1.5 实验四  JLINK 驱动安装(选配)

注：本实验只有购买 JLINK 仿真器的用户才可以做。

1.5.1 实验目的

- 学习安装 JLINK 驱动，以便用 JLINK 仿真器对开发板进行调试。

1.5.2 实验内容

- 安装 JLINK 驱动。

1.5.3 实验设备

- PC 机、JLINK 驱动程序。

1.5.4 实验步骤


*(License required)*

![Software and documentation pack V4.081(7523 KB)](attachment:image)

安装驱动很简单，只要将下载的 zip 包解压得到 Setup_JLinkARM_V4081.exe，然后双击直接安装即可，默认安装一路点击“NEXT”即可；
Please read the following license agreement. Use the scroll bar to view the rest of this agreement.

Important - Read carefully:

This license is a legal agreement between YOU (either an individual or a single entity) and SEGGER Microcontroller GmbH & Co. KG (called SEGGER). By downloading and/or using J-Link ARM software, you agree to be bound by the terms of this agreement.

1. LICENSE AGREEMENT
In this agreement "Licensor" shall mean SEGGER except under the following circumstances:
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Do you accept all the terms of the preceding license agreement? If so, click on the Yes push button. If you select No, Setup will close.

Yes  No

Welcome to J-Link ARM V4.081 Setup program. This program will install J-Link ARM V4.081 on your computer.

Click Cancel to quit Setup, click Next to continue with the Setup program.
WARNING: This program is protected by copyright law and international treaties.
Unauthorized reproduction or distribution of this program, or any portion of it, may result in severe civil and criminal penalties, and will be prosecuted to the maximum extent possible under law.

< Back  Next >  Cancel
Choose Destination Location

Setup will install J-Link ARM V4.08I in the following folder.
To install into a different folder, click Browse, and select another folder.
You can choose not to install J-Link ARM V4.08I by clicking Cancel to exit Setup.

Destination Folder
\..\SEGGER\JLinkARM_V408I

Choose options
Choose options for creating shortcuts
- Create entry in start menu
- Add shortcuts to desktop
You are now ready to install J-Link ARM V4.08.
Press the Next button to begin the installation or the Back button to reenter the installation information.
到此为止驱动就安装好了。在电脑桌面上会生成如下图标。

图 4-7

图 4-8
1.9 实验八  JLINK 仿真（选配）

1.9.1 实验目的

- 掌握 JLINK 仿真器的使用方法（此实验只有购买了 JLINK 仿真器的用户才可以做）。

1.9.2 实验设备

- PC 机、F2440 开发板、JLINK 仿真器及连线。

1.9.3 实验内容

- 使用 JLINK 仿真器来调试 LED 程序。

1.9.4 实验步骤

打开 AXD，在“options”菜单中选择 Configure target .......

![Choose Target dialog box]

图 8-1

点击右上角的“add”，弹出如下对话框
选择 JLinkRDI.dll（在 JLINK 驱动的安装目录下）打开，

此时选择 Configure 得到下面的对话框，按 CPU 标签处按下图进行配置，其他标签使用默认设置即可。下图确定之后会回到上图，点击上图的“OK”，即可进入仿真状态。
Allow instruction set simulation

- Allows the emulator to simulate individual instructions when single stepping instructions. This does not normally have any disadvantages and makes debugging much faster, especially when using flash breakpoints.

**Endianness**
- Little endian
- Big endian

**Reset strategy**

J-Link supports different reset strategies. This is necessary because there is no single way of resetting and halting an ARM core before it starts to execute instructions.

- No reset

No reset is performed.
点击运行即可仿真了。