

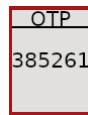
Why use the THETAKey T101

ThothTrust's **THETAKey T101** delivers world's first secure reprogrammable smart card with embedded Bluetooth, screen and keypad via the industry standard Oracle JavaCard technology.

THETAKey T101 Features



Make card payments hands-free and board the public transport without needing to tap your card.



Protect credentials & accounts with internal secure timestamp via OTP.



Display transaction messages & mitigate keyboard loggers with built-in E-Ink display and keypad.



Simplify transactions via QR codes that are securely generated within the smart card.



Lower development costs by building your applets in-house with the Open Source friendly API.

Cryptographic Algorithms:

- AES
- DES
- RSA (optional 4096-bit)
- ECC (including SECP256K1)
- ChaCha20
- MD5, SHA1 & SHA2 (including HMAC)

Card Access and Interfaces:

- GlobalPlatform 2.2.1
- JavaCard 3.0.4
- JavaCard Shareable API interface
- APDU via ISO-7816/ISO-14443
- Bluetooth LE 4.0

Card Physical Characteristics:

- ISO-7810 ID-1 size
- ISO-7816 and ISO-14443 Type A
- 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
- Embedded RTC Clock for timestamping

Use Cases:

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

Security Certification:

- THD-89 security chip with CC EAL-6+ security certification

Keep In Touch

Visit us at www.thothtrust.com

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