

Quick Start Guide A1006 Demo-Dev Kits



Quick Start Guide

GET TO KNOW THE A1006 DEMO-DEV KITS

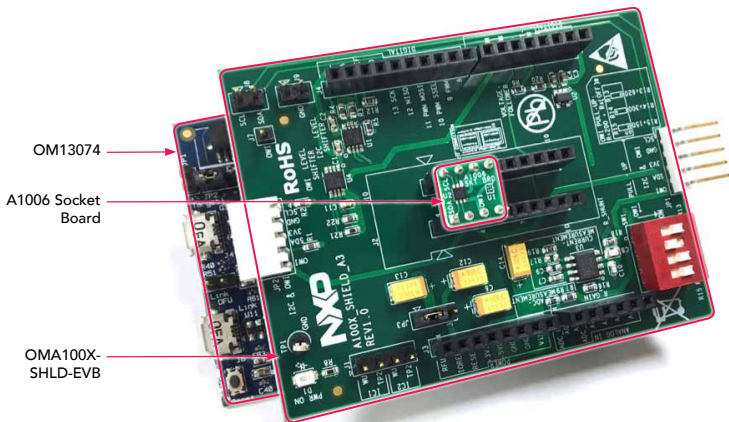


Figure 1: KIT-A1006-Shield - A1006 Demo/Dev Kit Content

KIT-A1006-SHIELD – DEMO AND DEVELOPMENT KIT HARDWARE

KIT-A1006-Shield is an A1006 kit set that is used to evaluate the functionality of A1006. Sample host library is included for code development. This kit can also be used to provision user's certificate into A1006 slot1.

The basic kit is composed of three boards:

- **OM13074:** LPCXpresso board for LPC11U37H
 - The LPCXpresso LPC11U37H board is an extended variant of the standard LPCXpresso V2 board, designed to allow evaluation of the LPC11U37HFBD64 and make it as easy as possible to get started. This board can be ordered from the link below: https://www.nxp.com/support/developer-resources/evaluation-and-development-boards/lpcxpresso-boards/lpcxpresso-board-for-lpc11u37h:OM13074?tab=Buy_Parametric_Tab%20-%20OM13074
- **OMA100X-SHLD-EVB:** An Arduino Uno R3 Interface board for the LPCXpresso board
- **A1006 Socket Board (OMA1006TL/UK-SKT):** A 4x2 socket board with A1006TL or A1006UK that fits onto A100x Shield board ZIF connector or two row headers

KIT-A1006-SHIELD – DEMO SOFTWARE AND HOST LIBRARY

SW Installer - A1006_host_V1.5.0.zip

- Download from DocStore

SCH - A100X_SHIELD_A3_REV_1_0_060418.pdf

- Schematic file for OMA100X-SHLD-EVB
- Download from DocStore

UM - UM11095.pdf

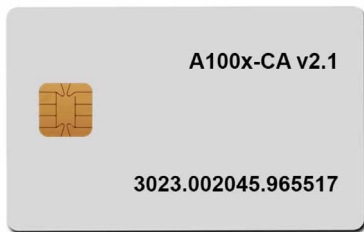
- A1006 demo-development board installation and user manual
- Download from DocStore

Please click [here](#) to access the Doc Store

KIT-A1006-SHIELD – PROVISIONING KIT HARDWARE

To use KIT-A1006-Shield as provisioning kit to program user's certificate into A1006 slot1, additional hardware is required.

- A100X-SMARATCARD - NXP Smart Card V2.1
- Smart Card Reader
 - Built-in smart card reader of a laptop
 - External USB smart card reader



A100X-SMARTCARD

KIT-A1006-SHIELD – PROVISIONING SOFTWARE

- **SW a100x_host-win32_v20.zip**
 - Download from DocStore
- **UM_1_20190104.pdf**
 - A100x Customer Provisioning Utility UM
 - Download from DocStore

Please click [here](#) to access the Doc Store