

## Installation instructions

This release is built for NXP LPC1769 board.

A project file for LPCXpresso (Version: LPCXpresso v8.1.x) has been packaged along with this release.

### STEPS TO FOLLOW:

Opening the package in LPCXpresso:

- a) For running this application, connect the system comprising of LPC1769 and one PN5180 Development board to the PC.
- b) Create a new LpcXpresso workspace and import attached project "PN5180\_LPC1769\_SecureFwUpdateLibrary\_v01.00.00.zip". In the LPCXpresso IDE workspace "Lpc1769", "DownloadLibEx1" and "SecureDownloadLib" projects will appear.
- c) Build the project.
- d) Start the "Debug" session of LPCXpresso which will first flash the executable, and start the task.
- e) When this application is running on LPC1769, it performs the initializations and prompts the user for selecting the actions to be performed. Enter the option required.
- f) The selected action is performed.

Application printouts of the secure FW update:

Download Library Example:

Initialization SUCCESS

Select the Option

- Enter 0 to EXIT.
- Enter 1 for FW Version.
- Enter 2 to Get DieID.
- Enter 3 to perform SOFT RESET.
- Enter 4 to CheckSessionState.
- Enter 5 to CheckIntegrity.
- Enter 6 to READ.
- Enter 7 for Firmware Update 3.4.
- Enter 8 for Firmware Update 3.5.

Select Option 1

GetFirmwareVersion func

FW ver: 3.4

Select Option 2

GetDieId func

DieID: 00 00 00 00 00 01 7C 0A 3F 0D 39 E2 4E B6 22 46

Select Option 3

PerformSoftReset func

Select Option8

Firmware upload func

Successful firmware upload

Select Option 1

GetFirmwareVersion func

FW ver: 3.5