

# eCode Reader

## Pocket-sized smart card reader for secure authentication

**Todos eCode Reader** 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 e-Banking, e-Commerce, Online Shopping with 3-D Secure, Mobile Banking and Micro Payment. Todos eCode is platform and channel independent and provides the possibility to authenticate users via Internet, PSTN, mobile network or LAN.

**These are some** of the various functions that can be performed with the Todos eCode Reader:

- CODE: One Time Password (OTP) for identification
- EPURSE: Display balance and transactions of an e-purse card
- Others, e.g. Loyalty scheme

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personalisation  
of the reader**



### **Benefits with Todos eCode Reader:**

- 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 eCode Reader is small and portable - convenient to bring with you at all times.
- User friendly functionality.
- Future and backward compatible - the firmware of Todos eCode Reader is independent of changes in the EMV specifications or other smart card specifications.

**For further information** about the Todos eCode Reader and the other components in the Todos eCode authentication system, please refer to the brochure "Todos eCode - the Concept" or contact our sales team for more detailed information.

### **Technical specifications**

- Dimensions: 67 x 28 x 12 mm
- Weight: 20 g
- 11 character LCD
- Two buttons
- Lithium batteries CR2016, no mercury, no lead, no cadmium

### **Compliance to standards**

- ISO 7816
- German Sm@rt TAN
- Taiwanese FISC II OTP

### **Certifications**

- EMV level 1 (EMV 2000)
- CE



Sm@rt TAN

EMV™ level 1

