



## Todos ezSign 300

Todos ezSign 300 is a compact and user friendly USB-token for PKI-applications. It invokes world-leading smart card chip technology and Todos extensive experience in the remote authentication and transaction security field. Todos ezSign 300 offers Sign-What-You-See (SWYS) and protects complex online banking transactions against security threats, including Man-in-the-Middle.

Todos ezSign 300 supports 1024 bit RSA key pairs. The key pair can be created in the chip and the private key can never be read nor exported. It can process transactions including digital signatures, signature verifying, encrypting and decrypting. The user can read the important transaction information displayed on the built-in LCD screen, and then confirm and sign the transaction by pressing the 'OK' button.

Security measures supported by PKI certificates are hereby improved to a new standard, standing in a leading position in the market. Besides the general application of hardware certificate, Todos ezSign 300 can also provide more protection for payment security in online banking and eCommerce. Todos ezSign 300 is the logical recommendation to customers of online transaction service providers.

### Benefits

- Small and portable
- Easy to use
- Account and amount can be displayed on the LCD screen
- Built-in touch-sensitive buttons; support page scrolling, confirm and cancel operations
- Powered by USB
- Private key can never be read nor exported, signing transaction is performed in the secure chip
- Support for RSA asymmetric encryption algorithm.
- Support for 1024 bits key pairs created in the chip, extendable to 2048 key bits key pairs
- Support for X.509 V3 certificate storage
- Support for SHA-1 algorithm, extendable to MD5 and Sha-256
- Standard API interface, for simplified customization
- Appearance and color can be customized
- Management utility S/W can be provided
- Support user PIN and administrator PIN authentication
- Security PIN Entry (optional)

### Supported standards

- ISO/IEC 7816-4 specification
- MS WHQL or Mass Storage
- MS CryptoAPI, PKCS#11
- USB 2.0 Full Speed

### Technical specifications

- Size: 76 x 47 x 7,5 mm
- Weight: 30 g
- Full numeric keypad
- Full speed USB 2.0 interface
- Working Voltage: 5V +/- 5%
- Mini USB cable as attachment
- 32K/64K EEPROM
- Time to create 1024 bit RSA key pair: 4.8 seconds
- Speed of digital signature generation: 6 transactions per second
- Random Number Generator (RNG) in hardware, FIPS-1402 compliant

### LCD specifications

For different market and cost flexibility, we provide 3 LCD solutions:

- ezSign 301: Graphic LCD with 24x24 dot matrix and backlit, 2 lines display, multi-language support including Chinese, Japanese etc
- ezSign 302: Graphic LCD with 16x16 dot matrix, 2 lines display multi-language support including Chinese, Japanese etc
- ezSign 303: Icons (amount and account text) and digits display

