

# ZI Lib SDK Guide

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## System Requirements

- iOS device (iPhone or iPad)
- Lightning Port reader or Bluetooth reader from TDi/TDAi products.
- ZI Lib SDK files.
- NiOS Lib SDK files.
- MOU or permission from DOPA (Department Of Provincial Administration, Ministry of Interior).

## Usage

- Read normal Thai ID card data via NiOS Lib API commands.
- Read Laser ID, Chip ID and BP1 Number via ZI Lib API command.
- Check Thai ID card status via DOPA's web services (CheckCard By CID or CheckCard By Laser).

## ZI Lib API

**(SInt32)getSoftwareInfoZI:(NSObject \*)objNiOS : (NSMutableString \*)strInfo;**

- **Description:** Get library information.
- **Input parameters**
  - **objNiOS:** NiOS object
- **Output**
  - **strInfo:** ZI Library information.
- **Return Value:** 0 is successful, a negative number if error.

**(SInt32)getSTextZI:(NSObject \*)objNiOS : (NSMutableString \*)strIKey : (NSMutableString \*)strSText;**

- **Description:** Read special text from Thai ID card.
- **Input parameters**
  - **objNiOS:** NiOS object
  - **strIKey**, 5 digits of NID number for verifying.
    - digit 11, digit 12, digit 3, digit 4 and digit 5
    - Example: for NID Number = "12**345**67890**123**" then strIKey= "**12345**"
- **Output**
  - **strSText** = Special text: "LaserID#ChipID#BP1Number"
    - Example: "ME1234567890#0123456789abcdef#12345678901"
- **Return Value:** 0 is successful, a negative number if error

## ZI Teser Usage

- The ZI Tester is a sample source code for ZI Lib SDK testing.