



# Quick Start Guide

## GET TO KNOW THE A1006 DEMO-DEV KITS

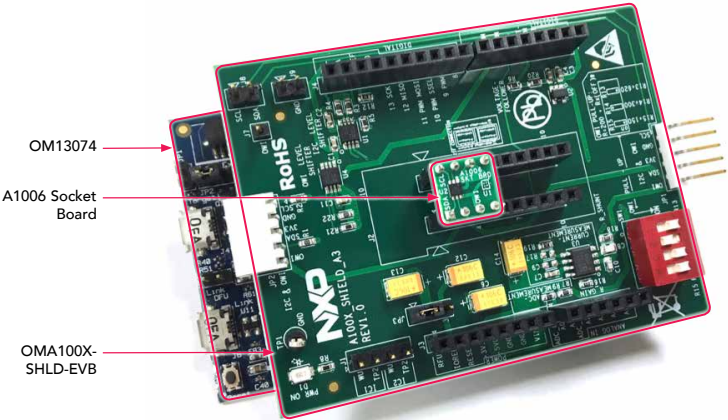
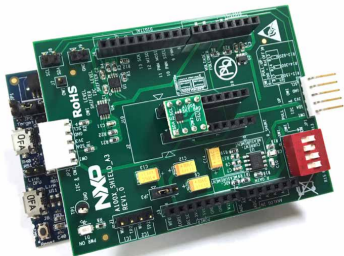


Figure 1: KIT-A1006-Shield - A1006 Demo/Dev Kit Content

## GET TO KNOW THE A1006 DEMO-DEV KITS



**A1006 Demo-Dev Kit**  
Orderable Part Number:  
Kit-A1006-SHIELD



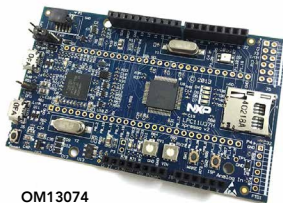
**OMA100X-SHLD-EVB**  
Orderable part number:  
OMA100X-SHLD-EVB  
An Arduino Uno R3 Interface board



**A1006TL Socket Board**  
Orderable Part number:  
OMA1006TL-SKT



**A1006UK Socket Board**  
Orderable Part number:  
OMA1006UK-SKT



**OM13074**  
Orderable part number:  
OM13074 LPCXpresso board  
for LPC11U37H

### 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](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**

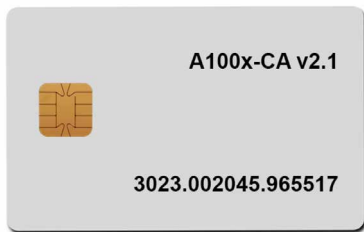
- A1006 demo-development board installation and user manual
- Download from DocStore

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

## SUPPORT

Visit [www.nxp.com/support](http://www.nxp.com/support) for a list of phone numbers within your region.

## WARRANTY

Visit [www.nxp.com/warranty](http://www.nxp.com/warranty) for complete warranty information.



## Get Started

Download installation software and documentation under **"Getting Started"** at [www.nxp.com/A1006GS](http://www.nxp.com/A1006GS).

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