



Why use the THETAKey T101:

ThothTrust's **THETAKey T101** delivers world's first secure smart card with embedded screen and keypad that can be easily reprogrammed by the customers using industry standard JavaCard technology while supporting multiple card applications.

The embedded screen and keypad allows end users to securely display sensitive information and to accept sensitive actions and data (i.e. card PIN and passwords) directly on the card while protecting the card from keyboard loggers and computer screen manipulations.

The THETAKey T101 also integrates an RTC clock to allow timing critical security applications to resist malicious time manipulations.

THETAKey T101 Features:

- Embedded Secure GUI Session.
- Embedded capacitive keypad.
- On-The-Fly 'Front Panel' management of security environment.
- Internal RTC clock.

Cryptographic Algorithms:

- AES
- DES
- RSA
- ECC (including SECP256K1)
- ChaCha20
- SHA (including HMAC)

Card Access and Interfaces:

- GlobalPlatform 2.2.1
- JavaCard 3.0.4
- JavaCard Shareable API interface
- APDU via ISO-7816/ISO-14443

Card Physical Characteristics:

- ISO-7810 ID-1 size
- ISO 7816 and ISO-14443
- 1.5 KB RAM and 175 KB Flash memory for multiple card applications
- Internal battery with standby time of 30 days and rechargeable over contact pad with ISO-7810 compliant smart card reader supporting 5-volts power supply.
- E-Ink screen with 256 x 256 pixels

Use Cases:

- Secure Email signing and encryption
- Cryptocurrency and Blockchain
- Electronic Identity Card
- One-Time PIN/Password generator
- 2nd Factor Token (i.e. FIDO/WebAuthn)
- Banking, Transit and Loyalty
- Bring-Your-Own-Token via ThothTrust KryptAttest

Security Certification:

- THD-89 security chip with CC EAL-5+ security certification

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Visit us at www.thothtrust.com

And contact us at sales@thothtrust.com for more information about our products and services.