

Fingerprint Software Development Kit (SDK)

PRODUCT CODE: ODIS-SDK-1 MAIN BOARD

DESCRIPTION

The ODIS Software Development Kit (SDK) is designed for the experienced software developer. When the SDK is connected to an ODIS fingerprint module, the developer can expand the capabilities of the module to include off-module template storage, connection to a PC, or connection to a LAN or other serial device, such as a time and attendance system. The possibilities are practically endless and are left to the developer. The SDK is available in two versions.

The ODIS-SDK-1 offers RS232 serial connectivity for ease of use with a PC or other serial device. The kit includes an ODIS Fingerprint Verification Module (FVM), an interface board with serial connection, and an external power adapter and cables, to allow you to connect to a PC, Mac, or other serial device.

The ODIS-SDK-2 is designed to allow the user to develop fully autonomous applications using an on-board, embedded ARM 7 processor. The ODIS-SDK-2 includes everything in the ODIS-SDK-1, plus an ARM 7 development system that fully integrates with the ODIS-SDK-1. Also included is an ARM 7 compiler complete with sample code and 30-day license.



FEATURES

- ❖ ODIS's proven and patent pending fingerprint matching module.
- ❖ Sample code to customize the functionality of the fingerprint module, which includes, but is not limited to:
 - ❖ Power module on
 - ❖ Power module off
 - ❖ Perform registration
 - ❖ Match against a given user template
 - ❖ Exchange templates between module and SDK
 - ❖ Change security level
 - ❖ Encrypted SDK to FVM communications available
 - ❖ Sample finger image
 - ❖ FVM pass/fail or finger present status
 - ❖ Template management
 - ❖ Cooperative or slave mode
- ❖ SDK can be used as a production board if desired.
- ❖ SDK comes with full schematics and BOM for easy modification to your own product. Gerber files are available upon request.

SPECIFICATIONS

- ❖ Power 250ma typical; wall adapter supplied.
- ❖ Serial, RS 232. RS 485 available.
- ❖ Includes simple LED programmable feedback. Or use ODIS's UI for registration, matching, fail, accept, and high security mode.
- ❖ Up to 248 user templates can be stored on the Fingerprint module.
- ❖ Timing — Send template over the serial interface and match time is under 1 second.

OPTIONS

- ❖ ODIS can provide full turnkey manufacturing of any device in its low cost off-shore facilities. *Please inquire for pricing.*