

## Xilinx SDK 2019.1 Quick install guide

0. Keep **PYNQ OFF** or **USB cable disconnected** during installation.

1. Start the installation by opening the file from Moodle:

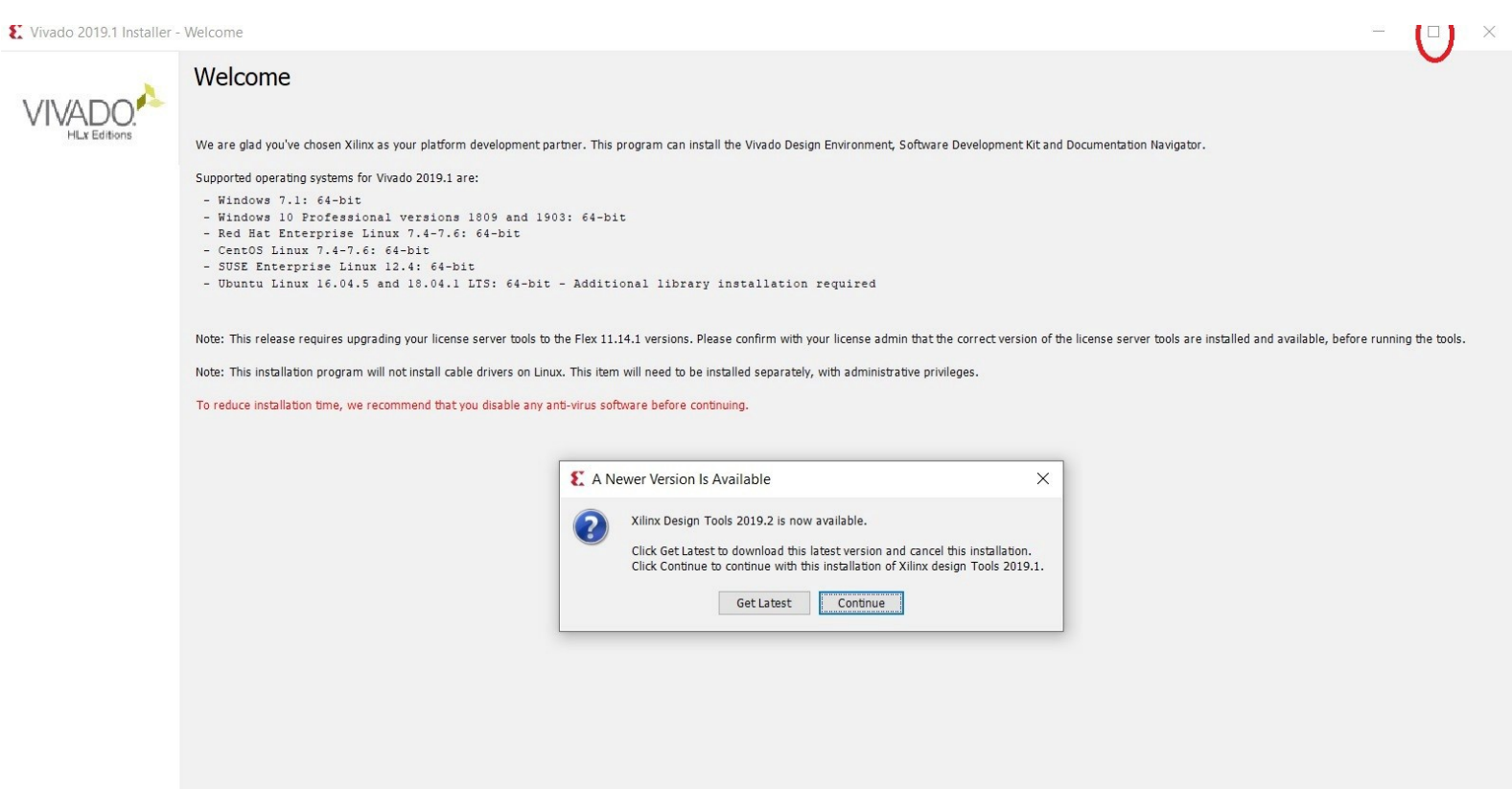
*Xilinx\_Vivado\_SDK\_Web\_2019.1\_0524\_1430\_Win64.exe*

Other versions (Linux, and older 2017.2 which is at TC219 are available at

<https://www.xilinx.com/support/download/index.html/content/xilinx/en/downloadNav/vivado-design-tools/archive.html>

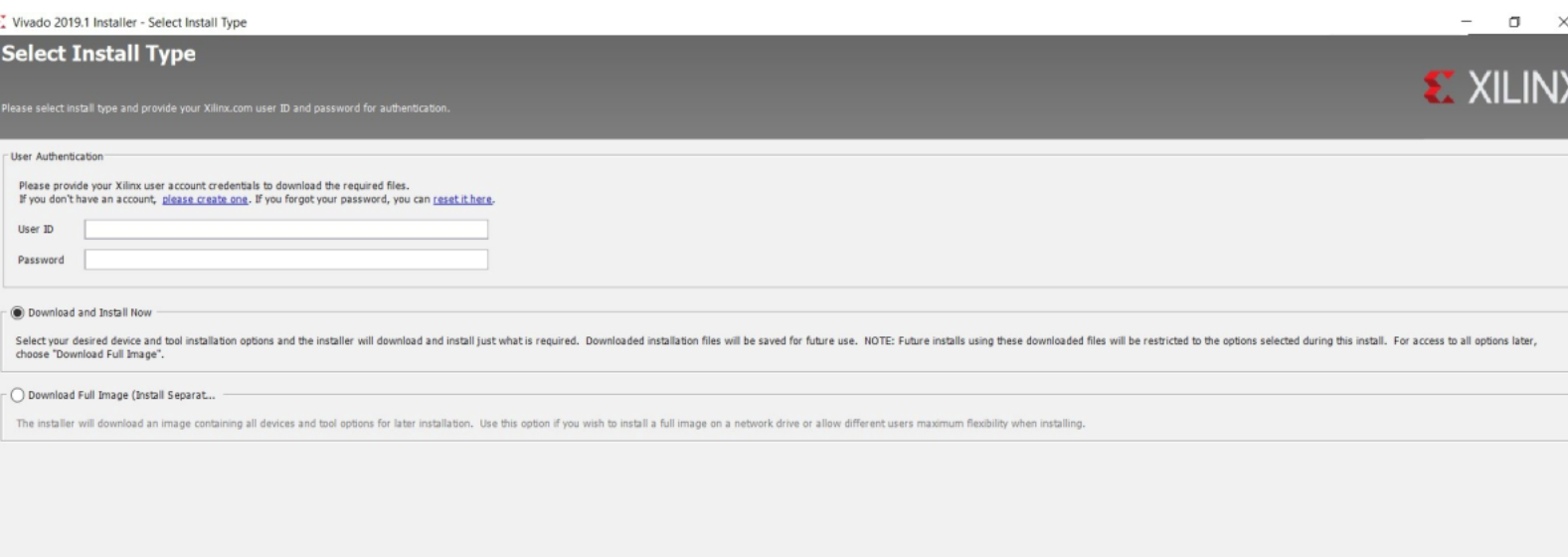
It might take 1-2 min for the installer to open.

2. Click **Continue** (ignore newer version) and then **Next**. If **Next** does not show up, put the installer to full screen mode.



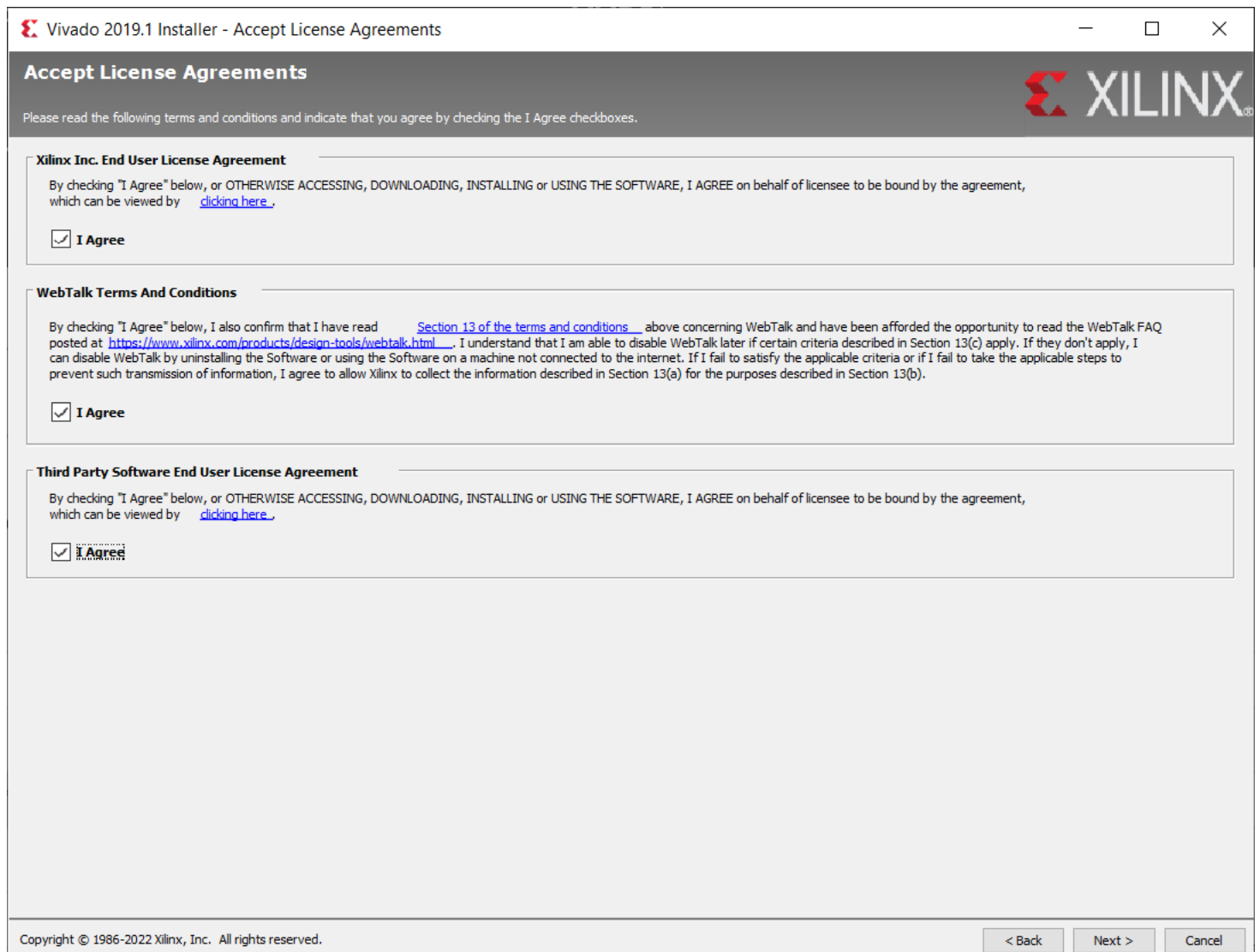
3. Create an account to Xilinx services (if you have not already).

**NOTE: Fill all the required fields in the Xilinx account profile page (<https://www.xilinx.com/myprofile/edit-profile.html>), otherwise the installer may give an authentication error. After that, input your credentials to the installer (User ID is e-mail address). Keep the selection as “Download and Install Now”.**



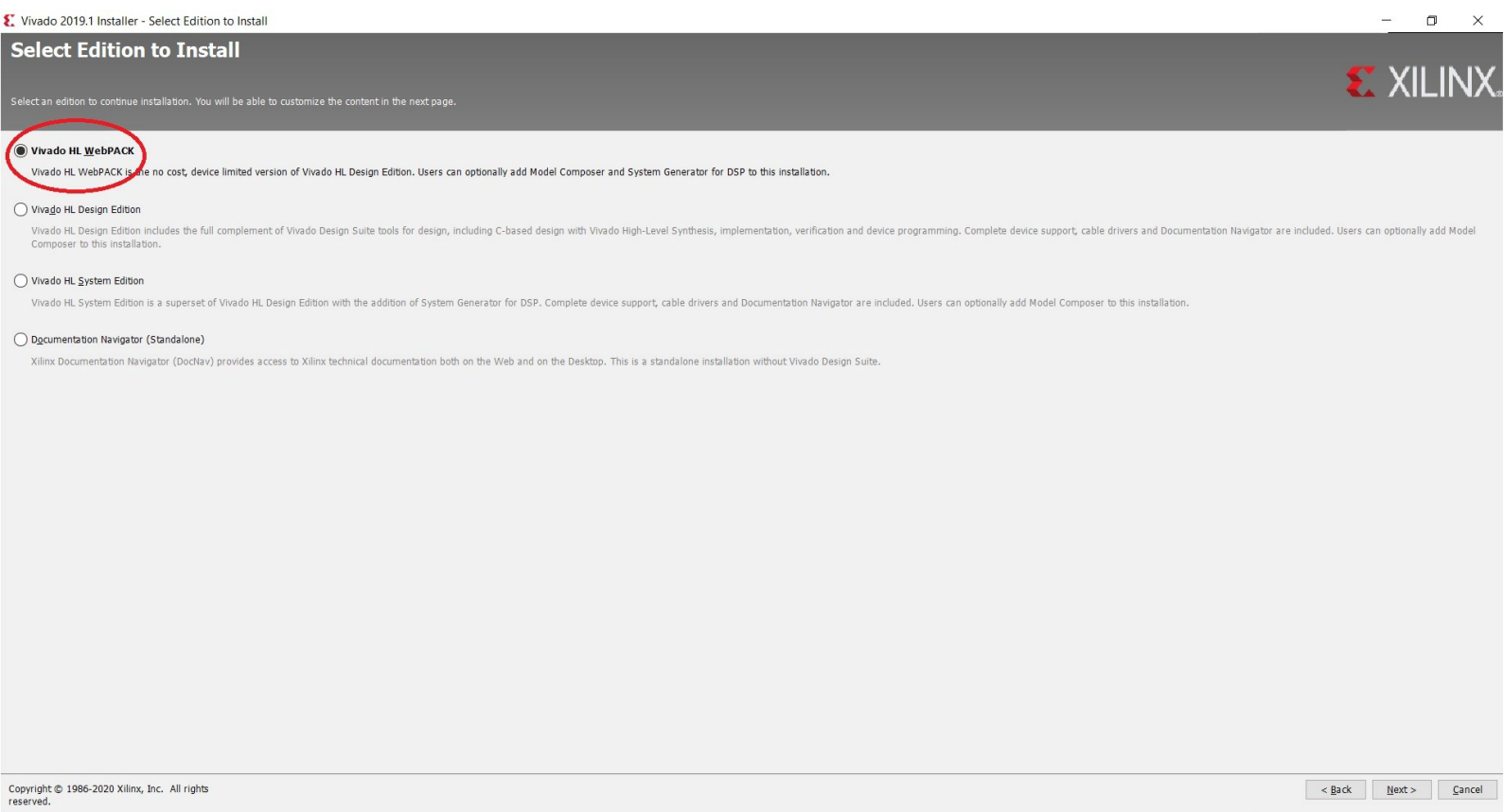
The screenshot shows the 'Select Install Type' window of the Vivado 2019.1 Installer. The window has a dark header with the Xilinx logo and the title 'Vivado 2019.1 Installer - Select Install Type'. Below the header, there is a section for 'User Authentication' with a text box for 'User ID' and a password field. Below this, there are two radio button options: 'Download and Install Now' (which is selected) and 'Download Full Image (Install Separat...'. The 'Download and Install Now' option is accompanied by a detailed note about the installation process and future restrictions.

4. Agree all the license terms.

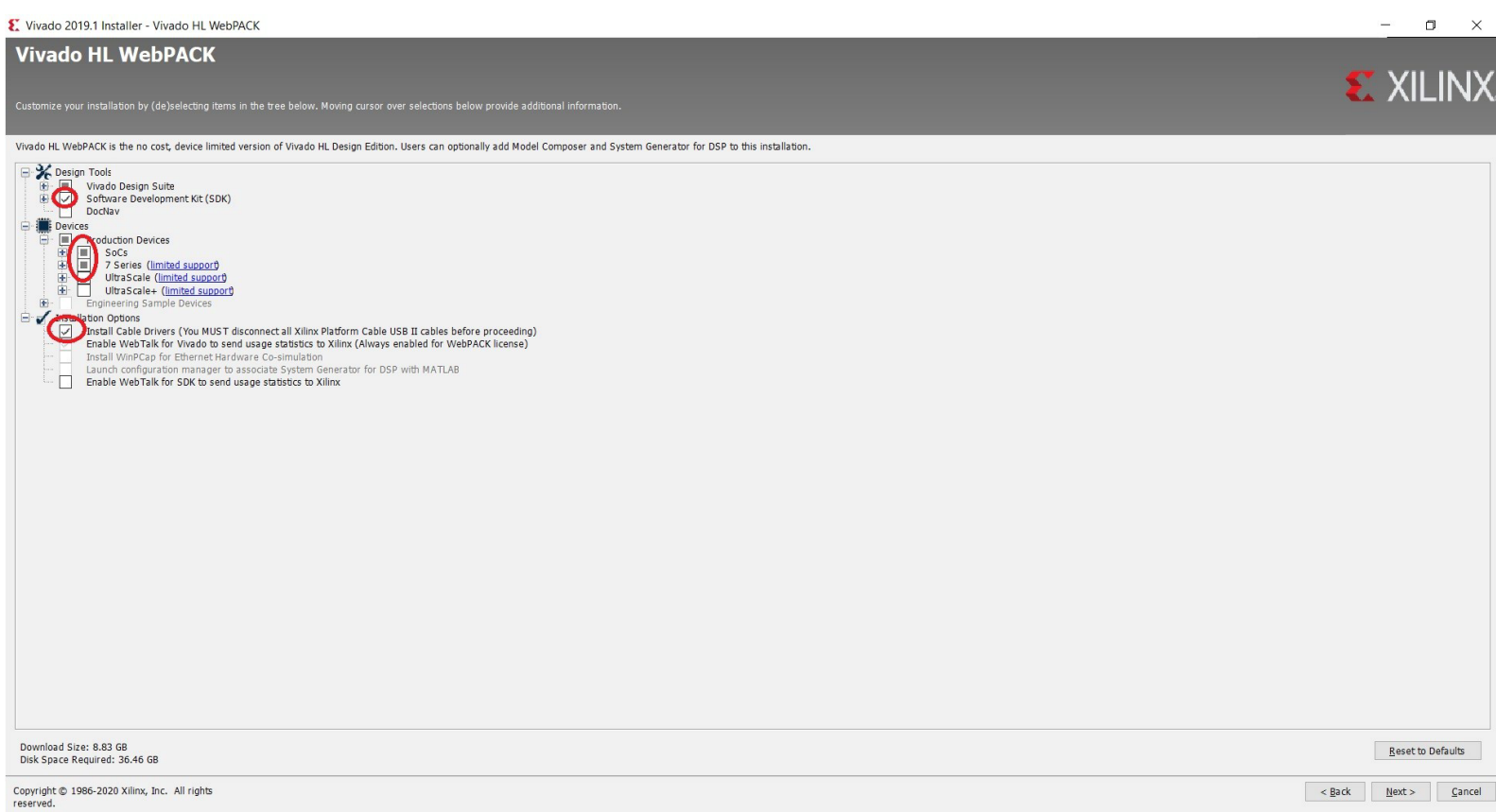


The screenshot shows the 'Accept License Agreements' window of the Vivado 2019.1 Installer. The window has a dark header with the Xilinx logo and the title 'Vivado 2019.1 Installer - Accept License Agreements'. Below the header, there is a section for 'Xilinx Inc. End User License Agreement' with a checkbox labeled 'I Agree' that is checked. Below this, there is a section for 'WebTalk Terms And Conditions' with a checkbox labeled 'I Agree' that is checked. Below this, there is a section for 'Third Party Software End User License Agreement' with a checkbox labeled 'I Agree' that is checked. At the bottom of the window, there are three buttons: '< Back', 'Next >', and 'Cancel'.


## 5. Choose Vivado HL WebPACK



6. Ensure that you have selected the items with **red circles** in the figure below.



## 7. Choose an installation location. By default, the installation will go to C: drive.

 Vivado 2019.1 Installer - Select Destination Directory

**Select Destination Directory**

Choose installation options such as location and shortcuts.

**Installation Options**

Select the installation directory

C:\Xilinx\...

**Installation location(s)**

C:\Xilinx\Vivado\2019.1

C:\Xilinx\SDK\2019.1

**Download location**

C:\Xilinx\Downloads\Vivado\_2019.1

**Disk Space Required**

Download Size:	8.83 GB
Disk Space Required:	36.46 GB
Final Disk Usage:	21.94 GB
Disk Space Available:	338.12 GB

**Select shortcut and file association options**

☒ Create program group entries

Xilinx Design Tools

☒ Create desktop shortcuts

☒ Create file associations

Apply shortcut & file association selections to


☒ Current user

☐ All users

Copyright © 1986-2020 Xilinx, Inc. All rights reserved.

< Back Next > Cancel

## 8. If the Summary looks good, click **Install**.

 Vivado 2019.1 Installer - Installation Summary

**Installation Summary**

**Edition: Vivado HL WebPACK**

**Devices**

- Production Devices (SoCs, 7 Series)

**Design Tools**

- Vivado Design Suite (Vivado)
- Software Development Kit (SDK) (SDK Core Tools, Compiler Tool Chains)

**Installation Options**

- Enable WebTalk for Vivado to send usage statistics to Xilinx (Always enabled for WebPACK license)
- Install Cable Drivers (You MUST disconnect all Xilinx Platform Cable USB II cables before proceeding)

**Installation location**

- C:\Xilinx\Vivado\2019.1
- C:\Xilinx\SDK\2019.1

**Download location**

- C:\Xilinx\Downloads\Vivado\_2019.1

**Disk Space Required**

Download Size:	8.83 GB
Disk Space Required:	36.46 GB
Final Disk Usage:	21.94 GB

Copyright © 1986-2020 Xilinx, Inc. All rights reserved.

Preferences < Back **Install** Cancel

9. It might take a while for the installation to complete. About 40 min depending on the internet connection speed.

10. When the installation is complete, connect PYNQ to your computer with a micro-USB cable and turn in ON. **NOTE:** Follow the exercise guide according to your situation, e.g. you do not have access to University's P: network drive, so download and install the exercise package to a location which **DOES NOT** contain spaces. Xilinx SDK might not work correctly if there are spaces in the file path.