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文档编号: (芯片型号) - ASR6505 (英文、数字)

## ASR6505 应用开发环境搭建指南

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翱捷科技（上海）有限公司

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## 版本历史

版本号	修改日期	作 者	修 改 说 明
V0.1	2019.04.20	Ruilin Hao	Initial version

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## 1 概述

本文档主要为 ASR6505 的开发人员描述如何搭建应用开发环境，以方便 ASR6505 的开发人员能够快速进行程序的开发。ASR6505 可以选择两种开发环境：STVD 和 IAR STM8，其中 STVD 可以免费使用，IAR 软件需要付费。

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## 2 STVD 环境搭建

### 2.1 STVD 安装

登录 ST 官网，下载 STVD 软件([https://www.st.com/content/st\\_com/en/products/development-tools/software-development-tools/stm8-software-development-tools/stm8-programmers/stvd-stm8.html](https://www.st.com/content/st_com/en/products/development-tools/software-development-tools/stm8-software-development-tools/stm8-programmers/stvd-stm8.html))。

#### KEY FEATURES

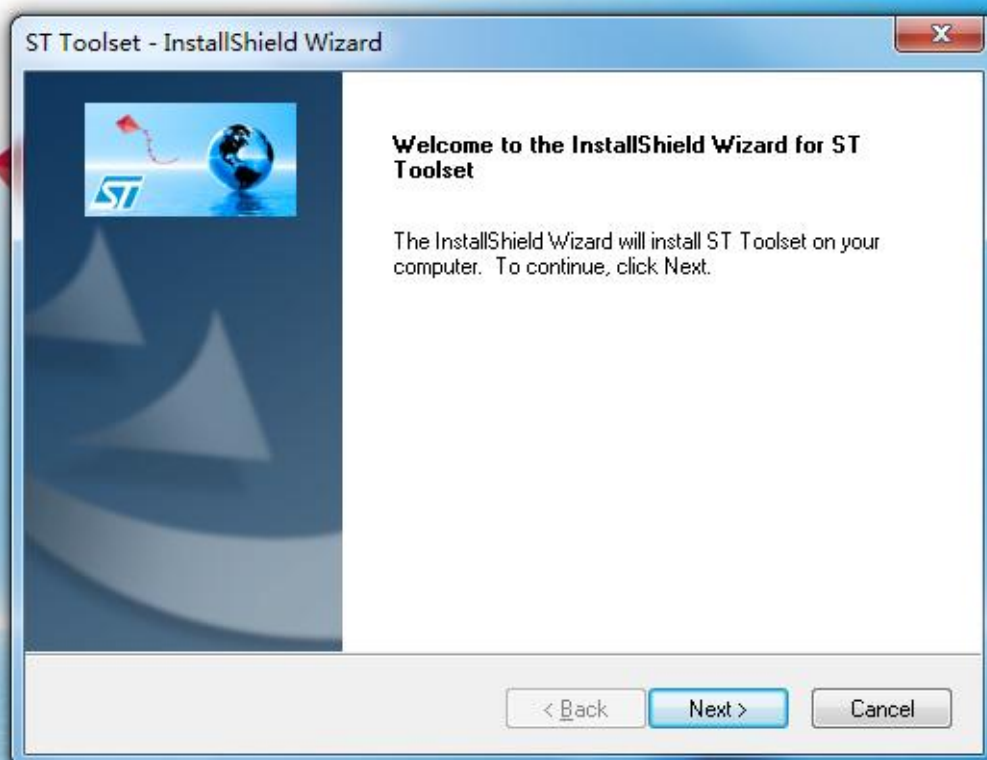
- Write and build applications efficiently and easily:
  - Text editor with color-syntax highlighting, brace matching and auto completion
  - Seamless integration of C compilers and ST assembler controls at project level
  - MCU selection to build an application for a specific microcontroller
  - C compiler support includes Cosmic C compiler (available at [www.cosmicsoftware.com](http://www.cosmicsoftware.com)) and Raisonance C compiler (available at [www.raisonance.com](http://www.raisonance.com))

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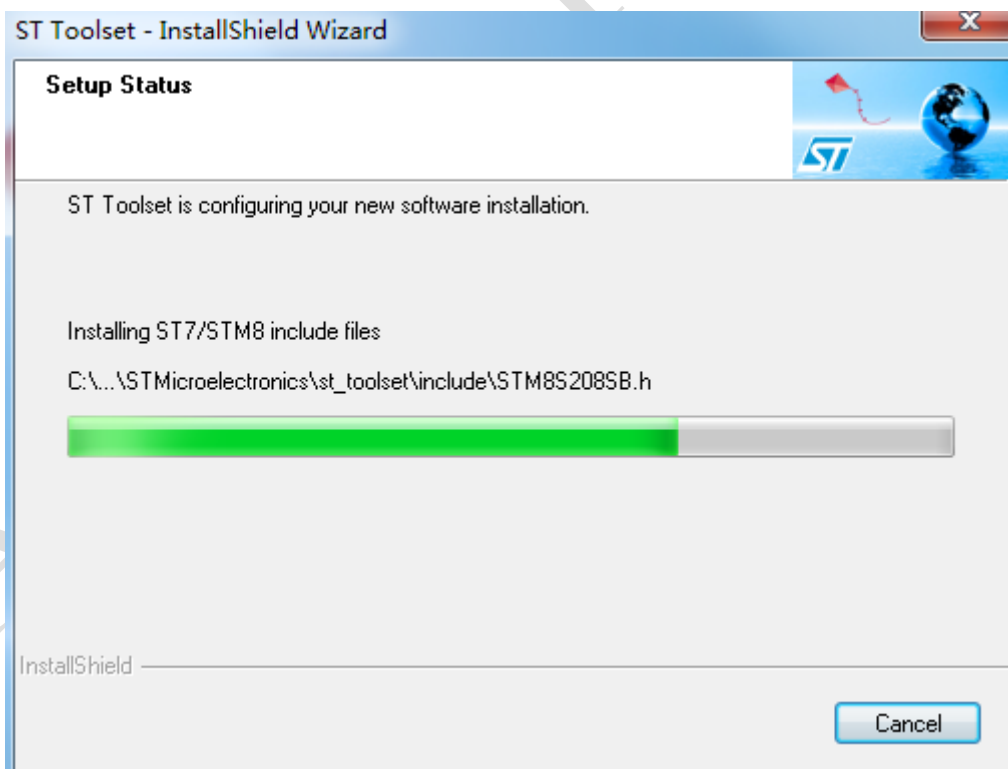
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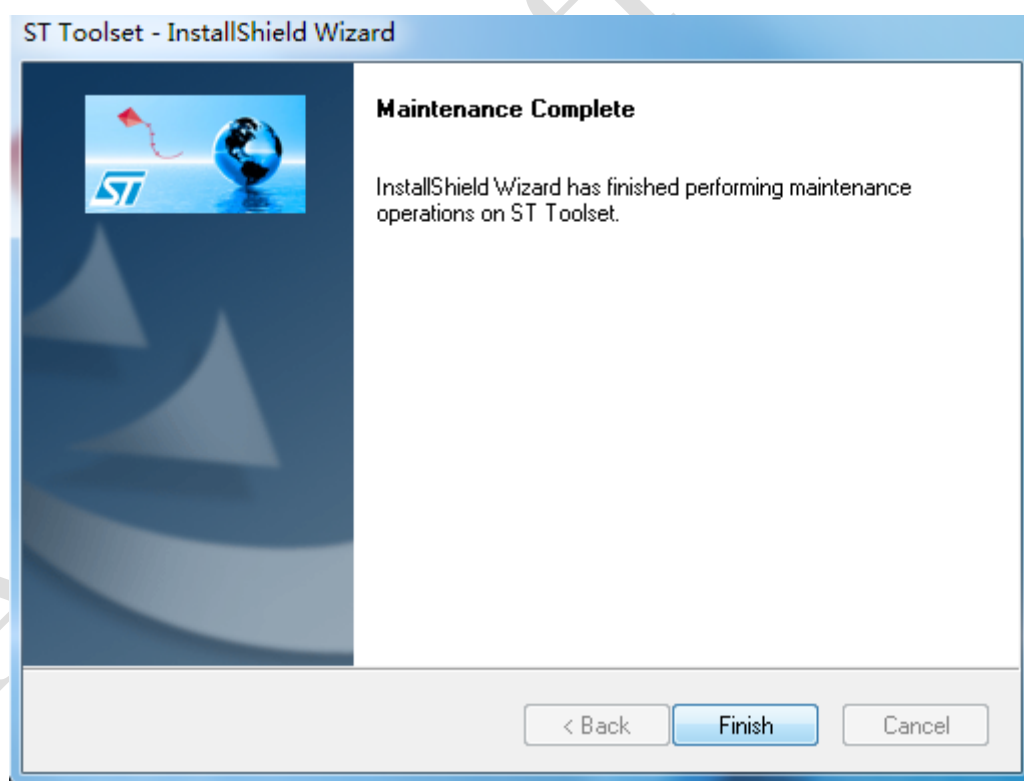
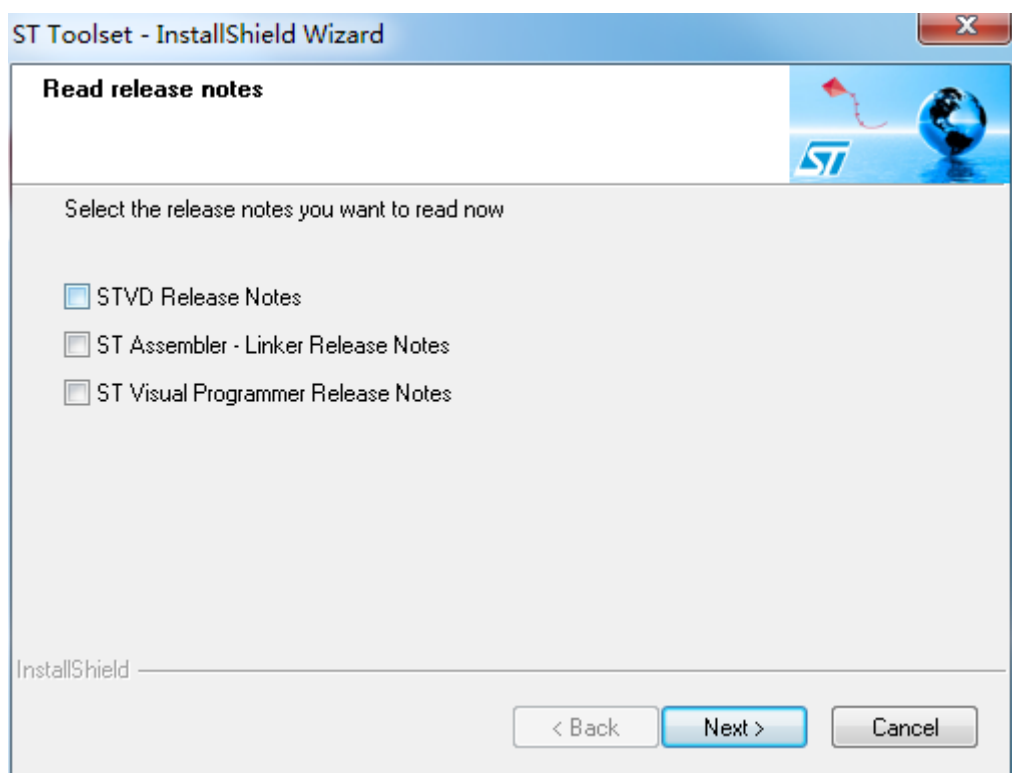
Part Number	Marketing Status	Supplier	Software Version	Download
STVD-STM8	Active	ST	42.0.0	<a href="#">Get Software</a>

双击安装程序并根据安装向导进行安装。



STMicroelectronics





## 2.2 COSMIC 编译器安装



安装过 STVD 之后，还需要安装 COSMIC 编译器，登录 COSMIC 官网(<http://www.cosmic-software.com/download.php#stm8>)进行下载

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- Size limited Evaluation versions are completely free and do not require any registration to work.
- For some targets, Cosmic provides a free size limited version supporting a larger application than the evaluation version. Some free versions may require registration for download and use as noted below.
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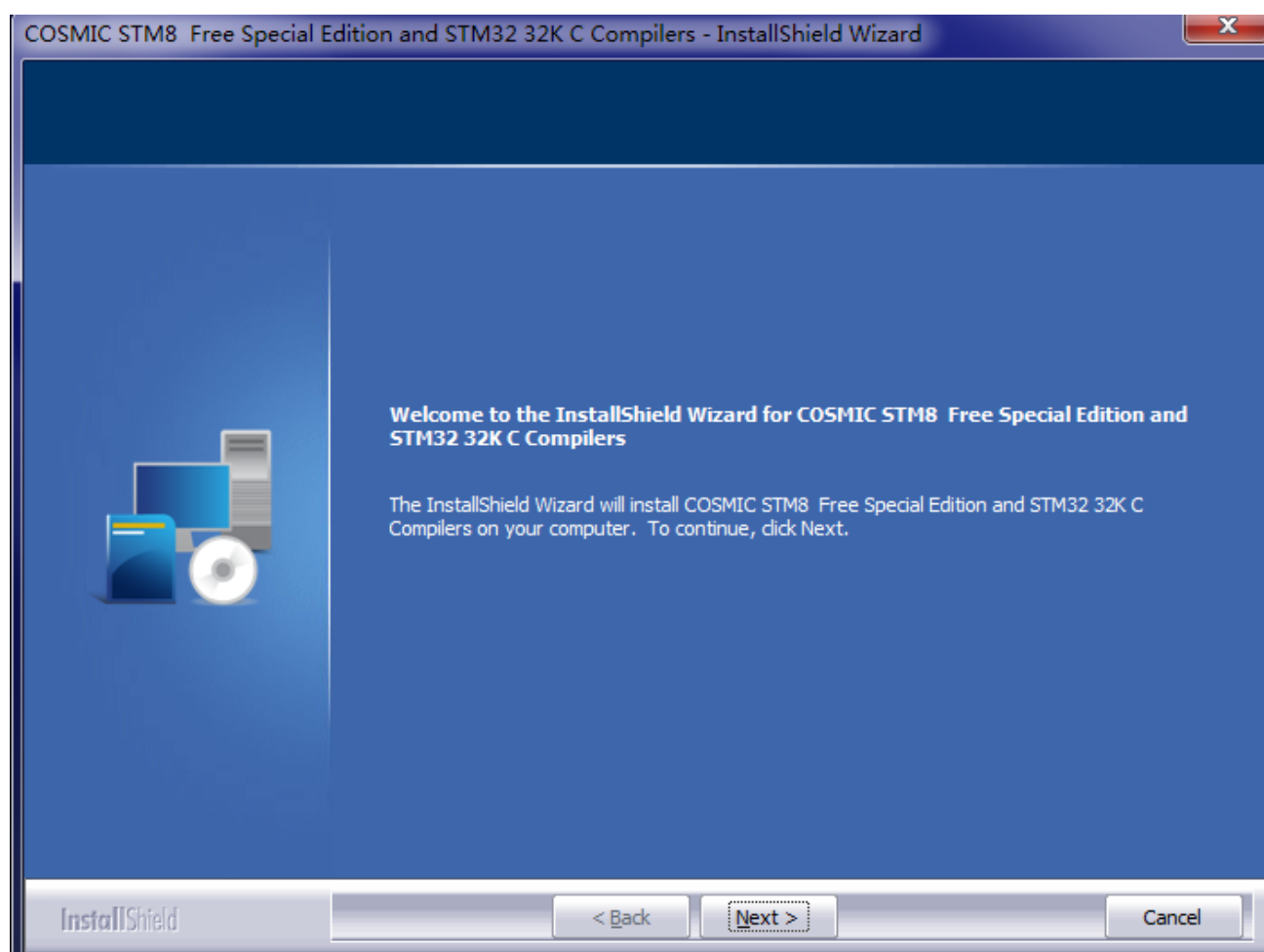
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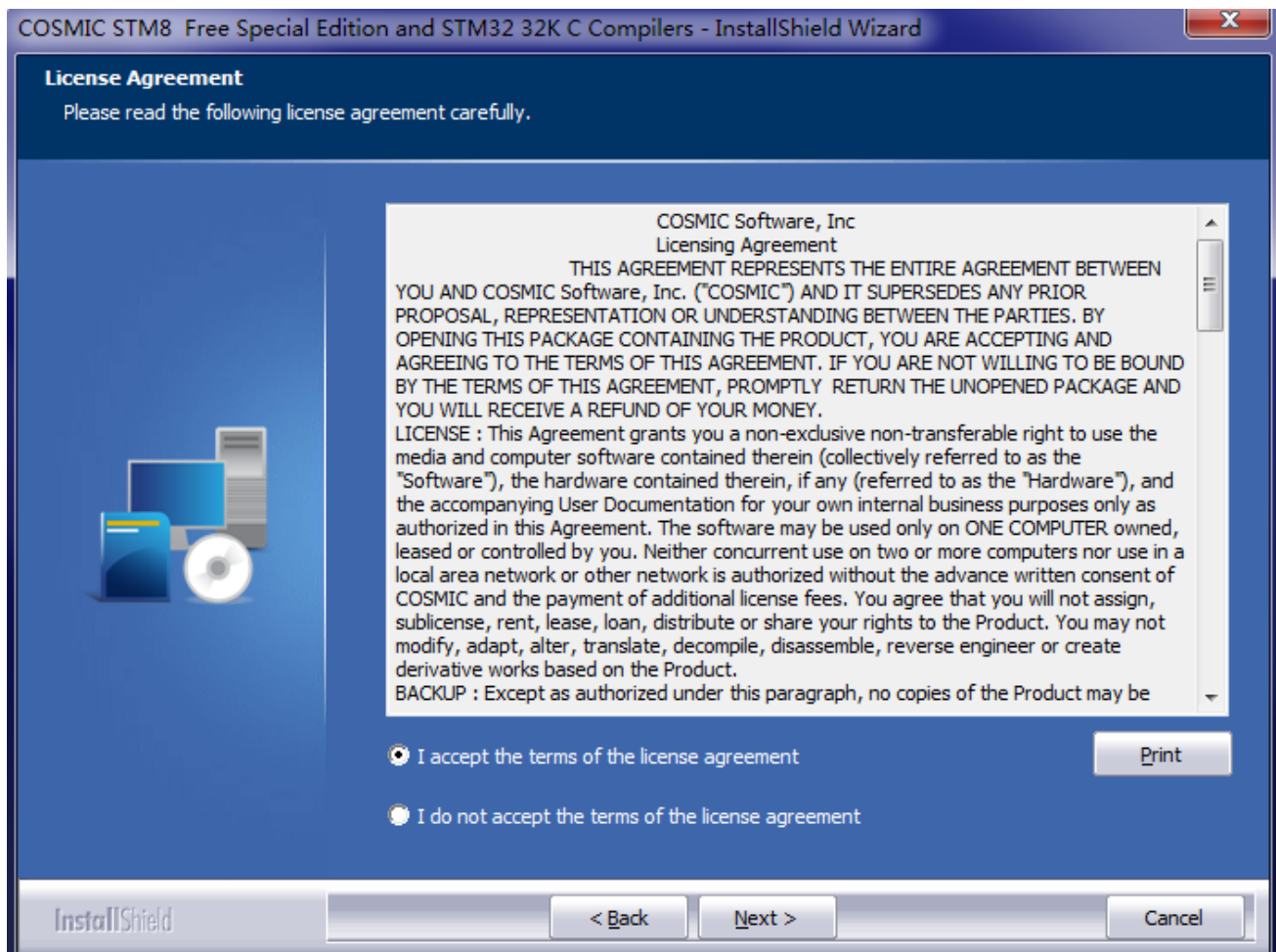
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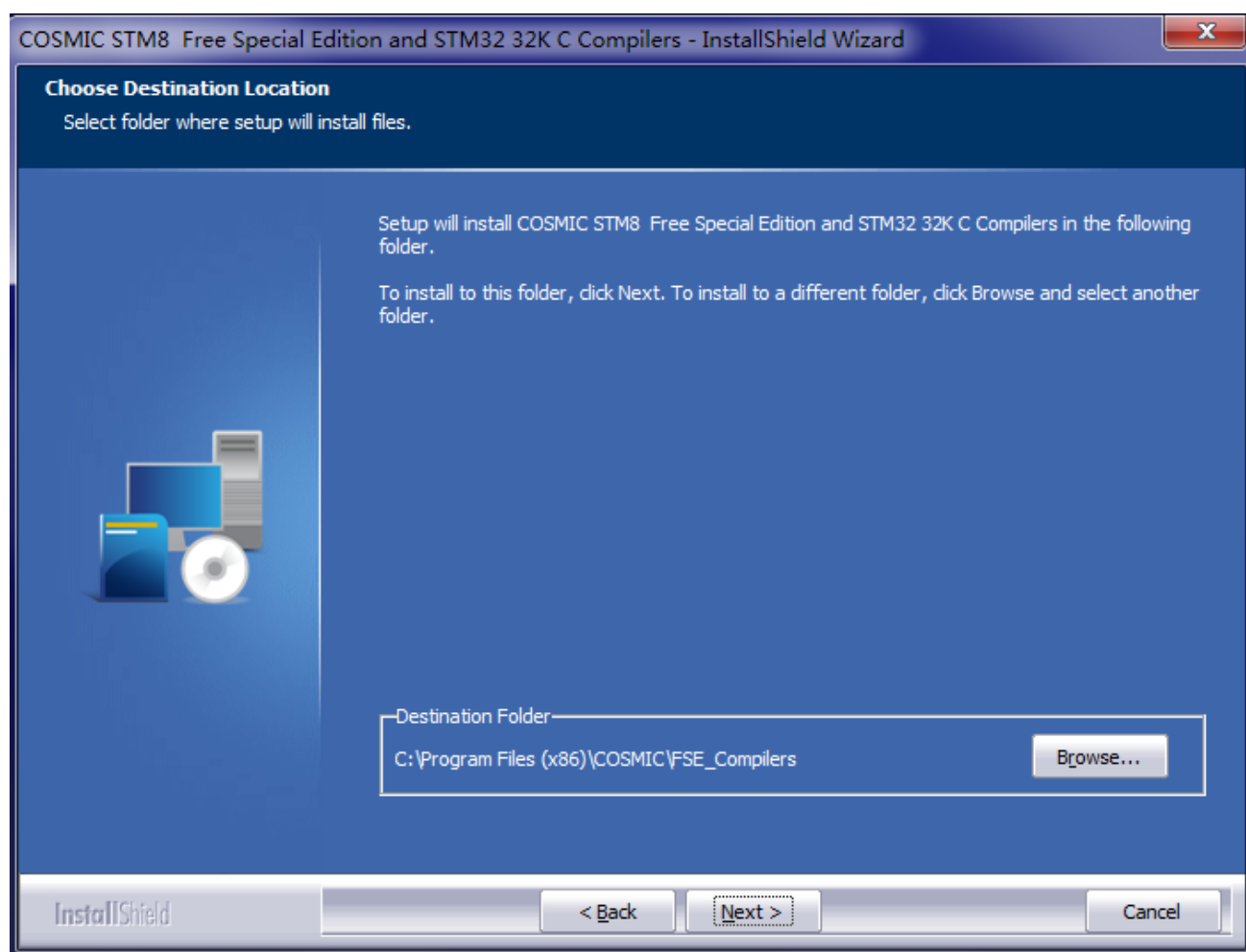
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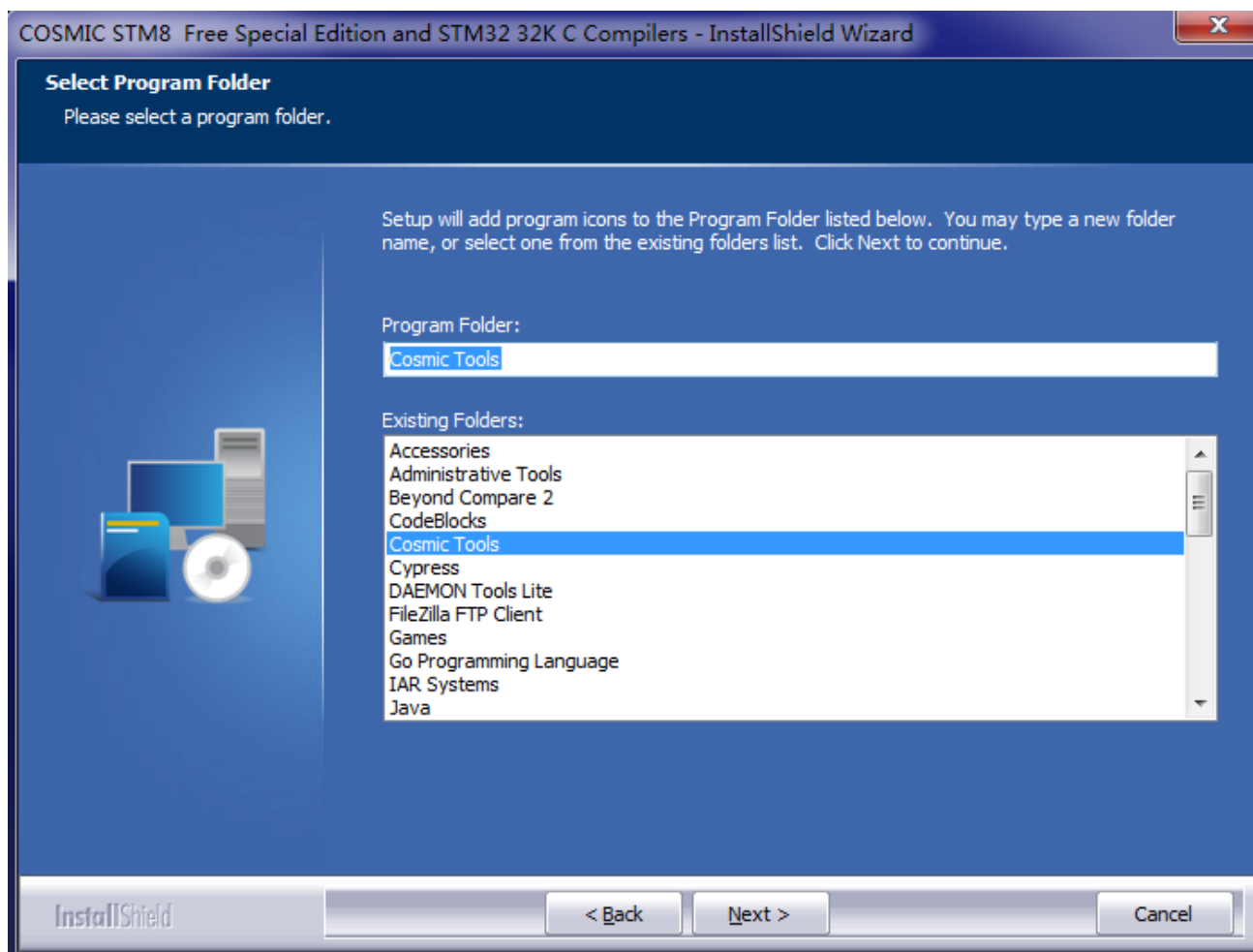
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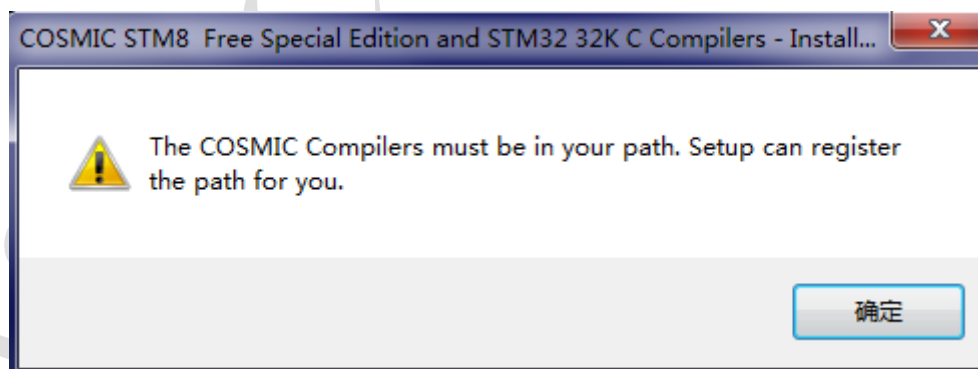
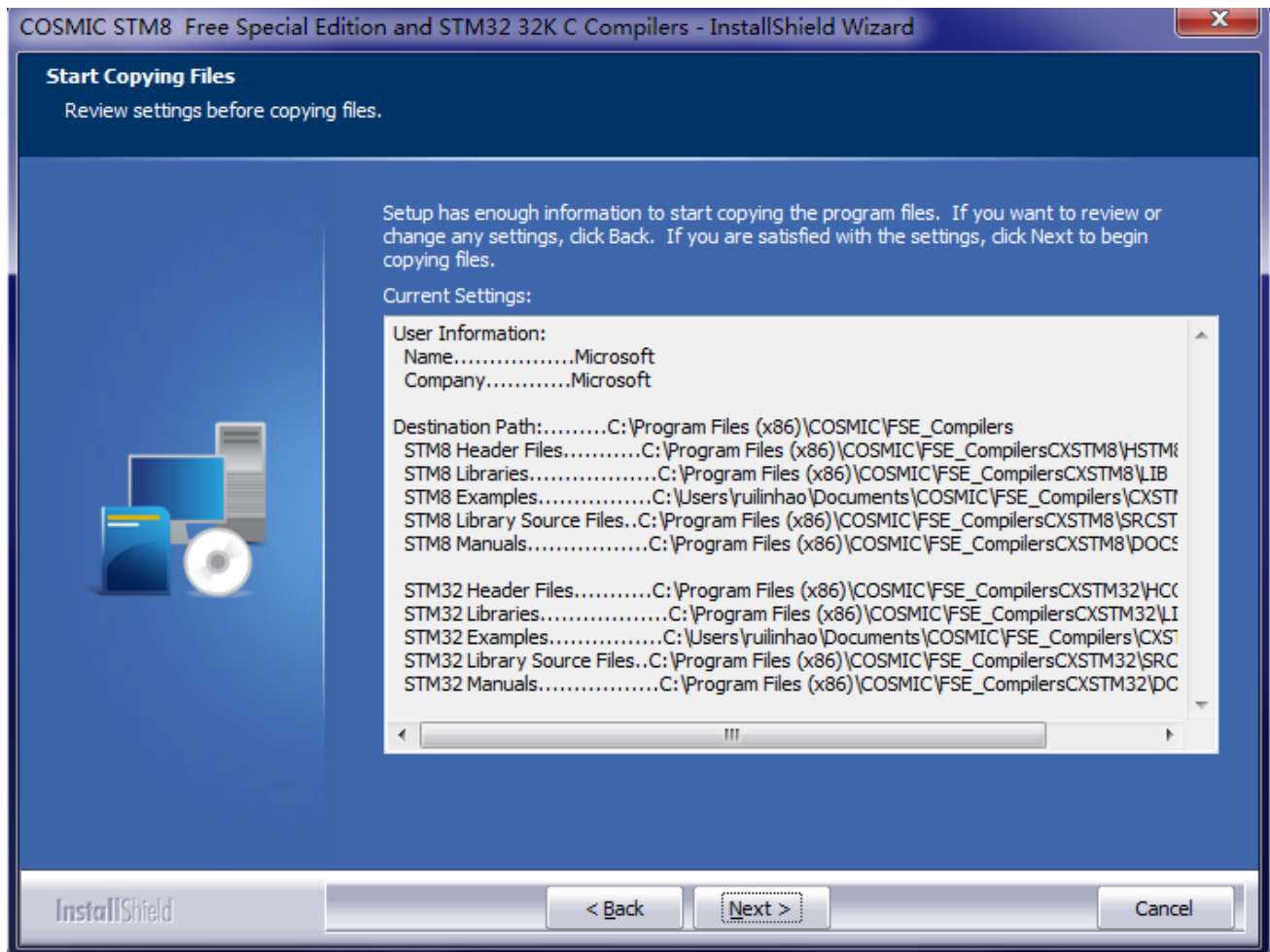
下载后，双击安装文件，并按照安装向导进行安装。

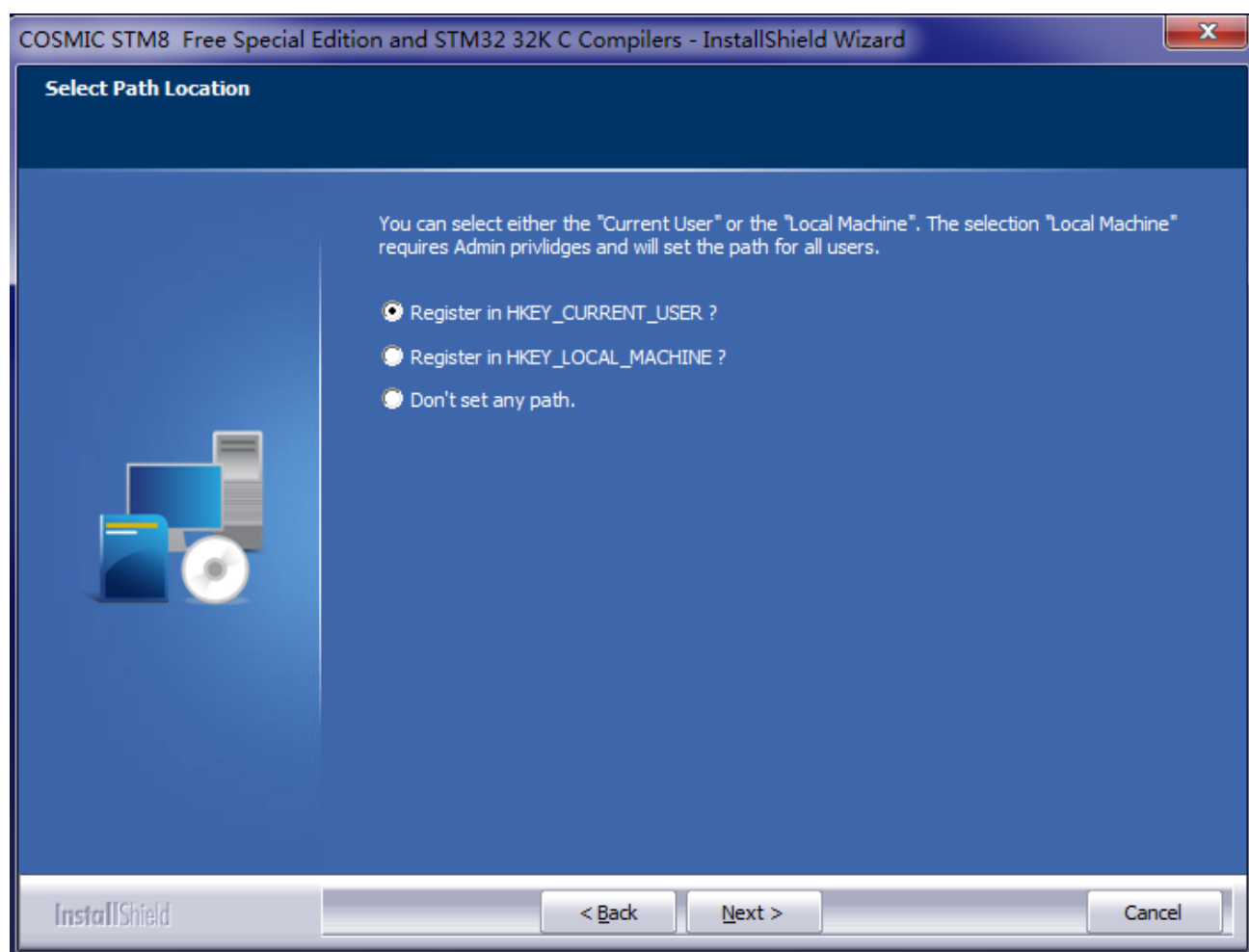




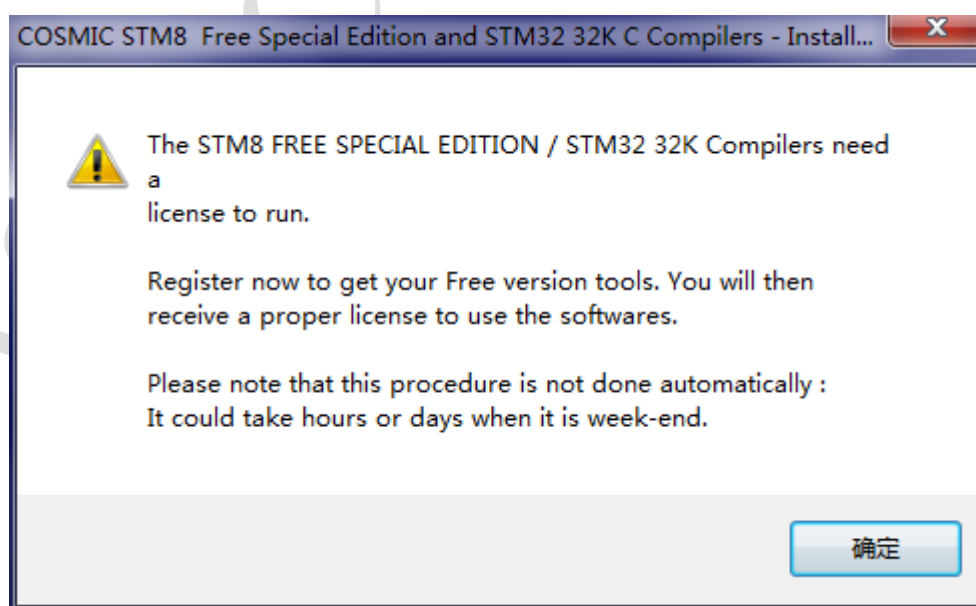
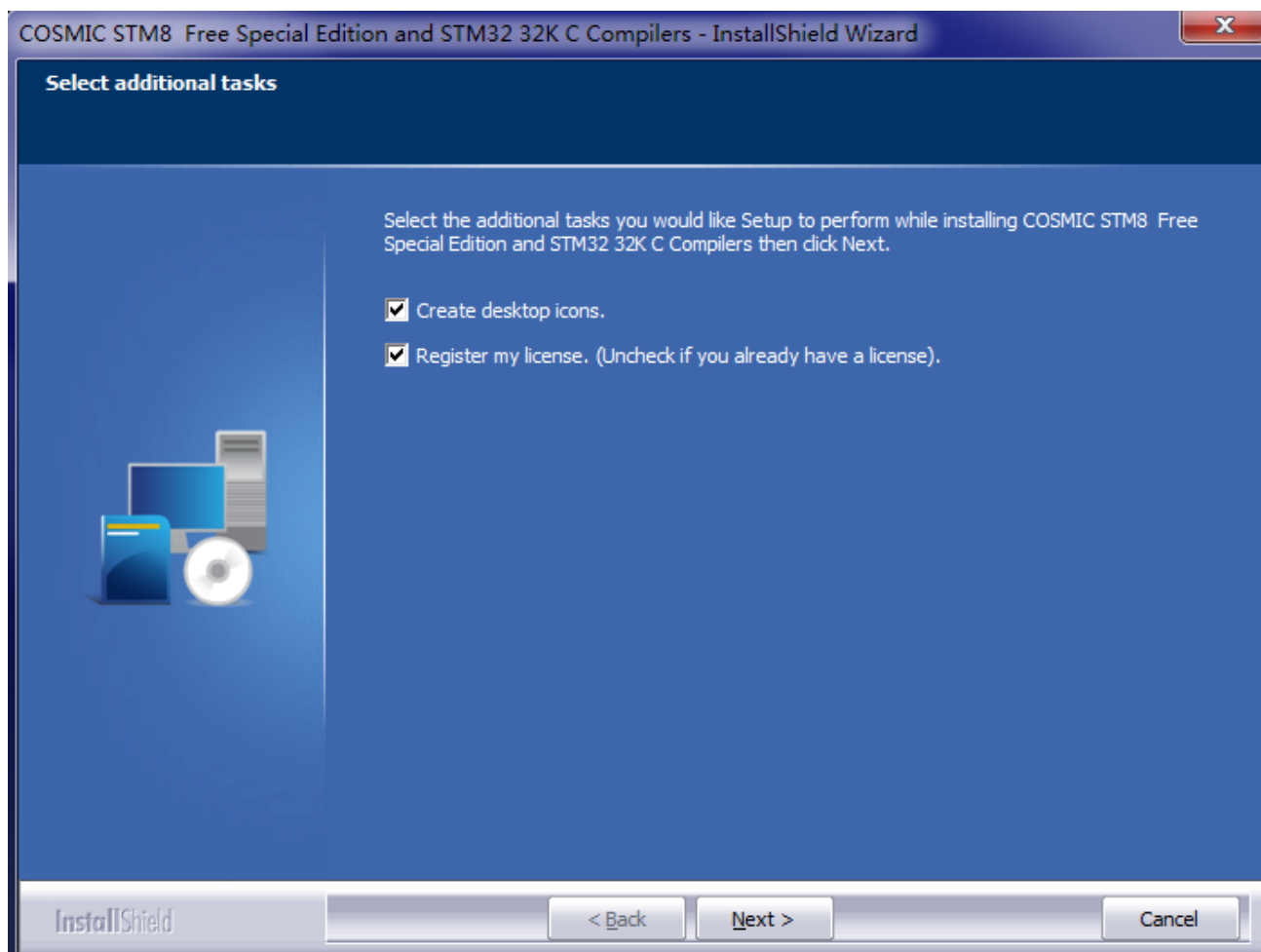












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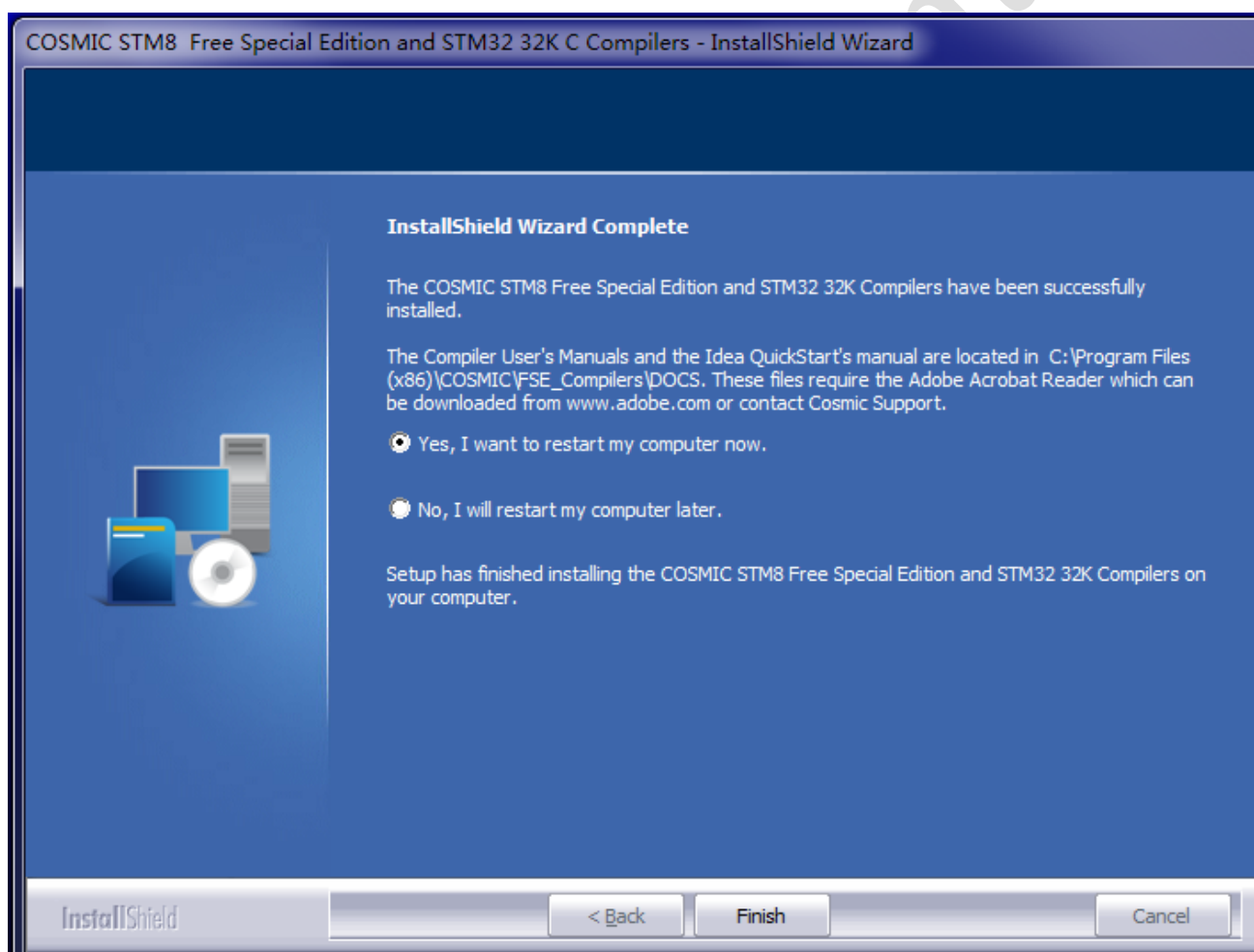
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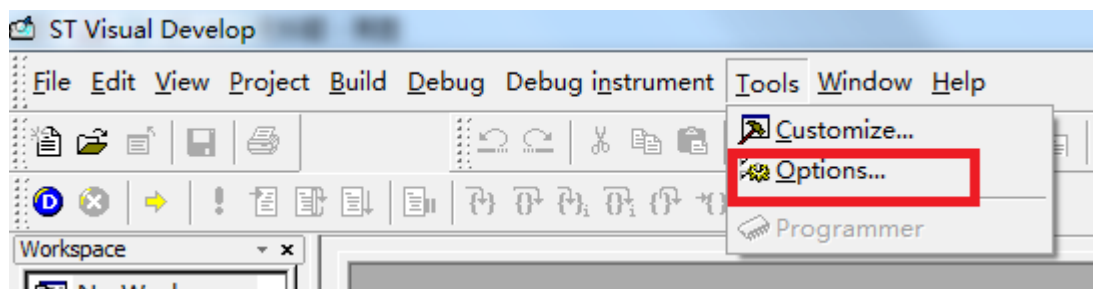
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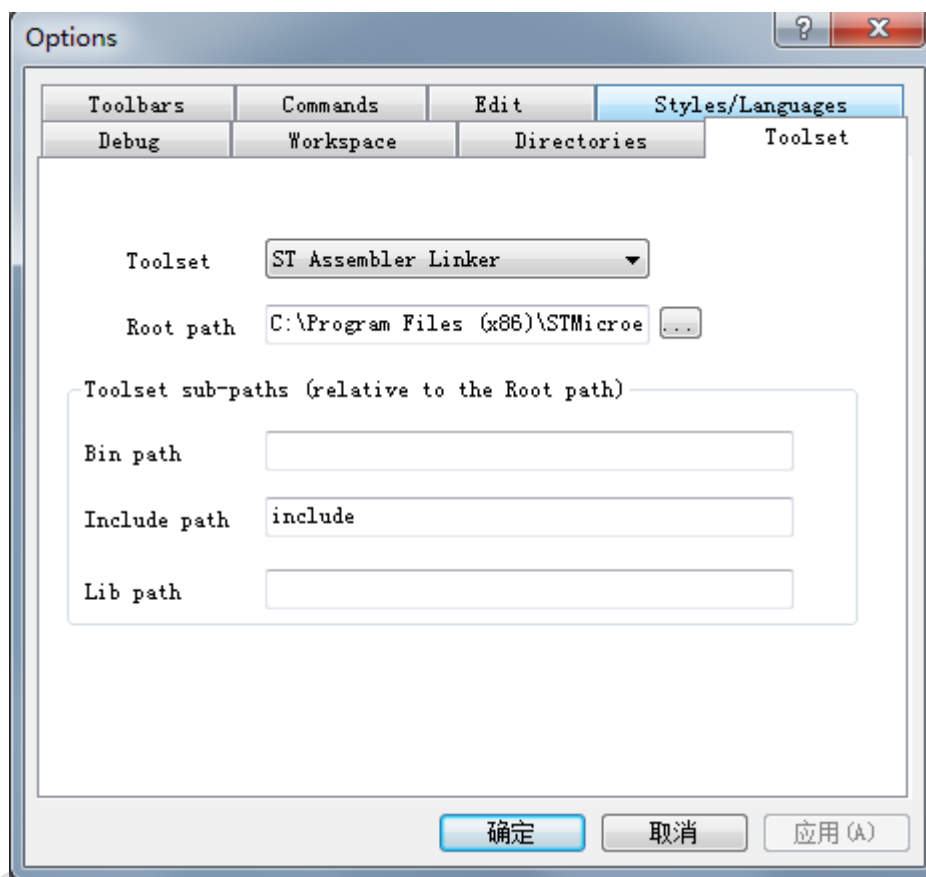


## 2.3 编译器配置

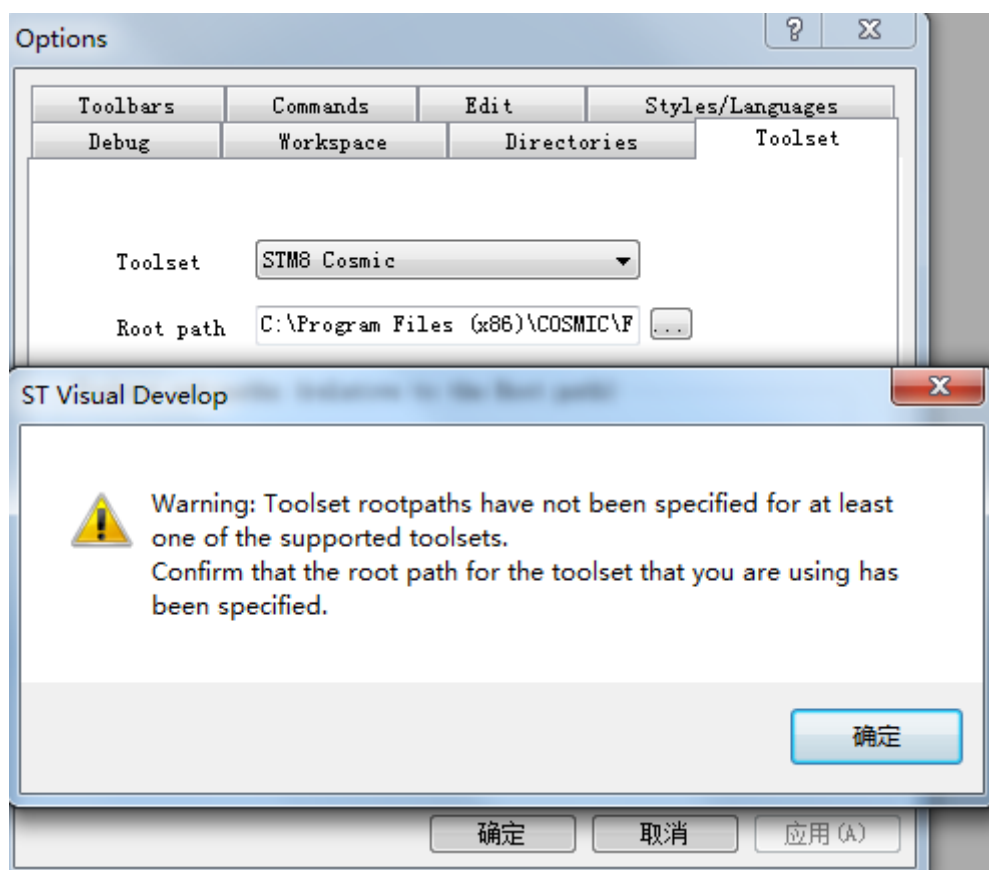
打开 STVD，找到 Tools->Options，并打开。



在 Options 页面找到 Toolset



配置 Toolset 为“STM8 Cosmic”，并点击确认，此处会弹出警示框，点击确认即可。

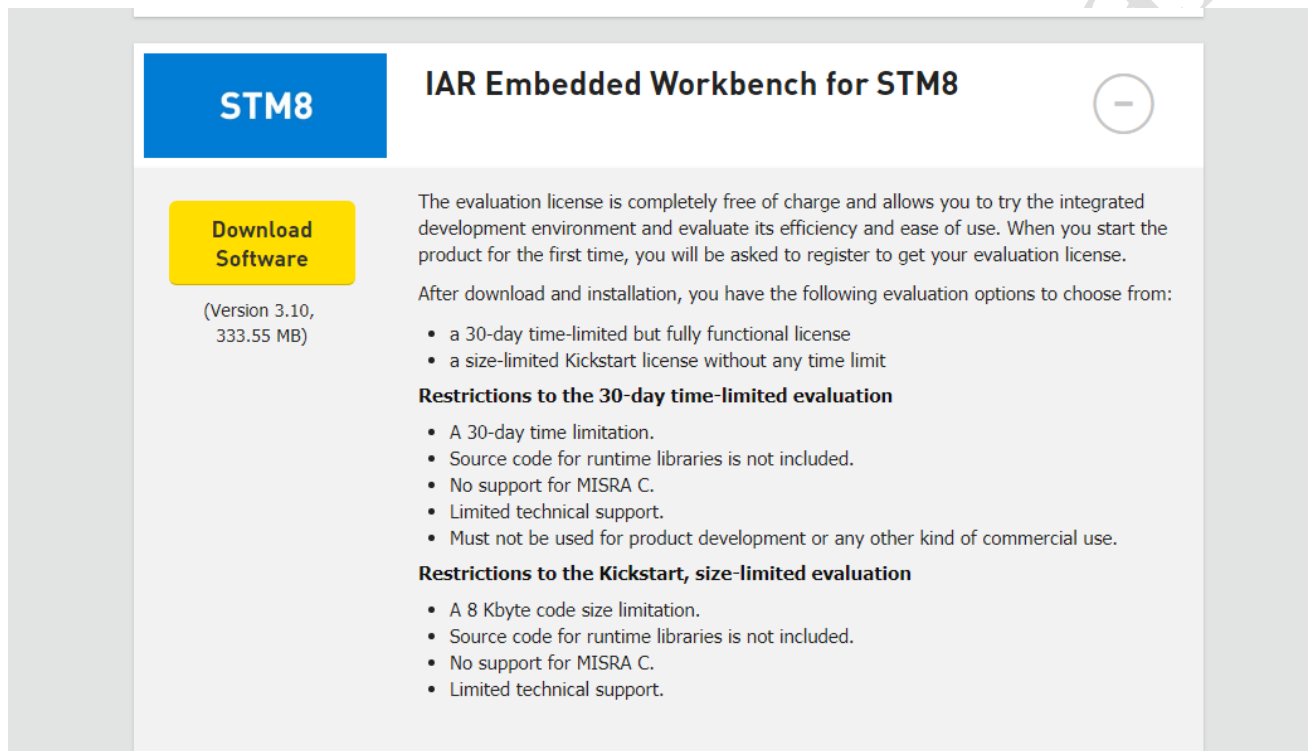


如遇到 license 问题，使用前面邮件收到的 license.lic 进行注册即可。

## 3 IAR For STM8 环境搭建

### 3.1 IAR 安装

登录 IAR 官网（<https://www.iar.com/iar-embedded-workbench/#!?currentTab=free-trials>）下载 IAR For STM8 安装文件



运行安装文件，并点击“Install IAR Embedded Workbench for STMicroelectronics STM8”



**IAR Embedded  
Workbench**



- **Install IAR Embedded Workbench® for STMicroelectronics STM8**

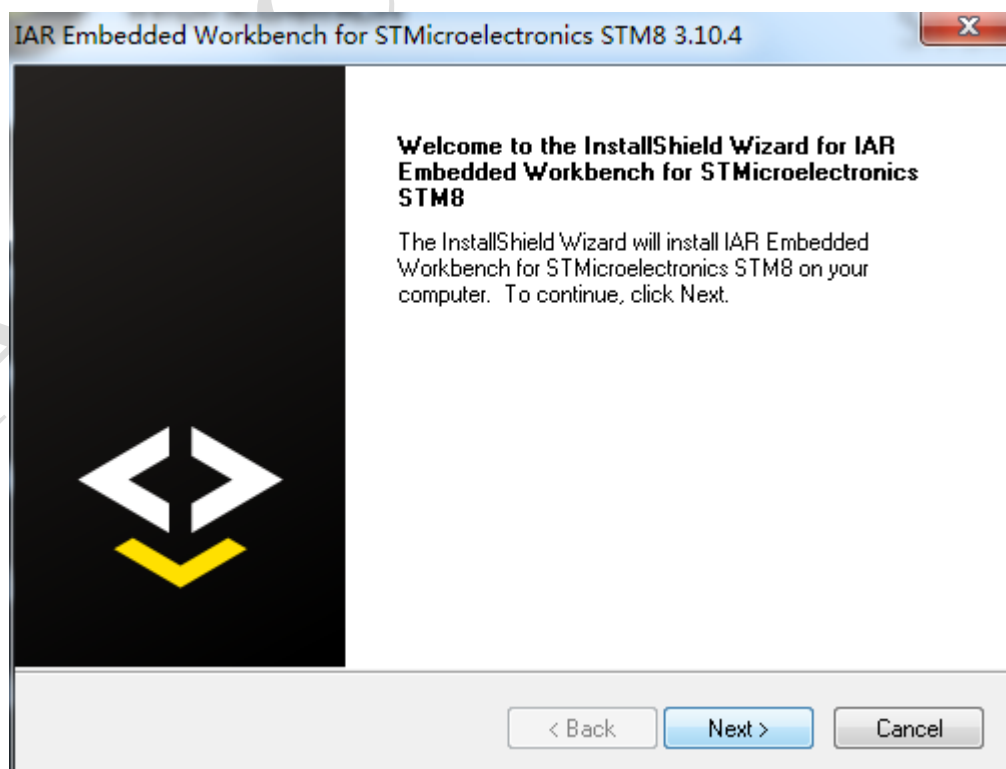
- **Installation and licensing information**

- **Release notes**

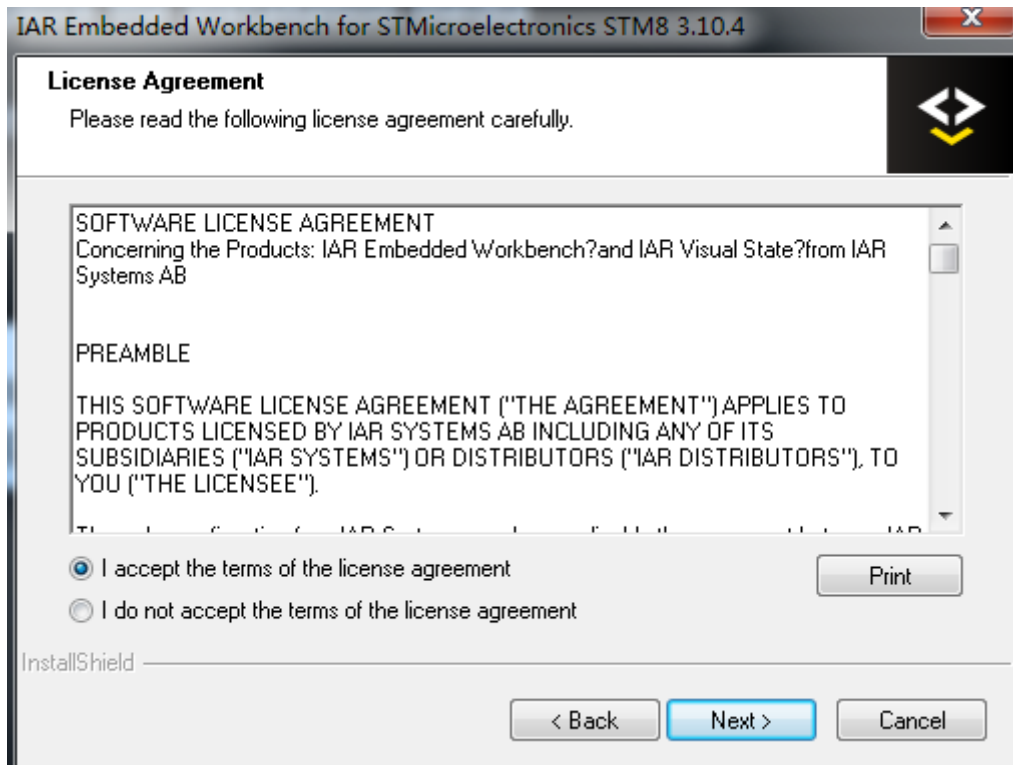
- **Explore the installation media**

- **Exit**

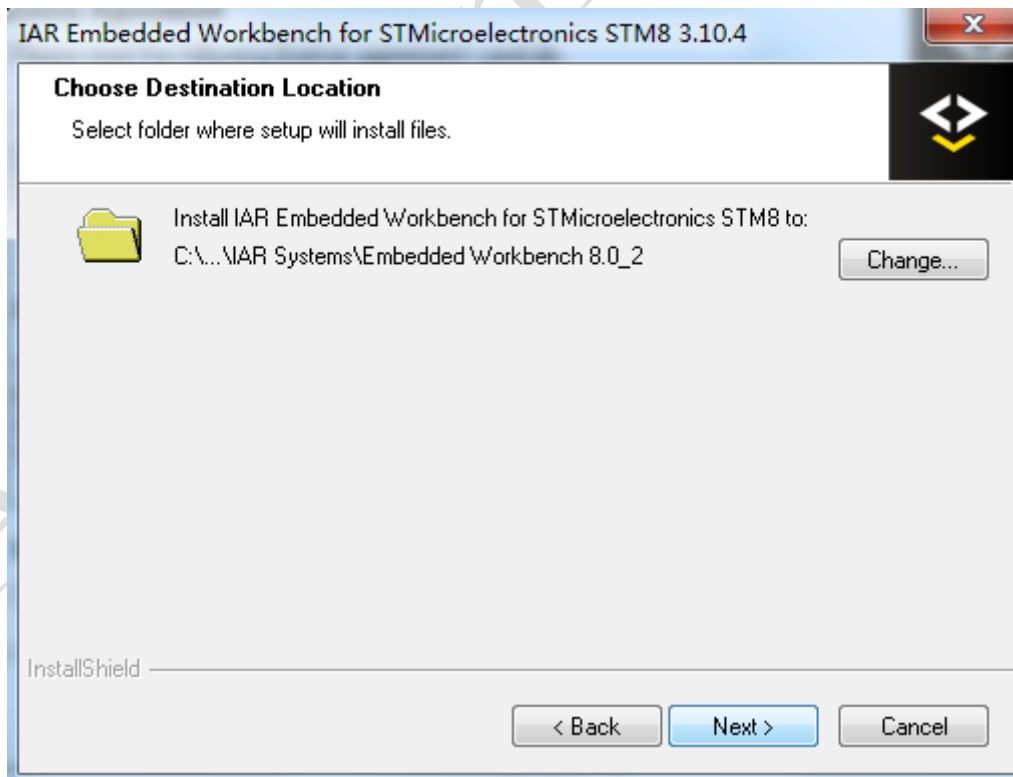
根据安装向导开始安装



选择“I accept...”，然后继续

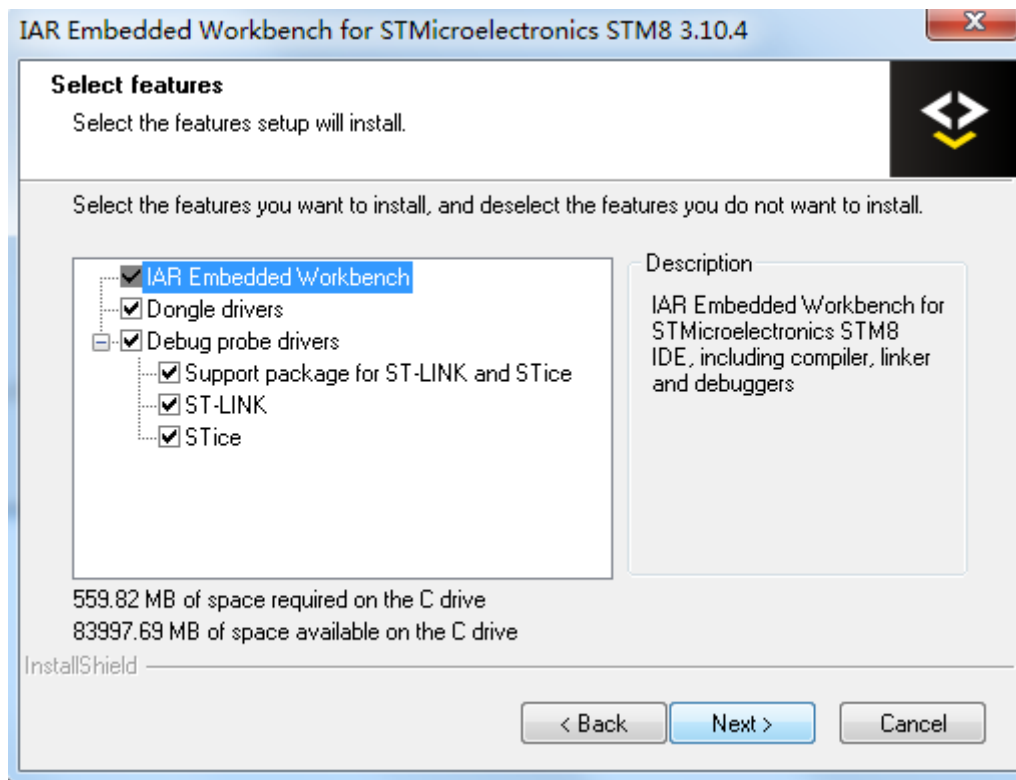


选择安装路径

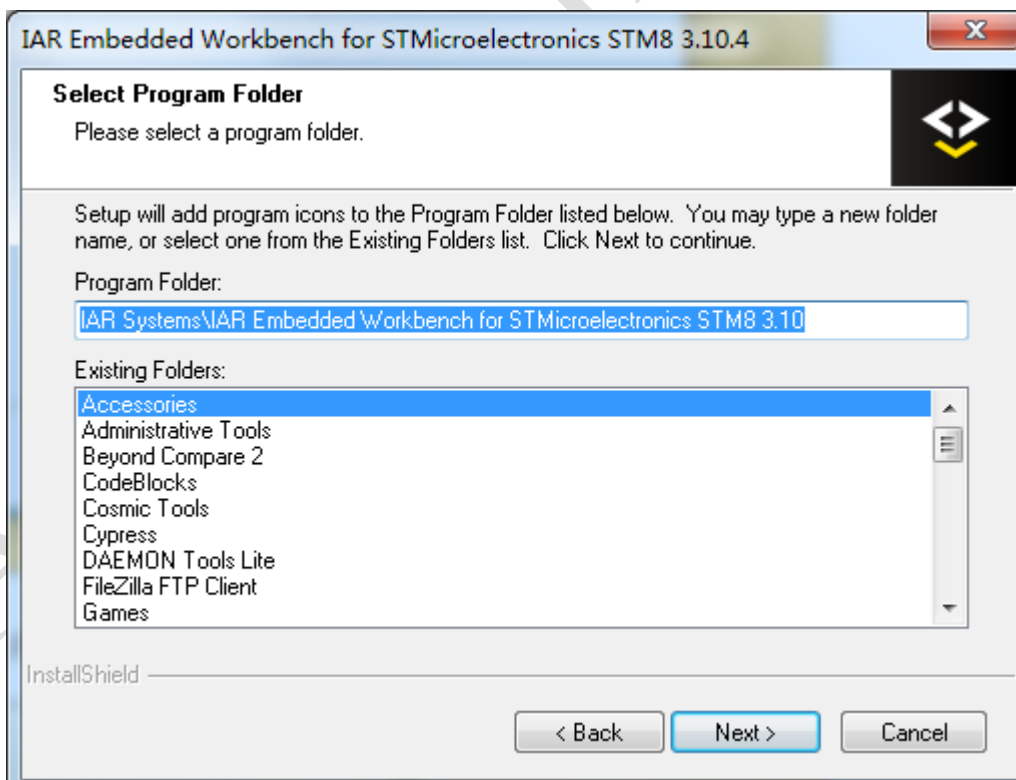


选择安装驱动。

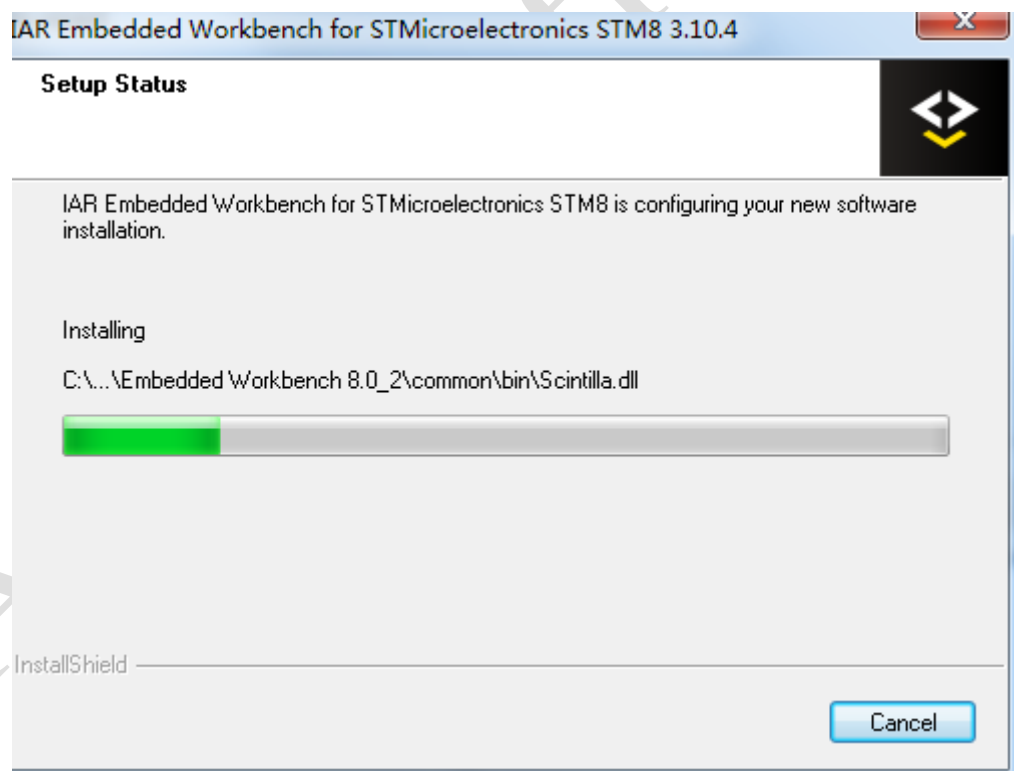
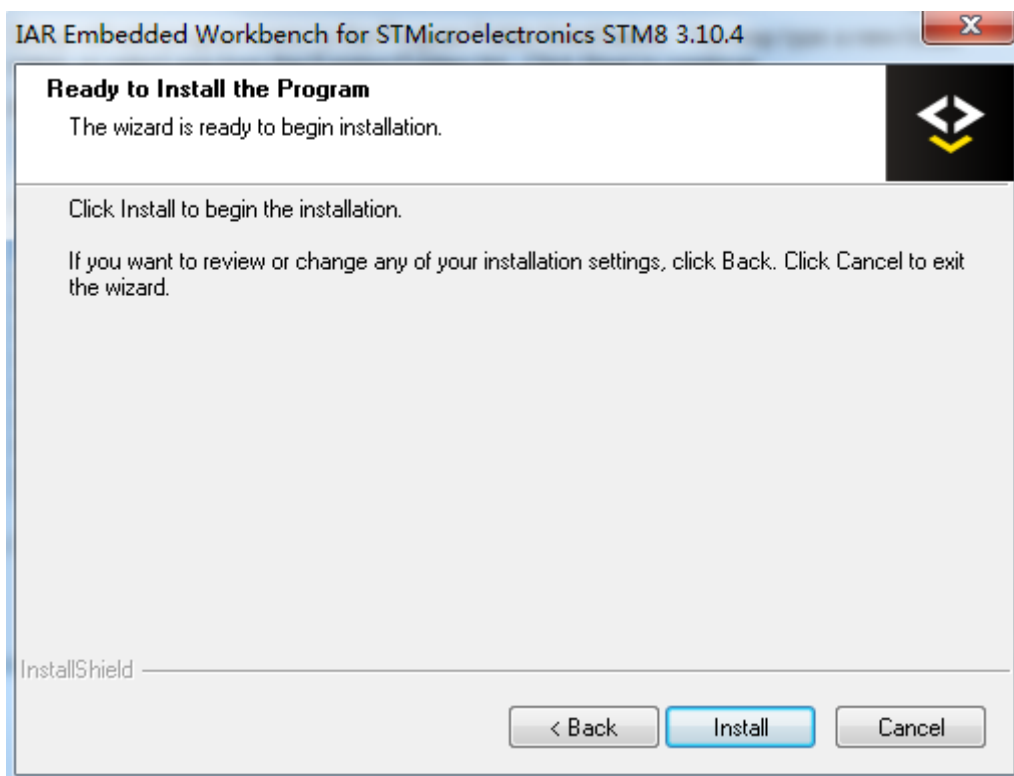




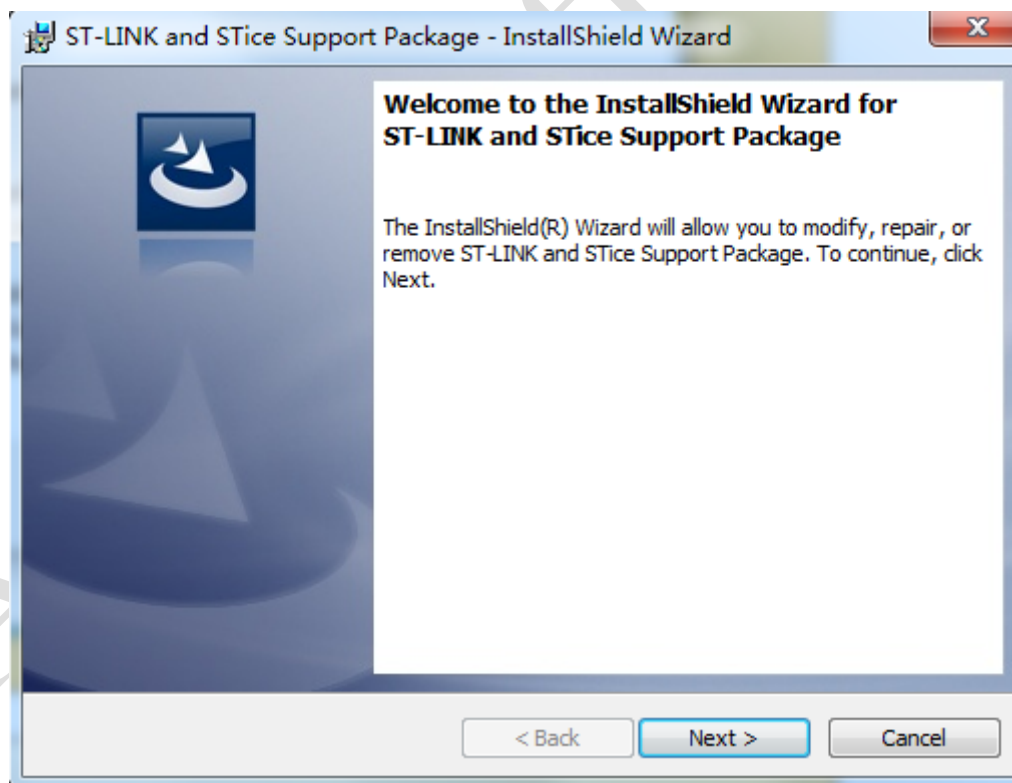
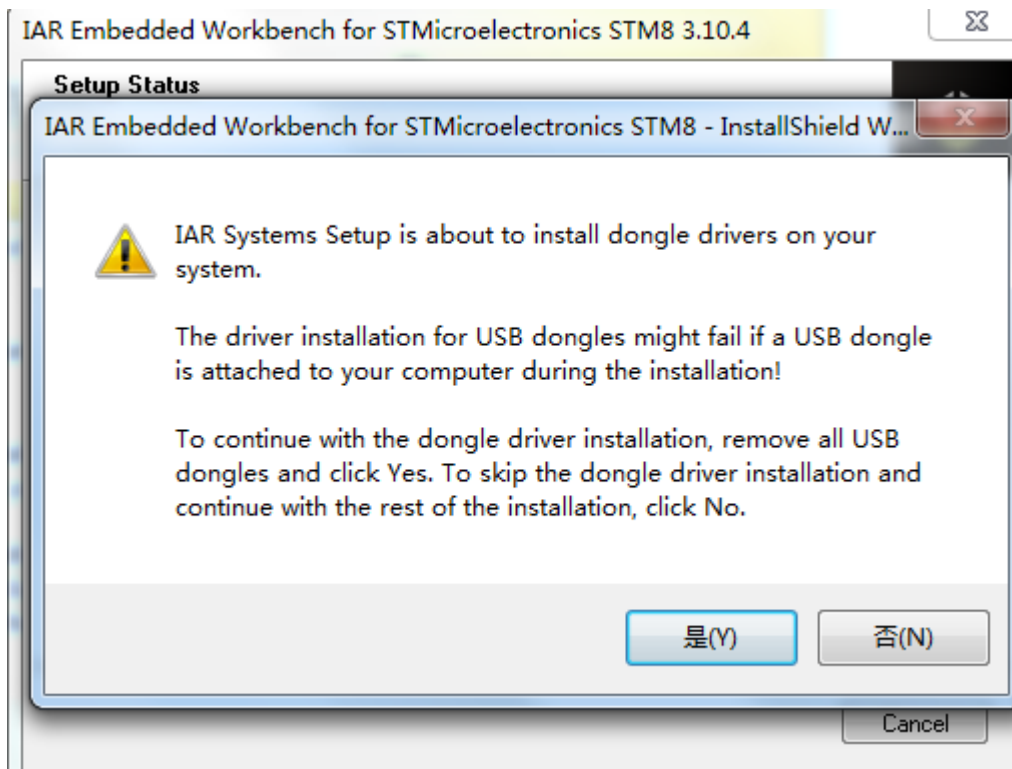
继续。。

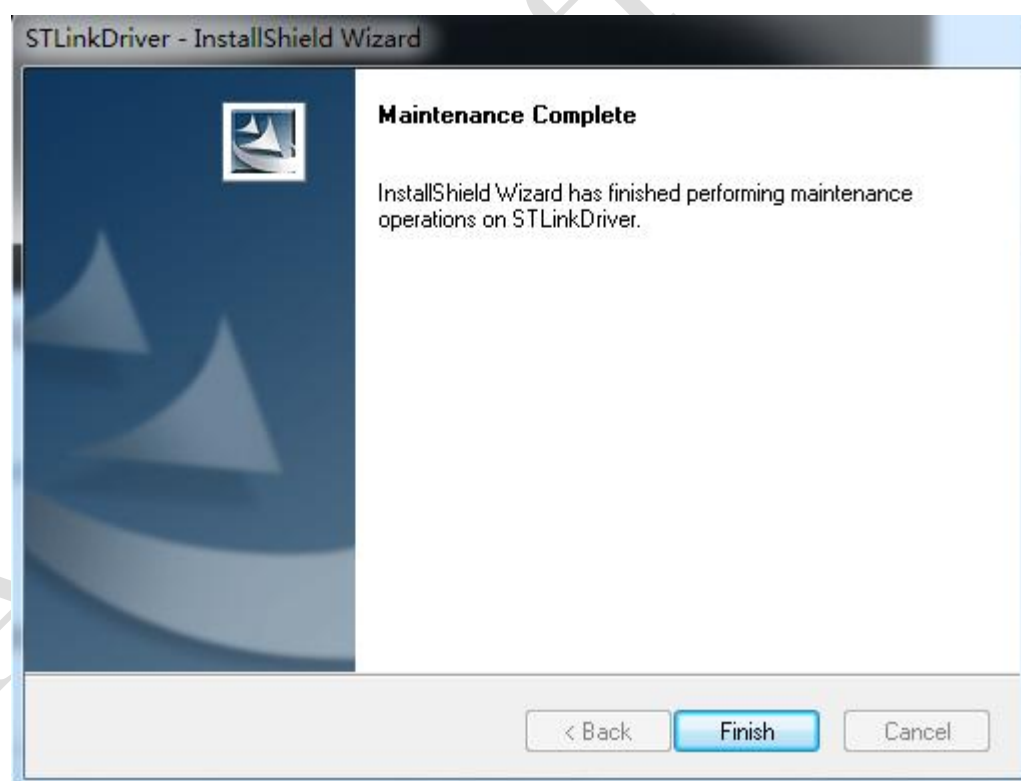
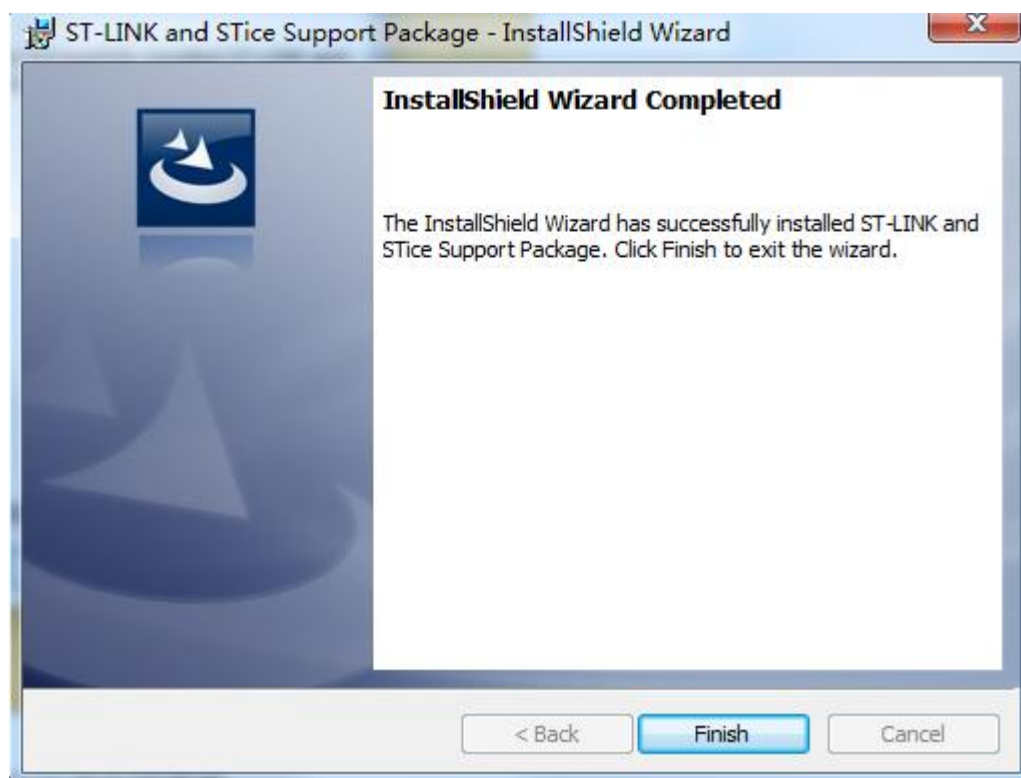


开始安装。

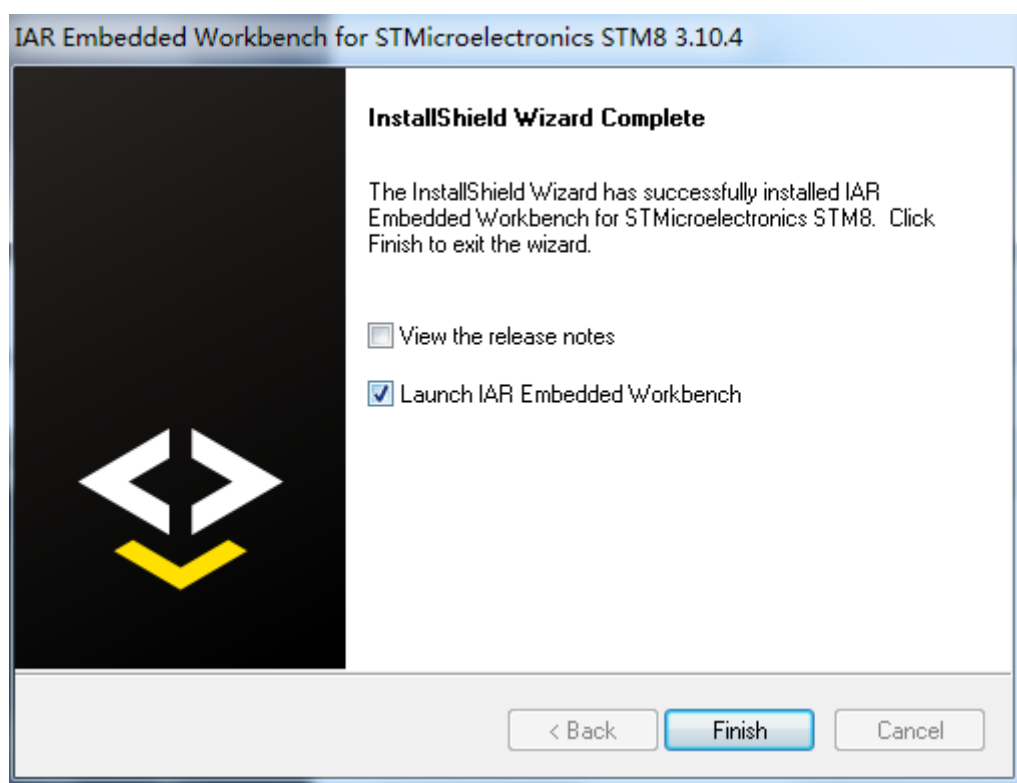


提示安装驱动程序，点“是”





安装成功。



安装完成后，进行 IAR 的注册。