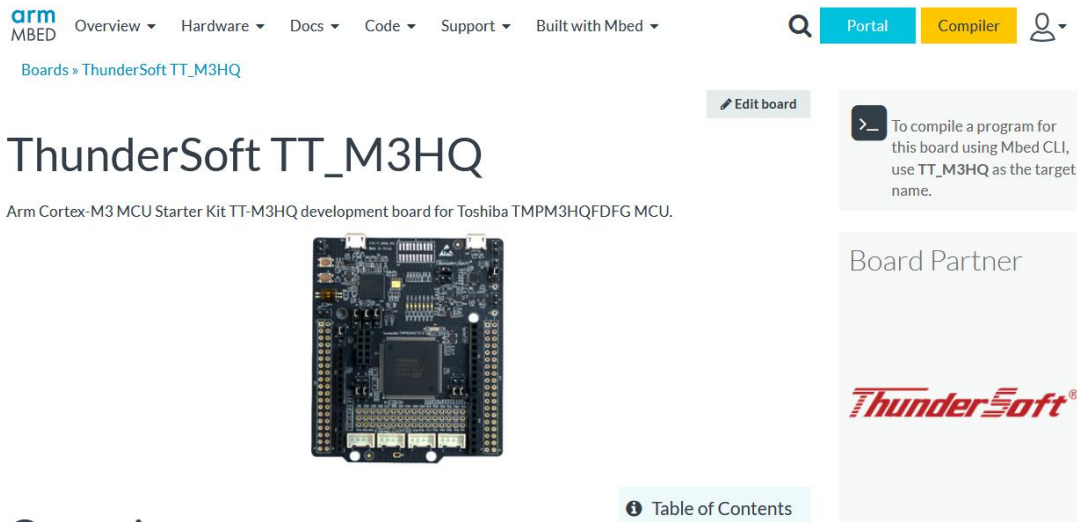


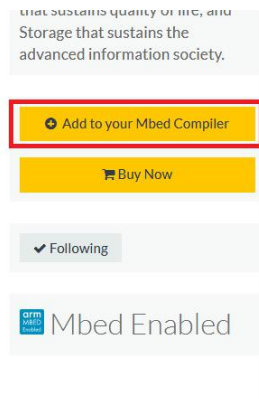
Step 1: Access <https://os.mbed.com/platforms/TT-M3HQ/>



The screenshot shows the Mbed OS website interface. At the top, there is a navigation bar with 'arm MBED' logo and menu items: Overview, Hardware, Docs, Code, Support, and Built with Mbed. A search bar and buttons for 'Portal' and 'Compiler' are also visible. Below the navigation, the breadcrumb 'Boards » ThunderSoft TT_M3HQ' is shown. The main heading is 'ThunderSoft TT_M3HQ' with a subtitle 'Arm Cortex-M3 MCU Starter Kit TT-M3HQ development board for Toshiba TMPM3HQFDG MCU.' A central image shows the physical development board. To the right, there is an 'Edit board' button and a text box stating: 'To compile a program for this board using Mbed CLI, use TT_M3HQ as the target name.' Below this is a 'Board Partner' section featuring the 'ThunderSoft' logo. At the bottom right, there is a 'Table of Contents' button.

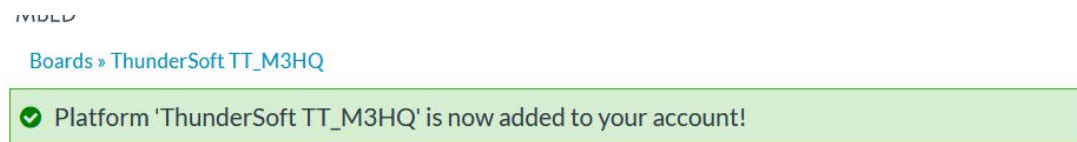
Step 2: Click on [Add to your Mbed Compiler] Button

- Flexible power supply
 - USB, VBUS or external source 5V
- 2.54mm pitch 3-pin jumper connector for power supply 3.3V or 5V select
- 4 extension – Arduino™ Uno connectivity, Extension headers, Motor connection header, SeeedGrove connection header, Compatible with a wide range of commercially available shields
- Power LED, 2 LEDs for DAP and 4 LEDs for user
- 2 Push-Switches: Reset and User
- 2 DIP-Switches for User
- DAP-LINK debugger and programmer with SWD connector
- USB Interfaces supported
- Built-in USB drag 'n' drop FLASH programmer
- Arm® Mbed™-Enabled



This screenshot shows a vertical sidebar from the Mbed OS website. It contains the text: 'What sustains quality of life, and Storage that sustains the advanced information society.' Below this text is a yellow button with a plus icon and the text 'Add to your Mbed Compiler', which is highlighted with a red rectangular border. Underneath is another yellow button with a shopping cart icon and the text 'Buy Now'. Further down is a grey button with a checkmark and the text 'Following'. At the bottom is the 'arm Mbed Enabled' logo.

TT M3HQ Spec



The screenshot shows the Mbed OS website with the breadcrumb 'Boards » ThunderSoft TT_M3HQ'. A prominent green notification box with a checkmark icon contains the text: 'Platform 'ThunderSoft TT_M3HQ' is now added to your account!'. Below the notification, there is an 'Edit board' button.

ThunderSoft TT_M3HQ

Arm Cortex-M3 MCU Starter Kit TT-M3HQ development board for Toshiba TMPM3HQFDG MCU.



Step 3: Click on [Blink] link

Target Application

Thundersoft has finished 10 kinds of shield board and sensor's test program, please refer to.

- [Download Test Program](#)
- [Download Manual](#)

Shield board and sensor list:

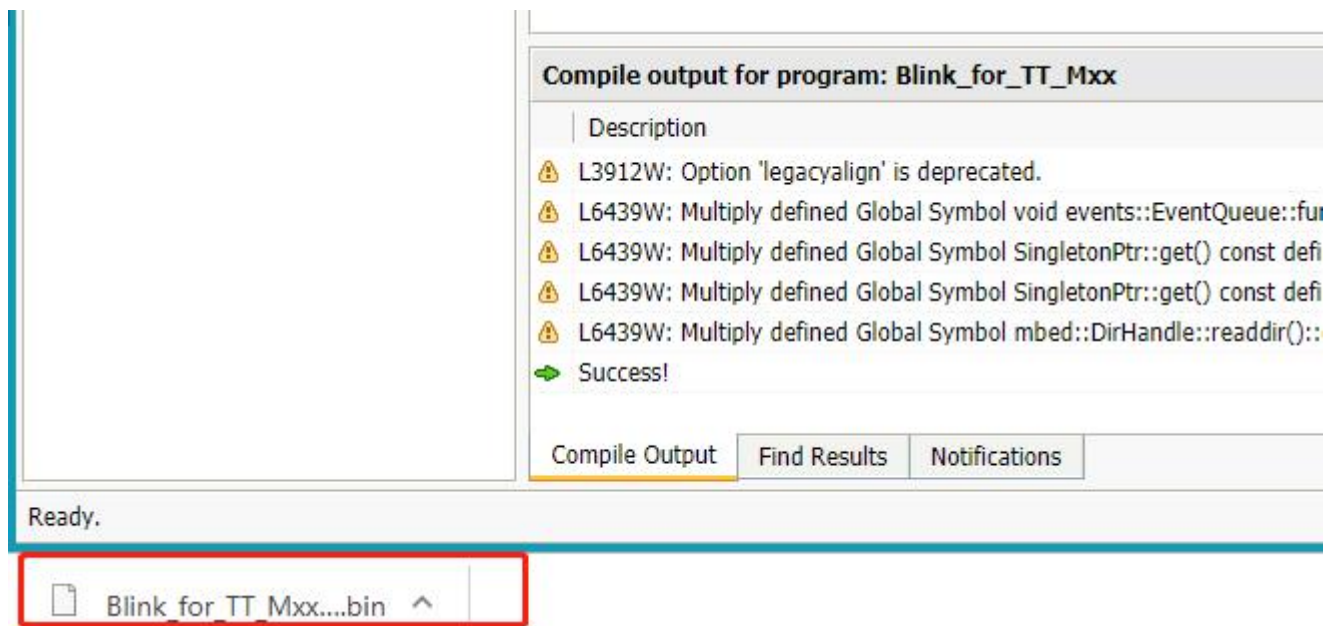
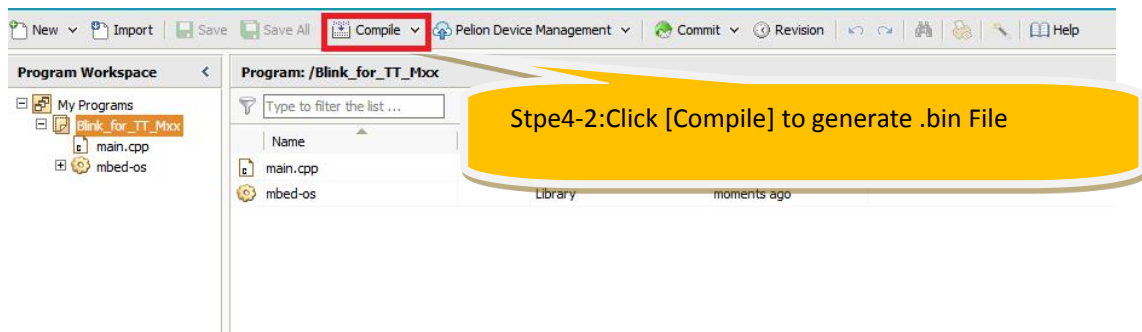
No.1	FRDM_FXS_MULTI Shield Board	No.2	FRDMSTBC-A8491 Shield Board
No.3	X_NUCLEO_VL6180XA1 Shield Board	No.4	X-NUCLEO-IKS01A2 Shield Board
No.5	6-axis Sensor GY-521 MPU6050	No.6	Rohm Heart Rate Sensor BH1790GLC
No.7	PIR Sensor	No.8	Reed Switch Sensor CK021
No.9	Temperature and Humidity Sensor	No.10	LCD HX8347D
No.11	Blink		

Step 4: Then click on [import into Compiler] Button to compile

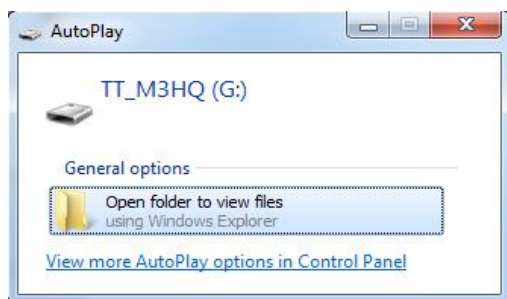
The screenshot shows the mbed OS repository page for the project 'Blink_for_TT_Mxx' by Thundersoft. The page includes navigation tabs (Home, History, Graph, API Documentation, Wiki, Pull Requests, Admin settings), a link to 'Edit repository readme', and a 'Repository toolbox' on the right with buttons for 'Import into Compiler', 'Export to desktop IDE', 'Build repository', 'Send Pull Request from here', 'Following', and 'Set as example'. The 'Import into Compiler' button is highlighted with a red box.

The screenshot shows the 'Import Program' dialog box in an IDE. The 'Source URL' field contains 'https://os.mbed.com/teams/Thundersoft/code/Blink_for_'. The 'Import As' radio buttons are set to 'Program'. The 'Import Name' field contains 'Blink_for_TT_Mxx'. The 'Update' checkbox is checked. The 'Import' button is highlighted with a red box.

Step4-1: Click [Import]



Step 5:Connect TT_M3HQ Board to PC with USB Cable



Step 6:Copy Blink_for_TT_Mxx.TT_M3HQ.bin to TT_M3HQ

Step 7: Pressing SW1 and The TT_M3HQ's LED0 blinks

