

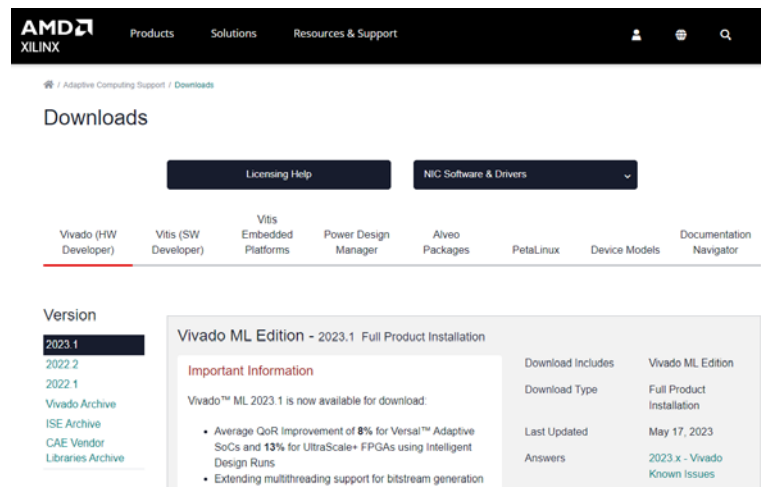


A guide to install Vivado 2022.1

1. Download the installer

1.1 Go to the website: <https://www.xilinx.com/support/download.html>

1.2 Choose the version of 2022.1.



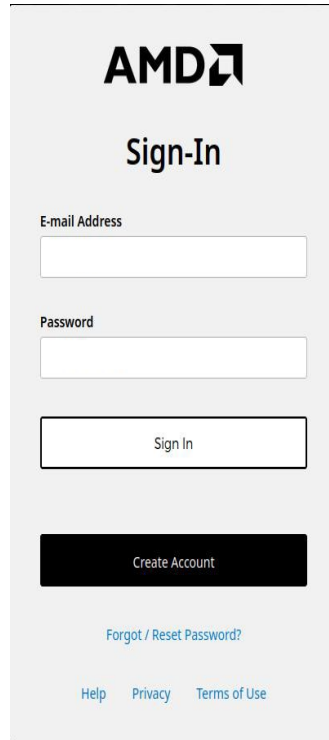
1.3 Choose one of the package according to your operating system.

1.4 Before download, create an Account and sign in.

1.5 Fill in necessary information to download

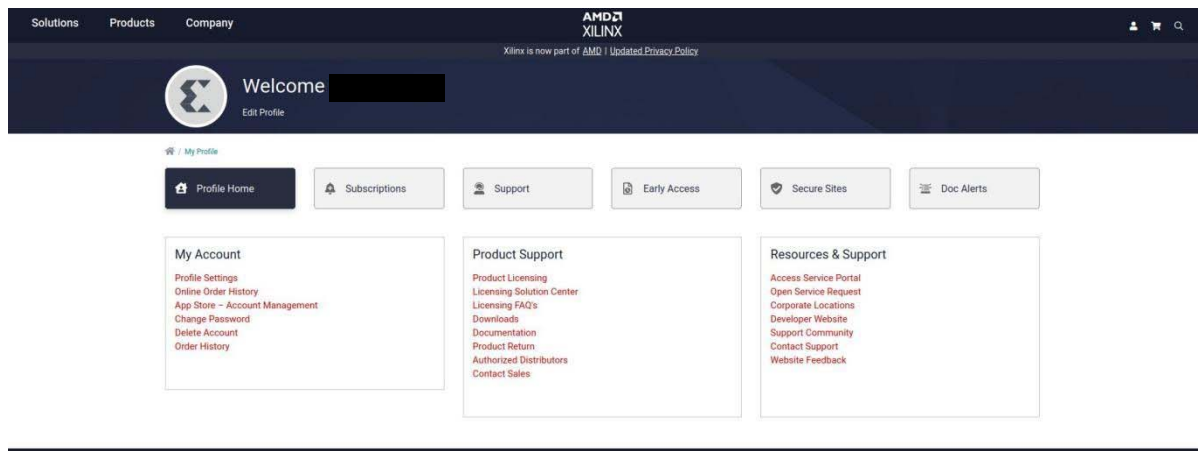
2. Install the package

2.1 Login again



The image shows the AMD Sign-In page. At the top is the AMD logo. Below it is the text "Sign-In". There are two input fields: "E-mail Address" and "Password". Below these is a "Sign In" button. Below the "Sign In" button is a "Create Account" button. At the bottom, there is a link "Forgot / Reset Password?" and three links: "Help", "Privacy", and "Terms of Use".

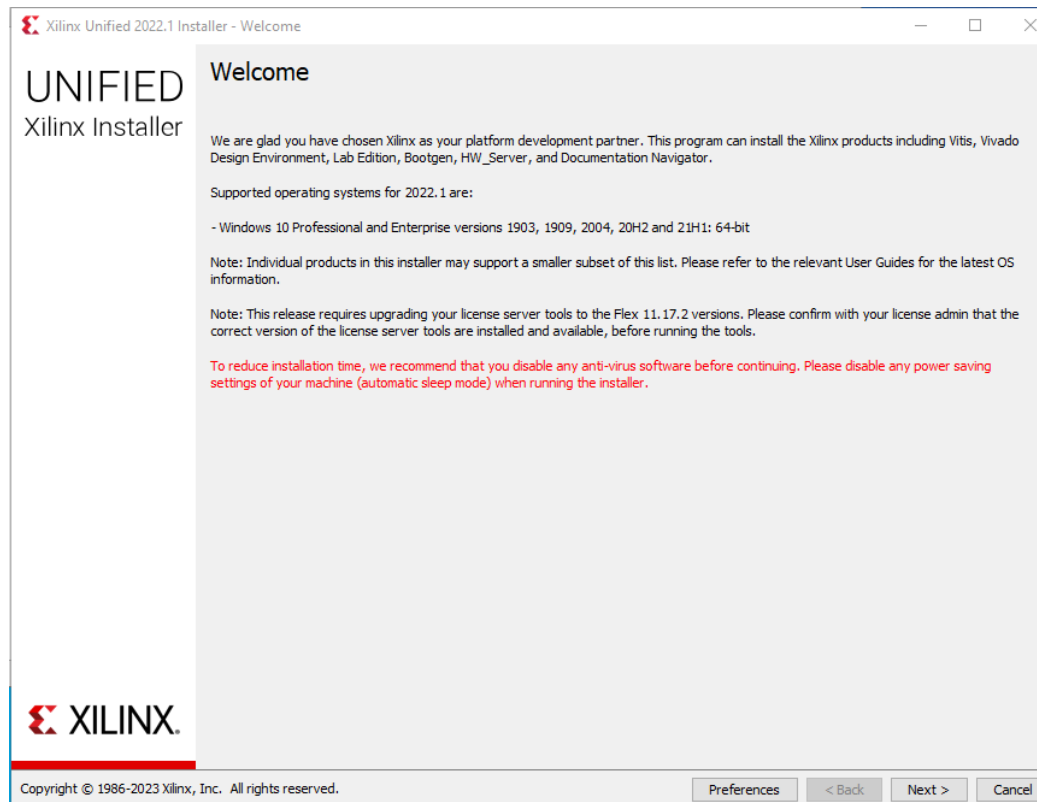
2.2 Click the Edit Profile



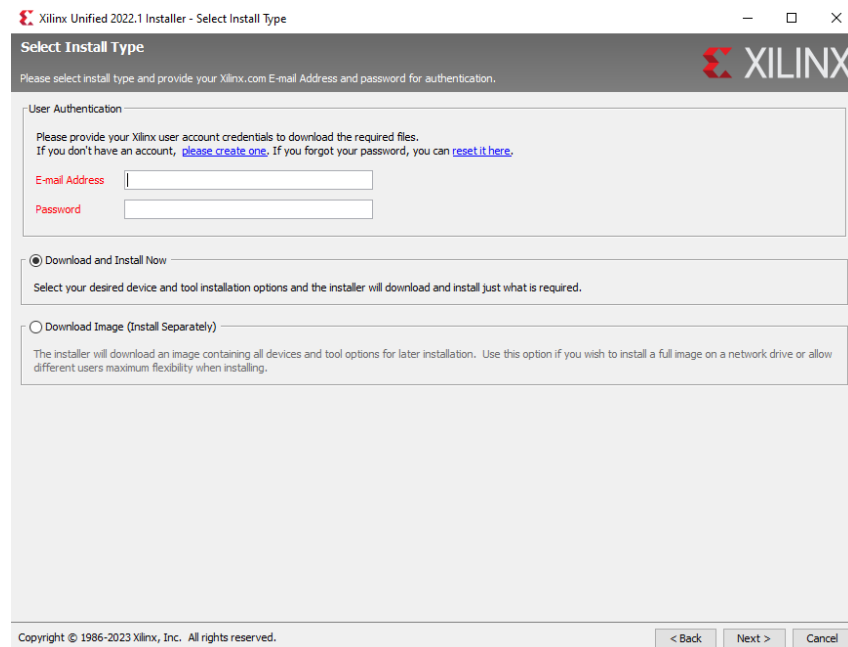
2.3 Fill the information like following, this is important.

First Name*	Last Name*
<input type="text"/>	<input type="text"/>
Business E-mail*	
<input type="text"/>	
Company Name*	
<input type="text" value="HKUST"/>	
<small>Please enter the name of your business or institution.</small>	
Address 1*	
<input type="text" value="Clear Water Bay, Sai Kung, New Territories, Hong Kong"/>	
<small>Please enter your Company Address.</small>	
Address 2	
<input type="text"/>	
Location*	State/Province
<input type="text" value="Hong Kong"/>	<input type="text" value="New Territories"/>
City*	Postal Code
<input type="text" value="Hong Kong"/>	<input type="text" value="000000"/>
Phone	
<input type="text"/>	
Job Function*	
<input type="text" value="Student"/>	
Captcha*	
<input type="text"/>	af7c3
<input type="button" value="refresh"/>	
<input type="checkbox"/>	
<small>You can read about how we handle your personal data, your personal data rights, and how you can contact us in our privacy policy.</small>	
<input type="button" value="Update"/>	

2.4 Run the package, and Next



2.5 Fill the Account and Next (This is why step 2.1 – 2.3 are important)



The screenshot shows the 'Select Install Type' window of the Xilinx Unified 2022.1 Installer. The window has a title bar with the Xilinx logo and the text 'Xilinx Unified 2022.1 Installer - Select Install Type'. Below the title bar is a dark header with the Xilinx logo and the text 'XILINX'. The main content area is divided into sections. The first section is 'User Authentication' with a sub-header 'Please select install type and provide your Xilinx.com E-mail Address and password for authentication.' It contains a text box for 'E-mail Address' and a password field for 'Password'. Below this is a section with two radio buttons: 'Download and Install Now' (selected) and 'Download Image (Install Separately)'. The 'Download and Install Now' section has a sub-header 'Select your desired device and tool installation options and the installer will download and install just what is required.' The 'Download Image (Install Separately)' section has a sub-header 'The installer will download an image containing all devices and tool options for later installation. Use this option if you wish to install a full image on a network drive or allow different users maximum flexibility when installing.' At the bottom of the window is a footer with the text 'Copyright © 1986-2023 Xilinx, Inc. All rights reserved.' and three buttons: '< Back', 'Next >', and 'Cancel'.

Xilinx Unified 2022.1 Installer - Select Install Type

Select Install Type

Please select install type and provide your Xilinx.com E-mail Address and password for authentication.

User Authentication

Please provide your Xilinx user account credentials to download the required files.
If you don't have an account, [please create one](#). If you forgot your password, you can [reset it here](#).

E-mail Address

Password

☒ **Download and Install Now**

Select your desired device and tool installation options and the installer will download and install just what is required.

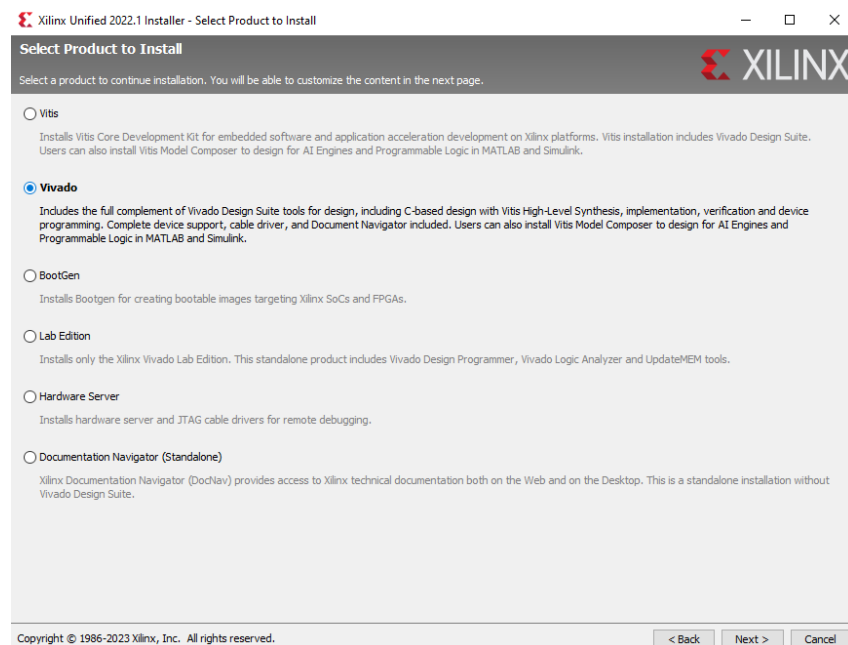
☐ **Download Image (Install Separately)**

The installer will download an image containing all devices and tool options for later installation. Use this option if you wish to install a full image on a network drive or allow different users maximum flexibility when installing.

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< Back Next > Cancel

2.6 Choose Vivado and Next



The screenshot shows the 'Select Product to Install' window of the Xilinx Unified 2022.1 Installer. The window has a title bar with the Xilinx logo and the text 'Xilinx Unified 2022.1 Installer - Select Product to Install'. Below the title bar is a dark header with the Xilinx logo and the text 'XILINX'. The main content area is divided into sections. The first section is 'Select Product to Install' with a sub-header 'Select a product to continue installation. You will be able to customize the content in the next page.' It contains a list of products with radio buttons: 'Vitis', 'Vivado' (selected), 'BootGen', 'Lab Edition', 'Hardware Server', and 'Documentation Navigator (Standalone)'. Each product has a brief description. At the bottom of the window is a footer with the text 'Copyright © 1986-2023 Xilinx, Inc. All rights reserved.' and three buttons: '< Back', 'Next >', and 'Cancel'.

Xilinx Unified 2022.1 Installer - Select Product to Install

Select Product to Install

Select a product to continue installation. You will be able to customize the content in the next page.

☐ **Vitis**

Installs Vitis Core Development Kit for embedded software and application acceleration development on Xilinx platforms. Vitis installation includes Vivado Design Suite. Users can also install Vitis Model Composer to design for AI Engines and Programmable Logic in MATLAB and Simulink.

☒ **Vivado**

Includes the full complement of Vivado Design Suite tools for design, including C-based design with Vitis High-Level Synthesis, implementation, verification and device programming. Complete device support, cable driver, and Document Navigator included. Users can also install Vitis Model Composer to design for AI Engines and Programmable Logic in MATLAB and Simulink.

☐ **BootGen**

Installs Bootgen for creating bootable images targeting Xilinx SoCs and FPGAs.

☐ **Lab Edition**

Installs only the Xilinx Vivado Lab Edition. This standalone product includes Vivado Design Programmer, Vivado Logic Analyzer and UpdateMEM tools.

☐ **Hardware Server**

Installs hardware server and JTAG cable drivers for remote debugging.

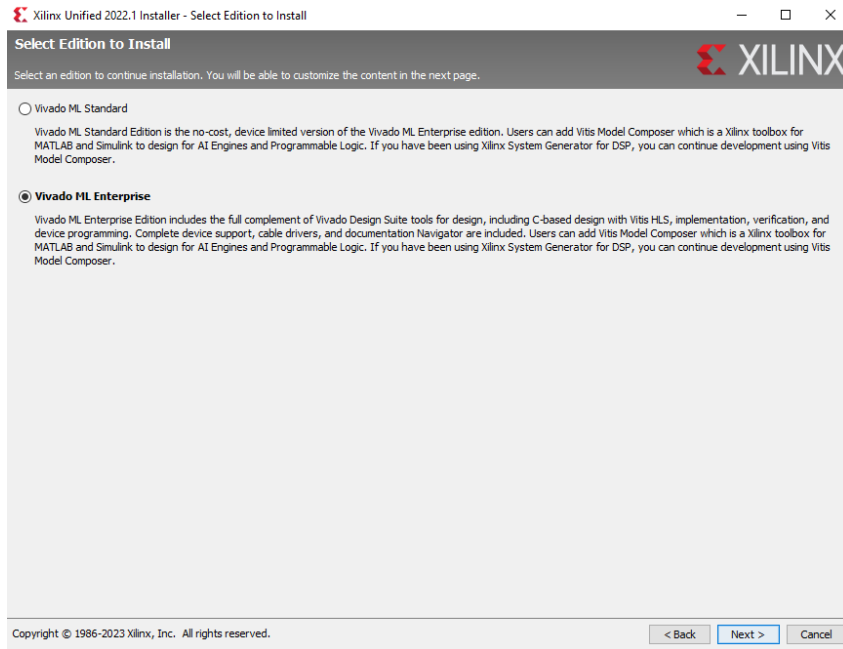
☐ **Documentation Navigator (Standalone)**

Xilinx Documentation Navigator (DocNav) provides access to Xilinx technical documentation both on the Web and on the Desktop. This is a standalone installation without Vivado Design Suite.

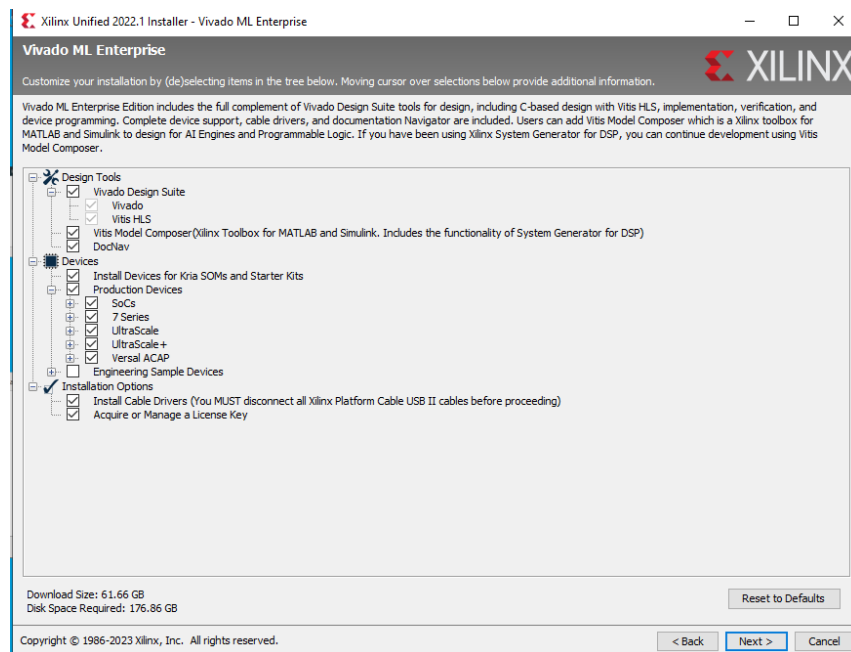
Copyright © 1986-2023 Xilinx, Inc. All rights reserved.

< Back Next > Cancel

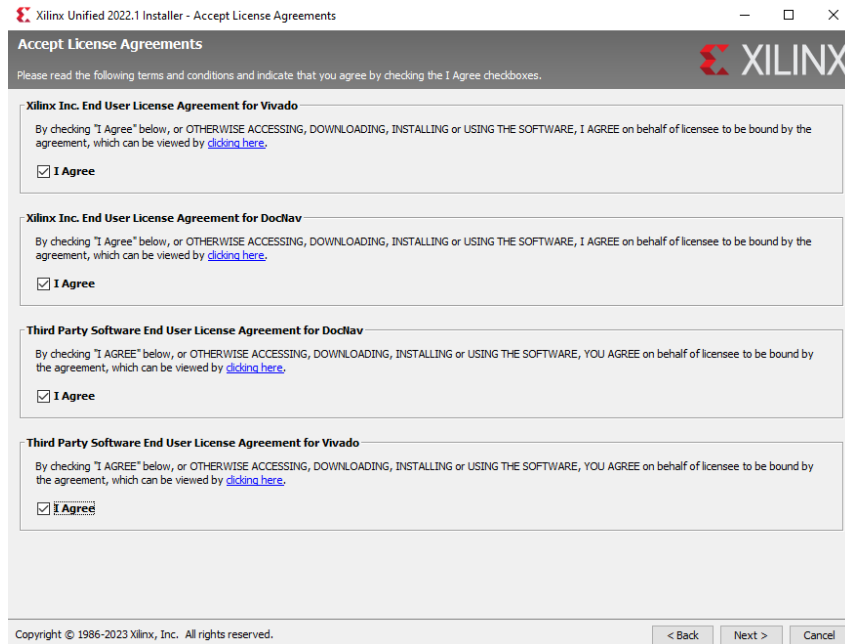
2.7 Choose Vivado ML Standard and Next



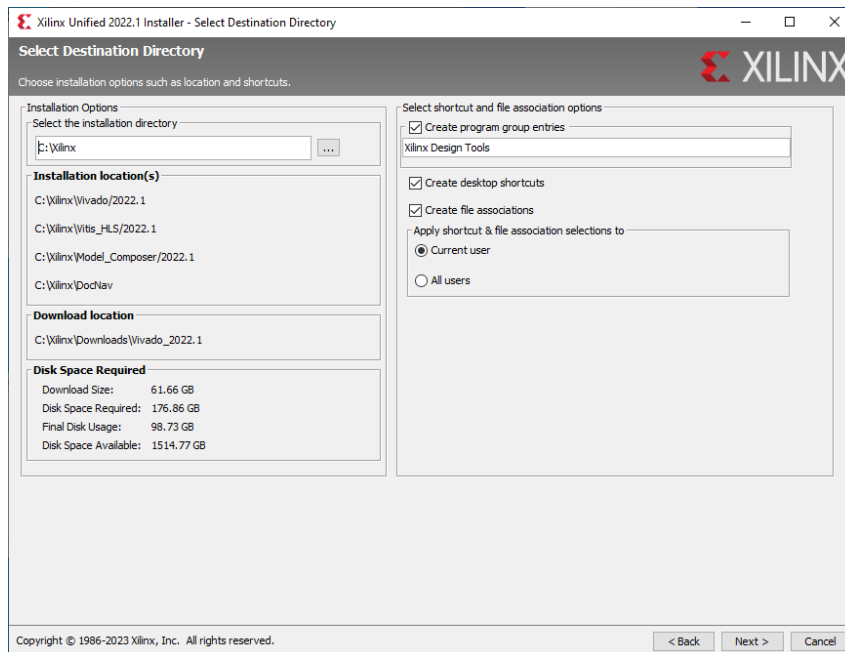
2.8 Below shows the minimum requirement for our labs (if you are running out of disk space). If you want to explore more plaforms in the course project, additional packages need to be installed.



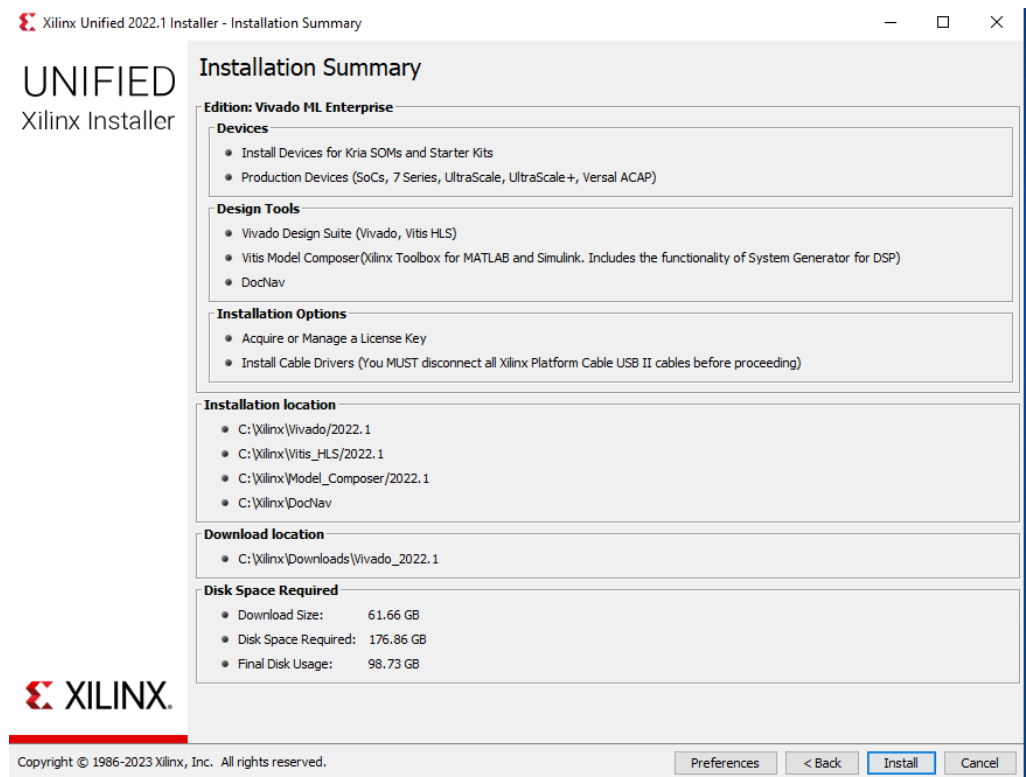
2.9 Check the terms of use



2.10 Choose the path having enough storage and install, Please make sure the directory is accessible, otherwise you will get the warning information as showed below. You can run the installer with sudo in Ubuntu



2.11 Click “Install” to start the installation.



3. Freelicense

3.1 Run the vivado software

