACS
- Taiwanese FISC II OTP
- Proton Balance Reader

Certifications

- EMV level 2 (3-D Secure CAP)
- EMV level 1 (EMV 2000)
- CE



For further information about the Todos, the eCode system and our solutions, please contact us at info@todos.se.

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