ALINX

Vivado2017.4 Installation

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1   Document Introduction

This document introduce how to install XILINX Vivado2017.4

2   Vivado Introduction

The Vivado Design Suite is an integrated design environment released by FPGA manufacturer Xilinx (XILINX) in 2012. ISE is a previous generation development tool from Vivado and has been discontinued since version 14.7 (corresponding to Vivado 2013.3). Vivado is a next-generation development tool for ISE that runs faster and converges on complex designs. Vivado software can be downloaded from the XILINX official website (www.xilinx.com) or downloaded from the document we provided (or send email to alinx@aithtech.com). The installation of the Vivado 2017.4 software is described below.
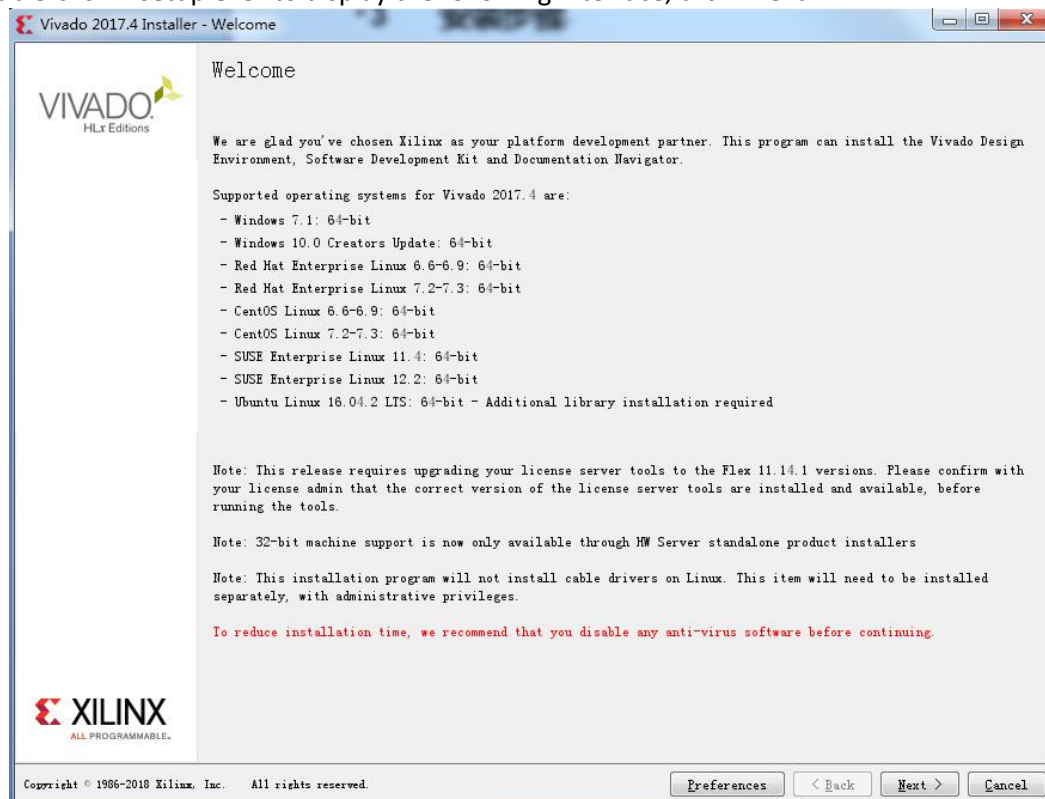
3 Installation steps

3.1 Vivado 2019.1 Installation

In the tutorial, the vivado2017.4 installation process is performed under win7 64-bit. The "xsetup.exe" installation file is found in the decompressed vivado software. **Note: The installation package cannot be extracted to a directory with a Chinese path.**
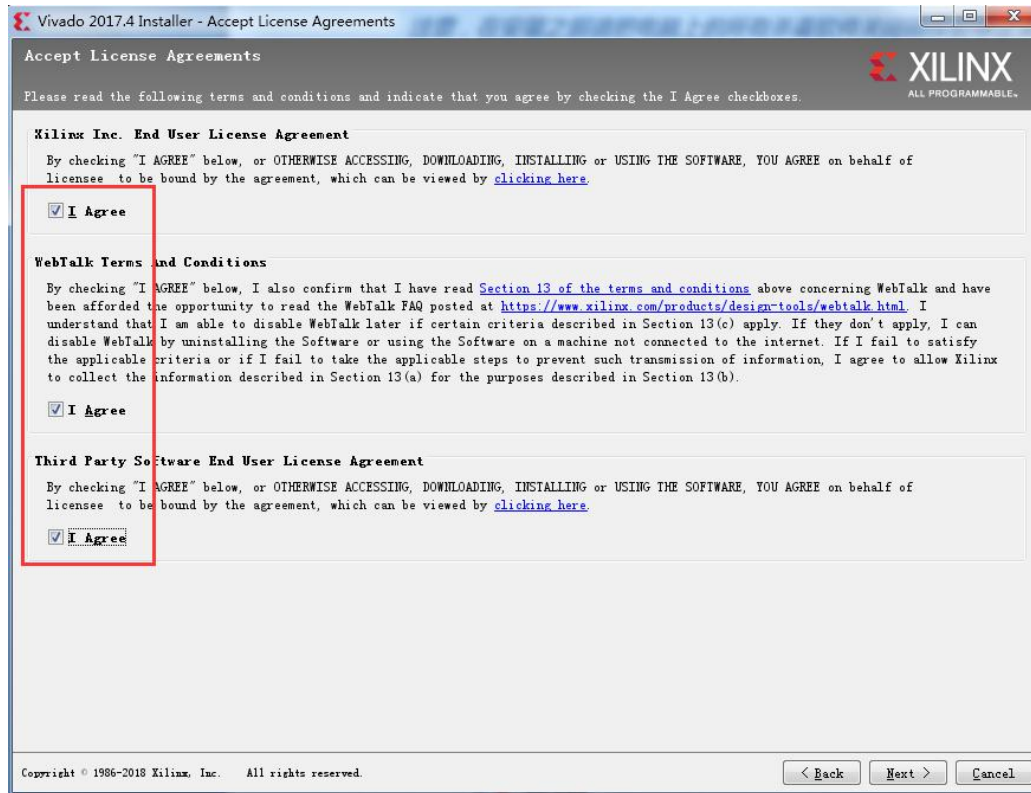
Note: Please turn off all anti-virus software on your computer before installation to ensure normal installation.

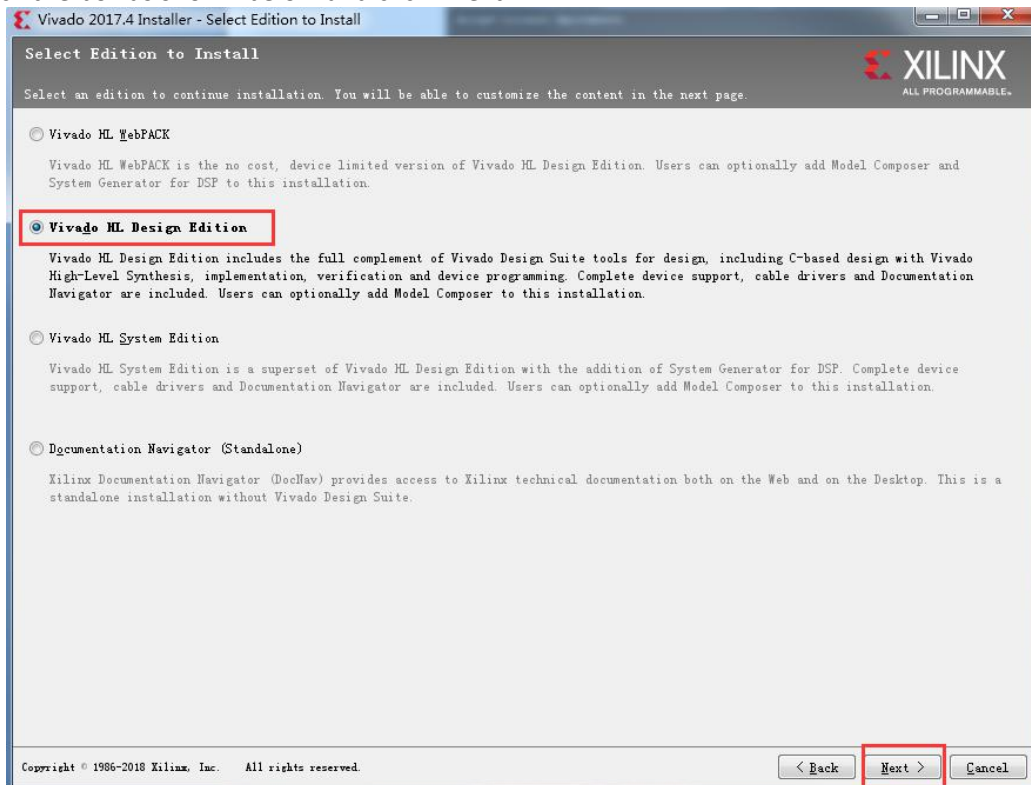|			
concrt140.dll	2017/12/16 12:13	应用程序扩展	240 KB
msvcp140.dll	2017/12/16 12:13	应用程序扩展	433 KB
ucrtbase.dll	2017/12/16 12:13	应用程序扩展	880 KB
vccorlib140.dll	2017/12/16 12:13	应用程序扩展	265 KB
vcruntime140.dll	2017/12/16 12:13	应用程序扩展	84 KB
xsetup	2017/12/16 12:13	文件	3 KB
xsetup.exe	2017/12/16 11:58	应用程序	435 KB

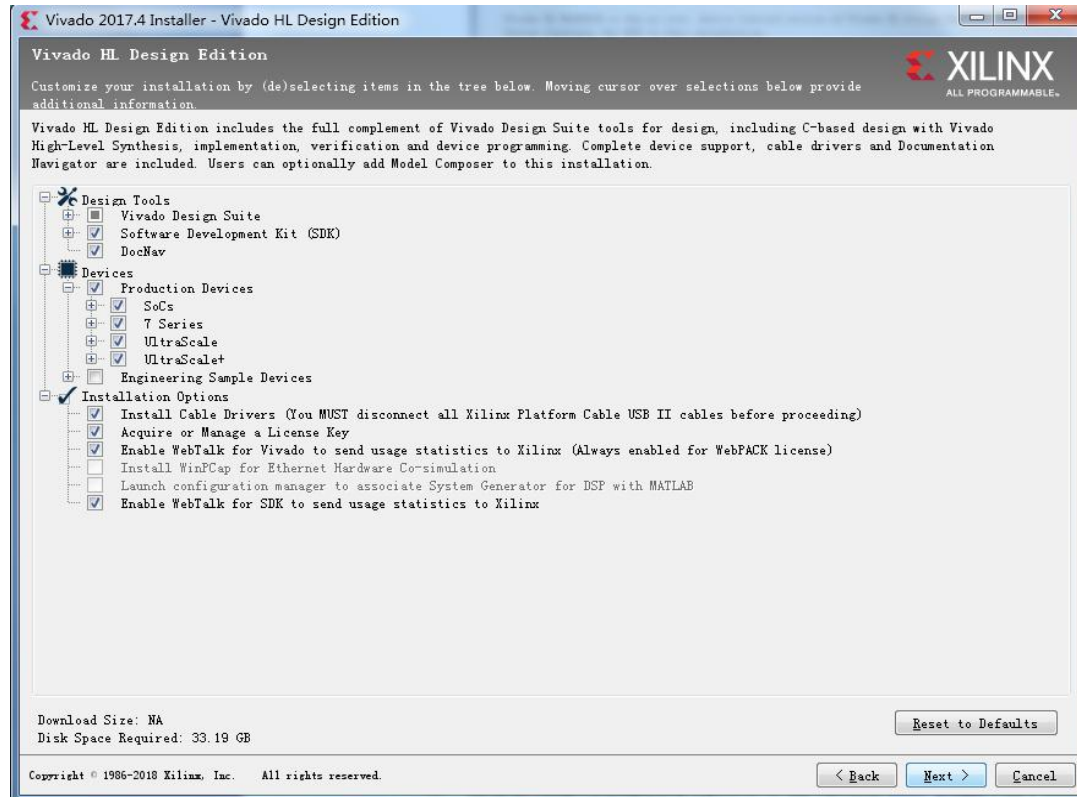1. Double-click "xsetup.exe" to display the following interface, click "Next"

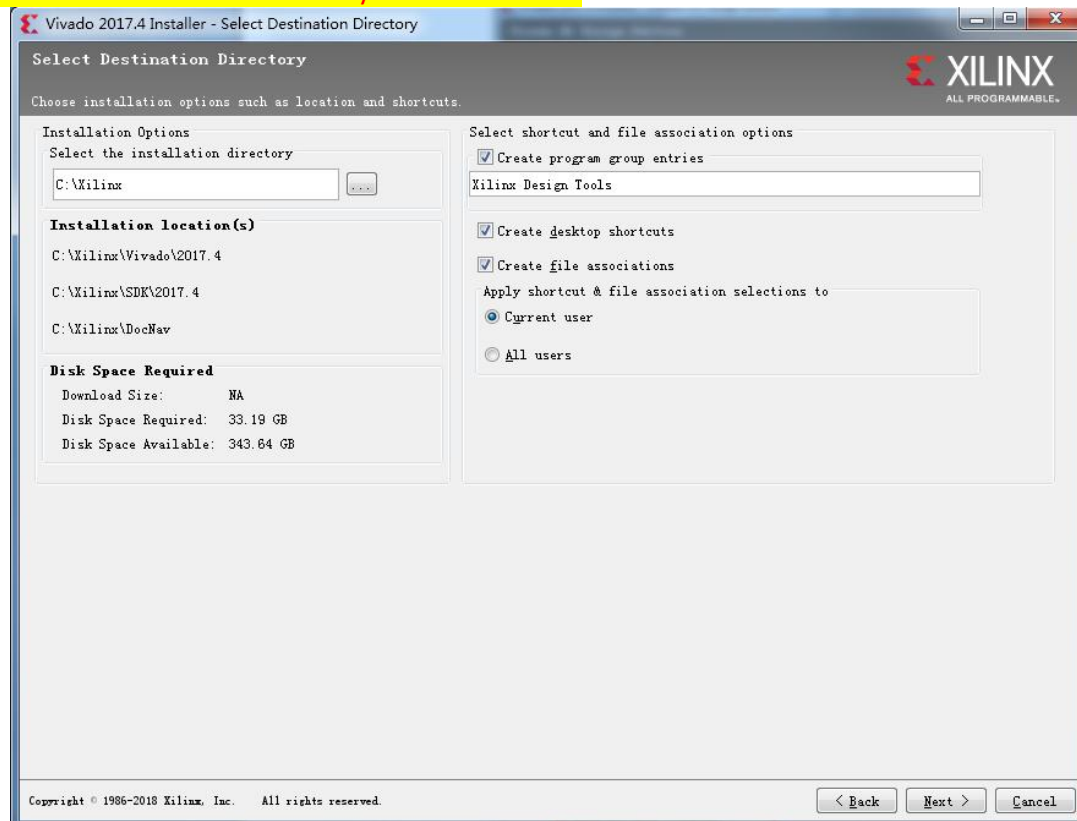2. Select I Agree (as shown below) and click "Next".

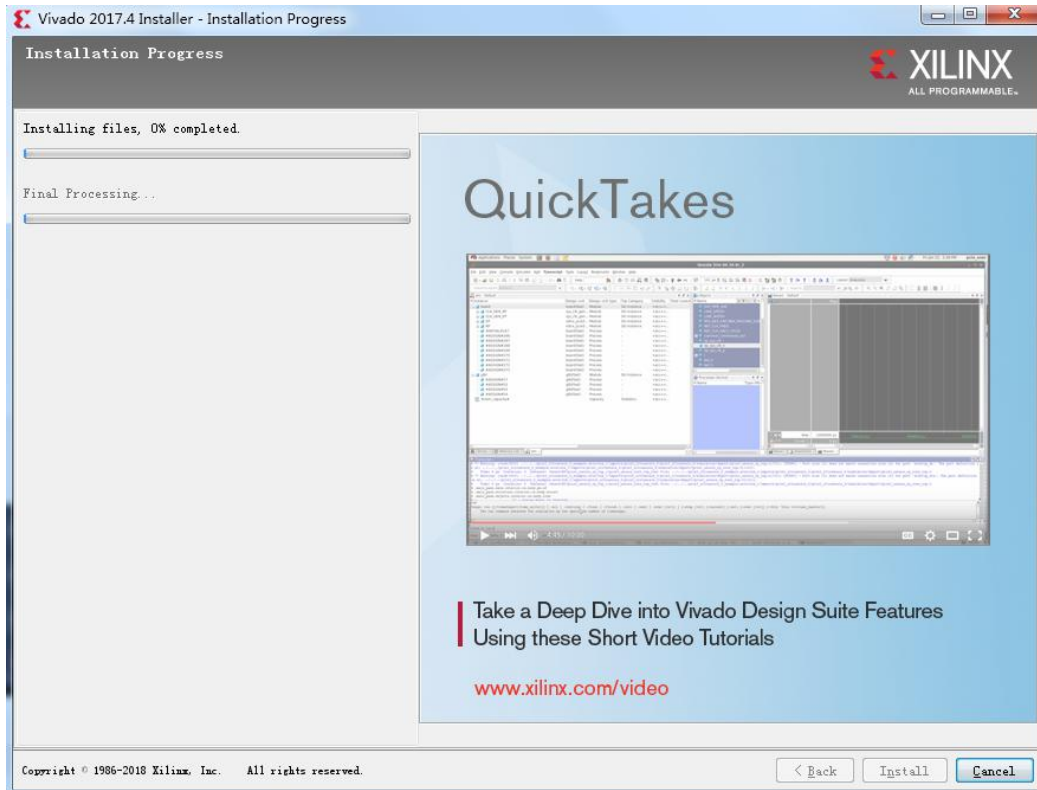3. Check the box as shown below and click "Next"

4. Keep the default tick option here, click "Next"

5. Make sure there is enough space in the selected installation path, keep the default, click "Next". ==If you need to modify the path, you cannot have special characters such as Chinese characters and spaces. At the same time, the user name of the computer cannot have Chinese, otherwise it will not run correctly after installation.==

6. Keep the default interface in the following interface, the installation takes a while, please be patient.

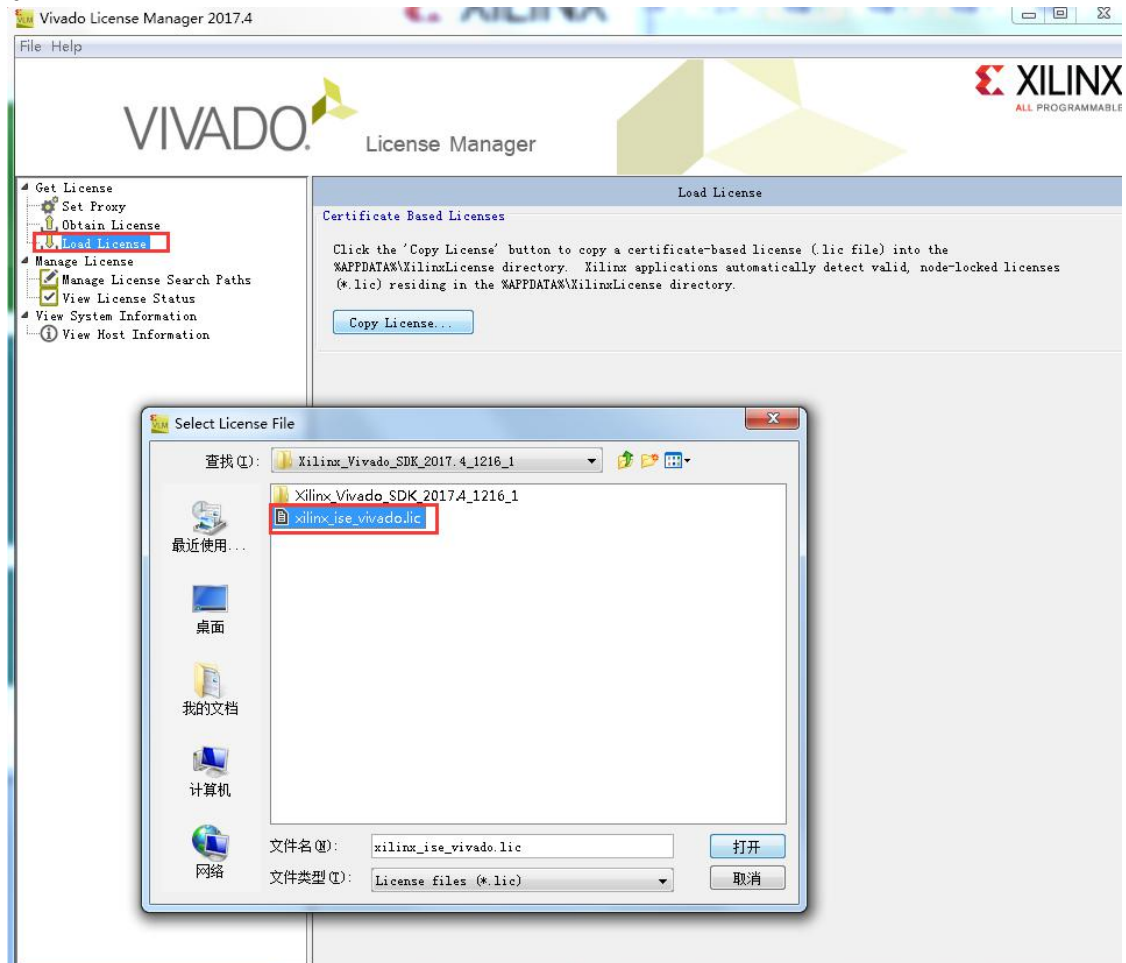7. After the following interface pops up during the installation process, click "OK" to continue.

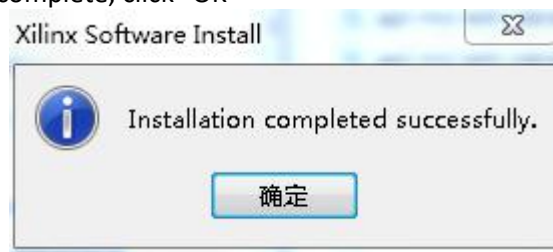8. After the following interface pops up during the installation process, click "Install" to continue.

9. Install the license and find the xilinx_ise_vivado.lic file in document provide (if not have, send email to rachel.zhou@alinx.com.cn) to install it.

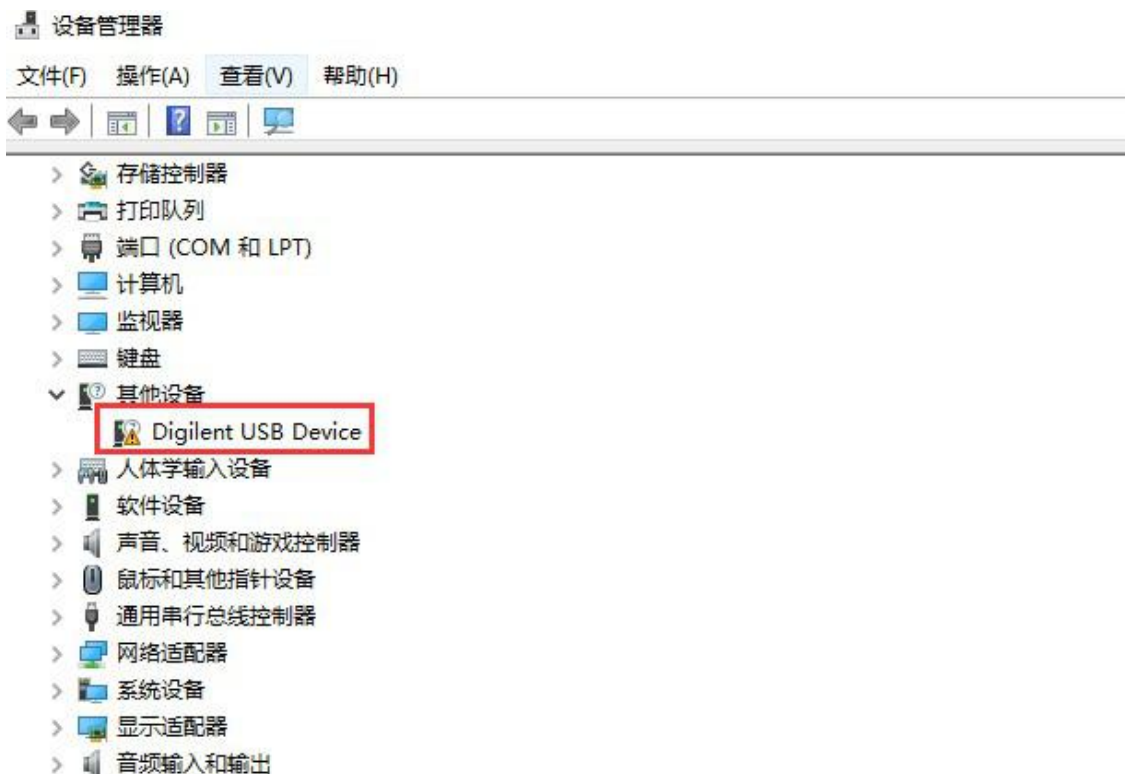10. After the installation is complete, click "OK"

11. The following icon will appear on the desktop after the installation is complete.

12. At this point, VIVADO can work normally after installation, because the download driver of the FPGA is also automatically installed, which can be found in the device manager. The following figure shows the success and failure of the driver installation. When the downloader driver fails to install. After that, please refer to Section 3.2 for installation.

The driver was successfully installed.

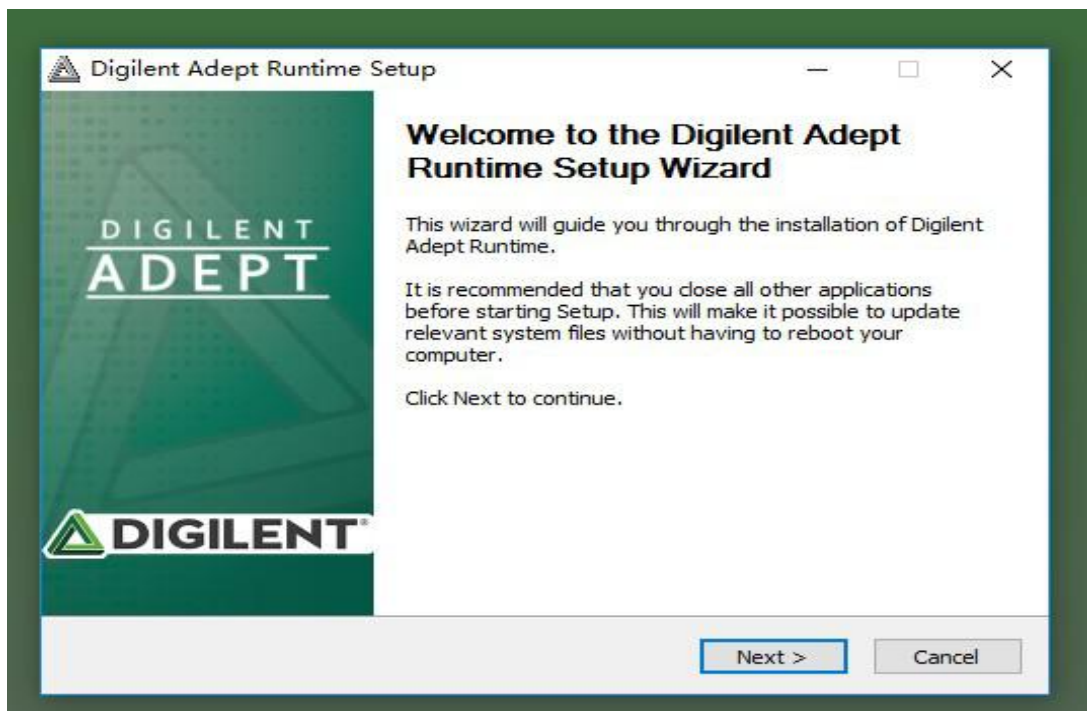Driver installation failed

3.2 Downloader driver installation

1) Locate the "install_digilent.exe" application in the software installation directory path. Here the default installation path is as shown in the figure below.

2) After double-clicking install_digilent.exe, the installation interface will pop up, click "Yes" to start the
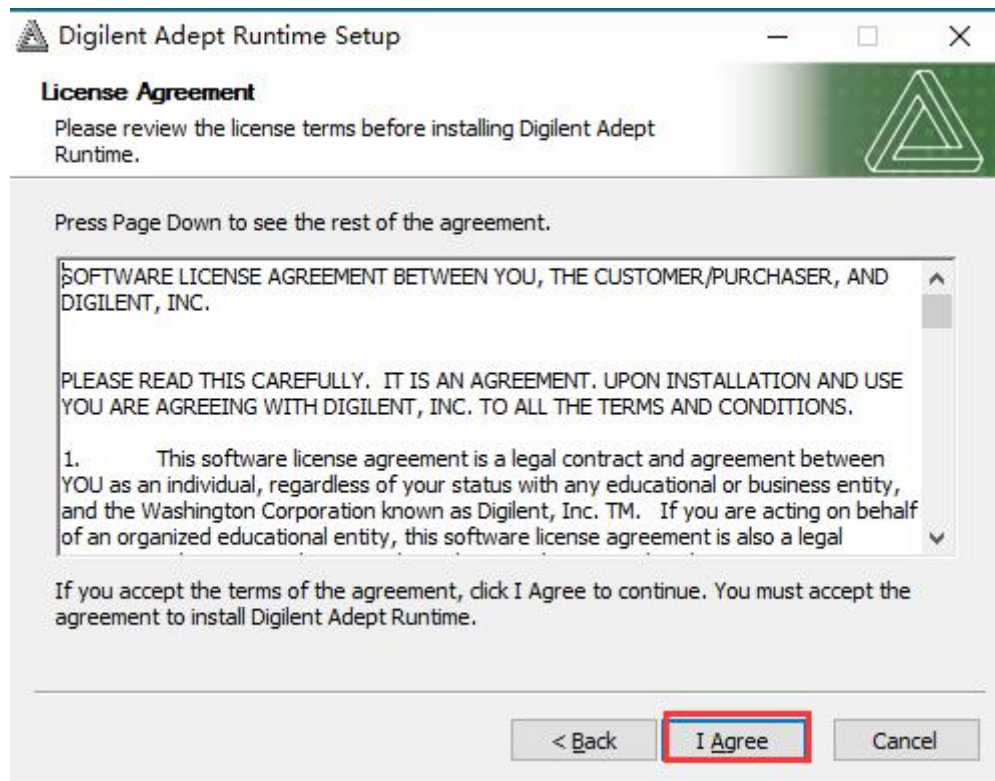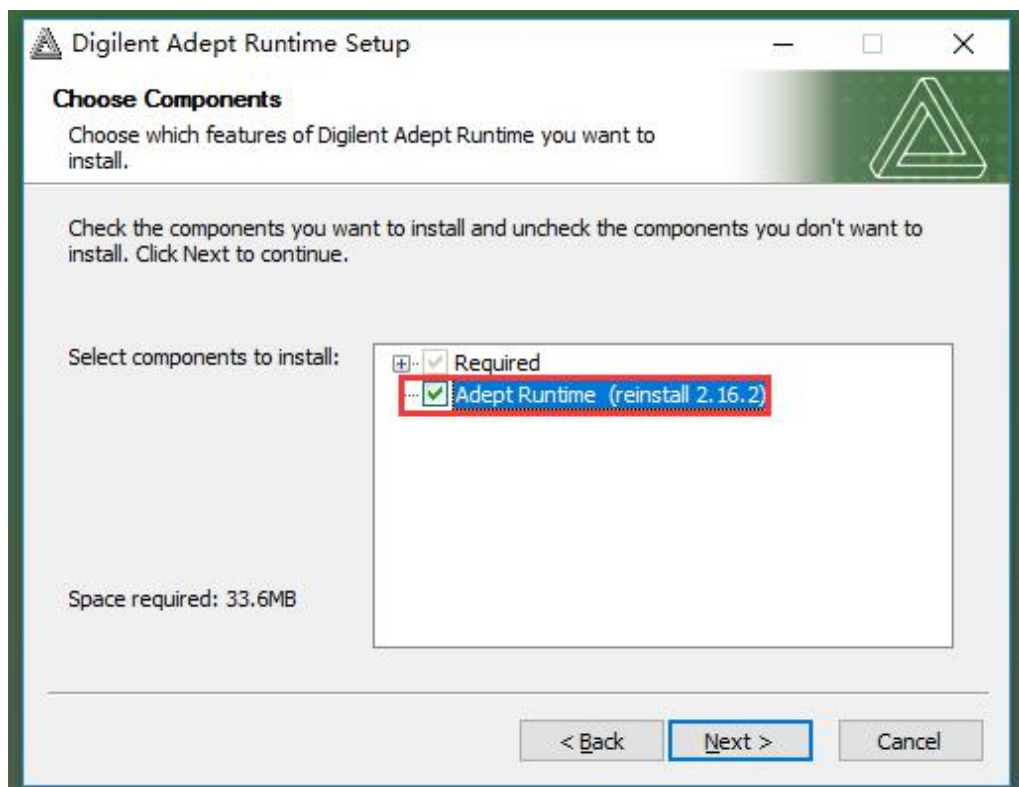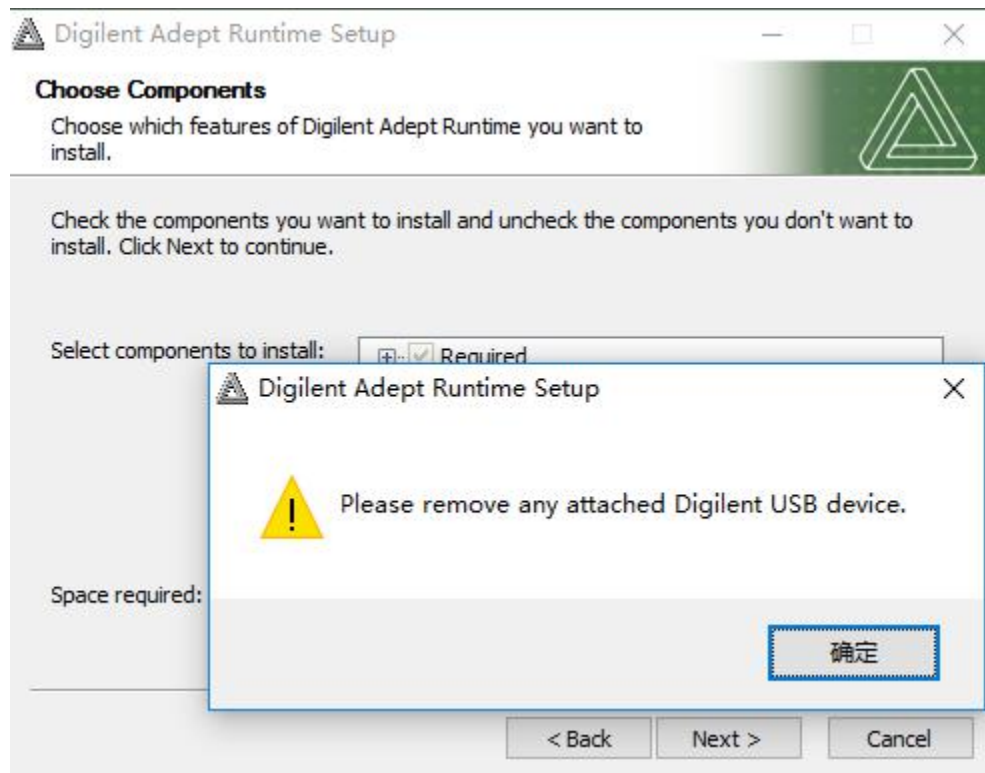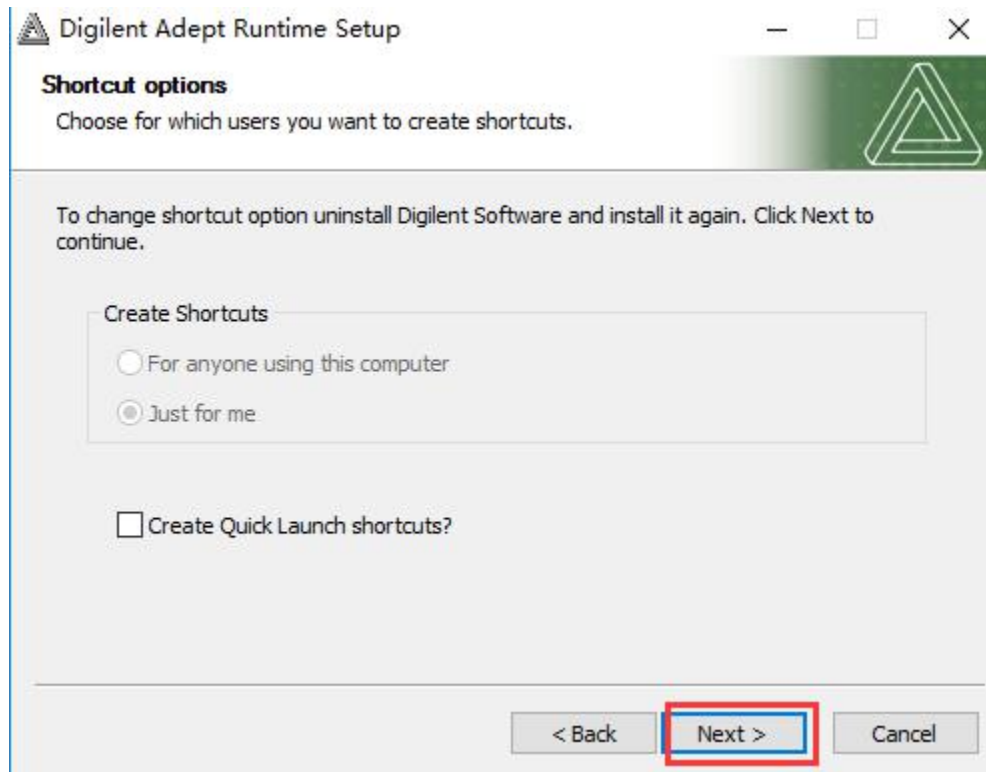installation

3) Click "Next"

4) Click "I Agree"

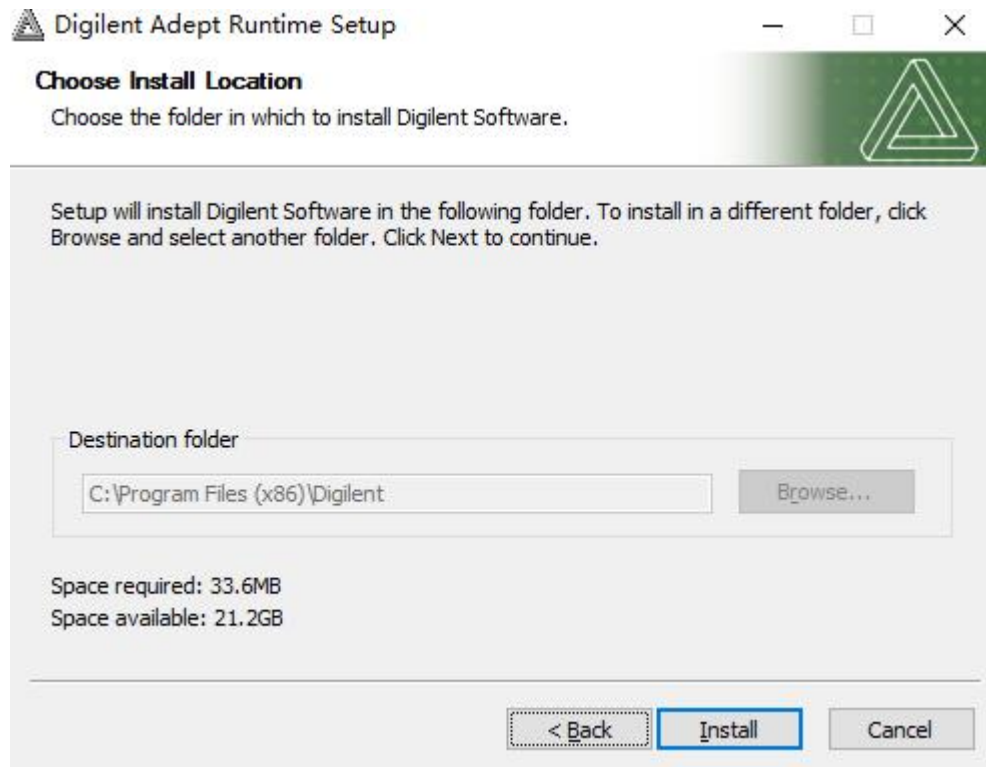5) Check the options in the image below and click "Next"

6) Prompt you to unplug the Xilinx USB Cable, confirm that the downloader of the USB cable connected to your computer is unplugged, click "OK"

7) The default setting here, do not create a shortcut, click "Next"

8) Click the "Install" button

9) Until the installation is complete, click on "finish".

10) Connect the computer and downloader with the USB cable. You can find the USB Serial Converter device in the device manager. As shown in the figure below, the driver is installed.