

Quartus Prime Installation for Students at Home

Step 1– Register for a new Intel account

<https://www.intel.com/content/www/us/en/forms/basic-intel-registration.html>

Use this link to register for an Intel Account


The screenshot shows the Intel FPGA Program Sign In and Register page. The page is divided into two main sections: Sign In and Register. The Sign In section includes a link for Intel Employees, a form for Intel Customers or Partners with fields for Username and Password, and a Sign In button. The Register section offers two options: Register now for an individual account (highlighted with a red box) and Register now for a premier account. Below the Register section, there is a footer with the Intel logo, social media icons, and a list of links including Company Information, Our Commitment, Communities, Investor Relations, Contact Us, Newsroom, and Jobs.


Click “Register now for an individual account”

Fill out the relevant information and use your NMSU email to register.

The screenshot shows the Intel FPGA Program Individual Registration form. The form is titled "Register for Intel® FPGA Program" and includes a brief introduction. The form is divided into several sections: Personal Information, Password, and Contact Information. The Personal Information section includes fields for First Name (Jacob), Last Name (Hammond), Business Email Address (jacobha@nmsu.edu), and Username (jacobha@nmsu.edu). There is a checkbox for "Use my email as username" which is checked. The Password section includes fields for Password and Confirm Password, with a list of requirements: Must include a letter, Must include a number, Must include a special character, and Must be between 8 and 15 characters in length. The Contact Information section includes a dropdown for Country/Region (United States), a dropdown for Job Function (Engineering), a dropdown for Country/Region Code (+1), a text field for Phone (5756465390), and a text field for Extension (optional). A Next Step button is located at the bottom right of the form.

← → intel.com/content/www/us/en/forms/fpga/fpga-individual-registration.html?tgt=http%3A%2F%2Fpgasoftware.intel.com%2Fsam_login%2F%3Fss02

Products Solutions Support 

Personal Information Edit 

Enrollment Questions

Project Timeframe 0-6 Months	Industry Education
Preferred Distributor North America - Digi-Key	

Company Information

Company Name New Mexico State University	Number of Employees 5000-9999
Country/Region United States	State/Province New Mexico
City Las Cruces	Zip/Postal Code 88003

Communication Subscriptions

Subscribe to email updates from Intel (optional).


Programmable Logic Product Announcements

Programmable Logic Newsletters

[Next Step](#)

Click "Submit"


← → intel.com/content/www/us/en/forms/fpga/fpga-individual-registration.html?tgt=http%3A%2F%2Fpgasoftware.intel.com%2Fsam_login%2F%3Fss02


Products Solutions Support 

Register for Intel® FPGA Program

Join the Intel® FPGA Program to get immediate access to online tools, technical content, and other resources. If you do business with Intel **as an individual**, you can request for basic access to Intel® FPGA Program tools and resources.

If you wish to register for a company account and be eligible for Intel® Premier Support, please [register for a premier account](#).

Personal Information Edit 

Enrollment Questions Edit 

Terms and Conditions

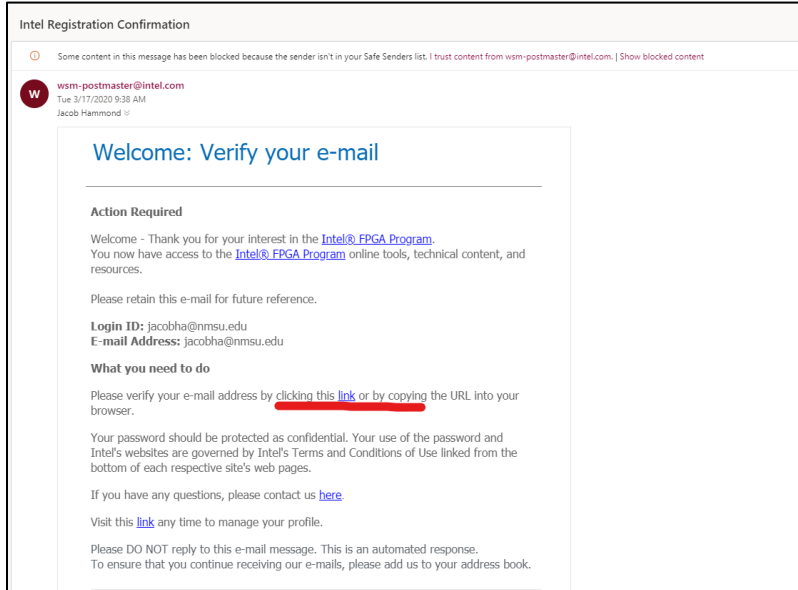
By submitting this form, you are confirming you are an adult 18 years or older and you agree to share your personal information with Intel to stay connected to the latest Intel technologies and industry trends by email and telephone. You can unsubscribe at any time. Intel's web sites and communications are subject to our [Privacy Notice](#) and [Terms of Use](#).

[Submit](#)

Step 2 – Check your NMSU Email for the verification link

Open the verification email sent by Intel Registration (you may have to check your “junk” folder if you don’t see it in your inbox).

Click the link provided to verify your email address.

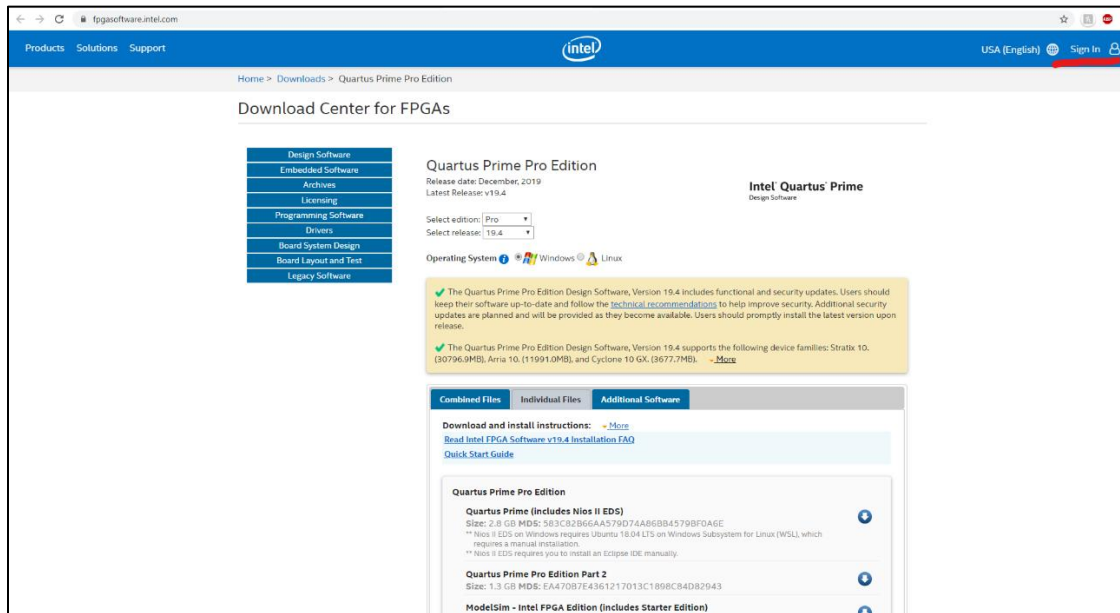


Step 3 – Sign in and Download Software

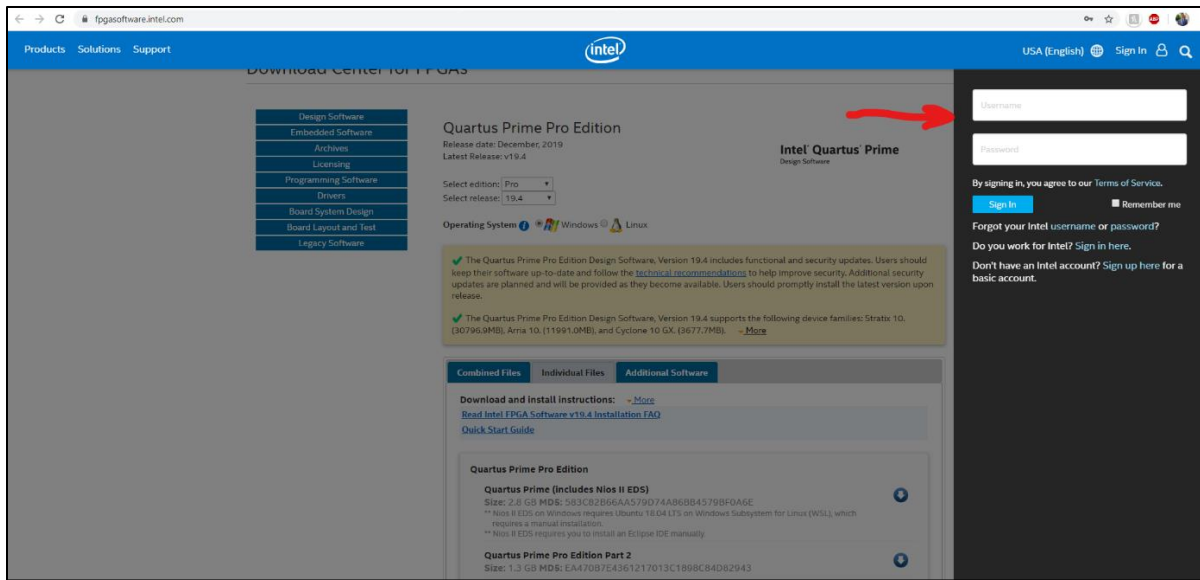
NOTE: There are THREE files you will need to download for the installation.

Use this link and click “Sign In”

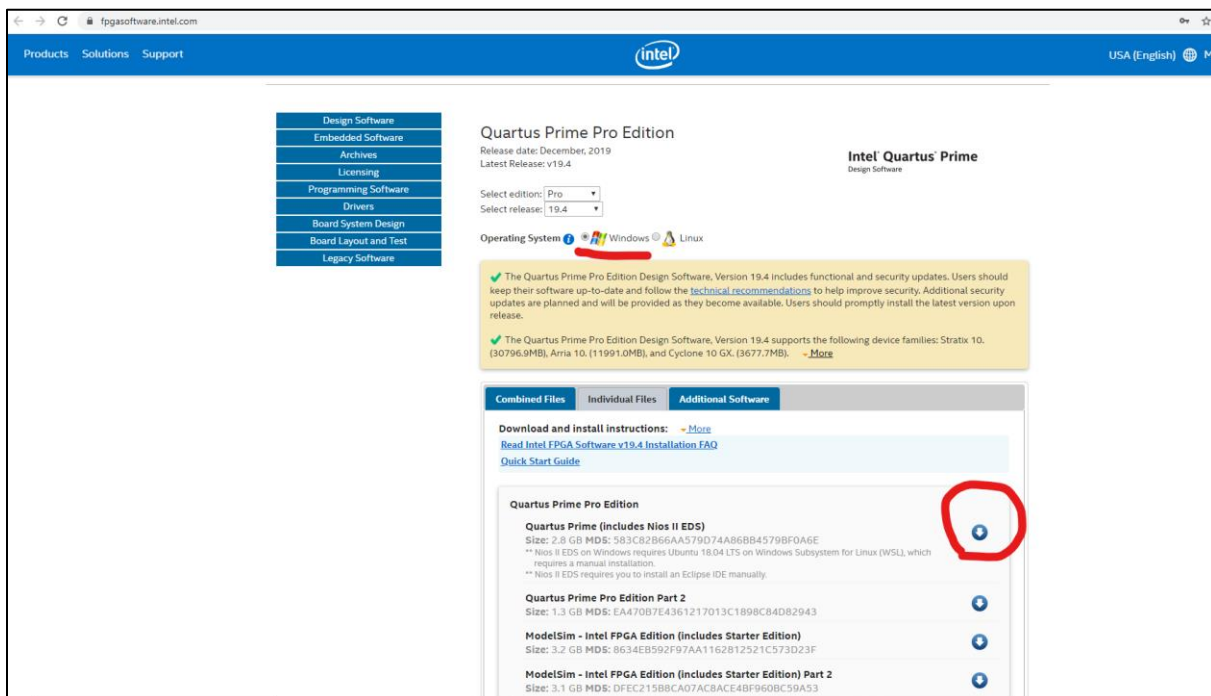
<https://fpgasoftware.intel.com/>



Sign in using the Intel account you just created.



Check that you have the right operating system selected and then proceed to click the download link for **FILE 1**



Then click the download link for **FILE 2**

The screenshot shows the Intel Quartus Prime Pro Edition download page. The page includes a navigation menu on the left with options like Design Software, Embedded Software, Archives, Licensing, Programming Software, Drivers, Board System Design, Board Layout and Test, and Legacy Software. The main content area displays the product name, release date (December, 2019), and latest release (v19.4). There are dropdown menus for 'Select edition' (Pro) and 'Select release' (19.4). Below this, there are operating system icons for Windows and Linux. A yellow box contains two green checkmarks indicating updates and supported device families. The 'Download and install instructions' section includes links for the installation FAQ and Quick Start Guide. A table of download links is shown, with the 'Quartus Prime Pro Edition Part 2' link circled in red.

Download Link	Size	MD5
Quartus Prime (includes Nios II EDS)	2.8 GB	583C82866AA579D74A86BB4579BF0A6E
Quartus Prime Pro Edition Part 2	1.3 GB	EA470B7E4361217013C1898C84D82943
ModelSim - Intel FPGA Edition (includes Starter Edition)	3.2 GB	8634EB592F97AA1162812521C573D23F

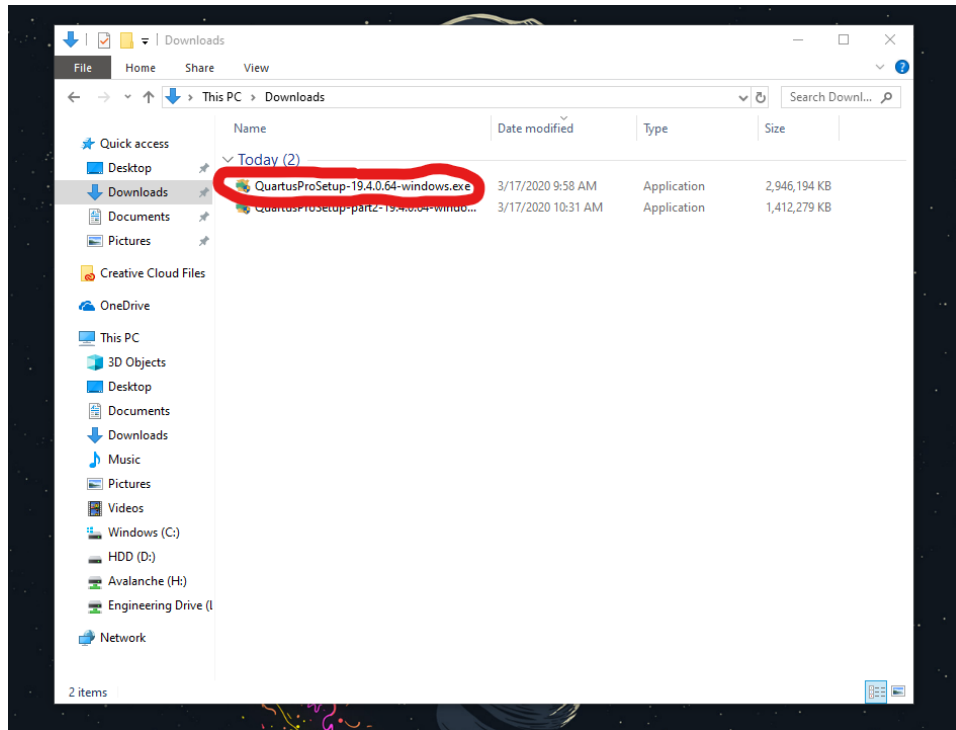
Then click the download link for **FILE 3**. This is under the next section under devices.

The screenshot shows the 'Devices' section of the Intel Quartus Prime Pro Edition download page. It lists various device support packages with their sizes and MD5 hashes. The 'Cyclone 10 GX device support (FREE, no license file required) (3677.7MB)' link is circled in red.

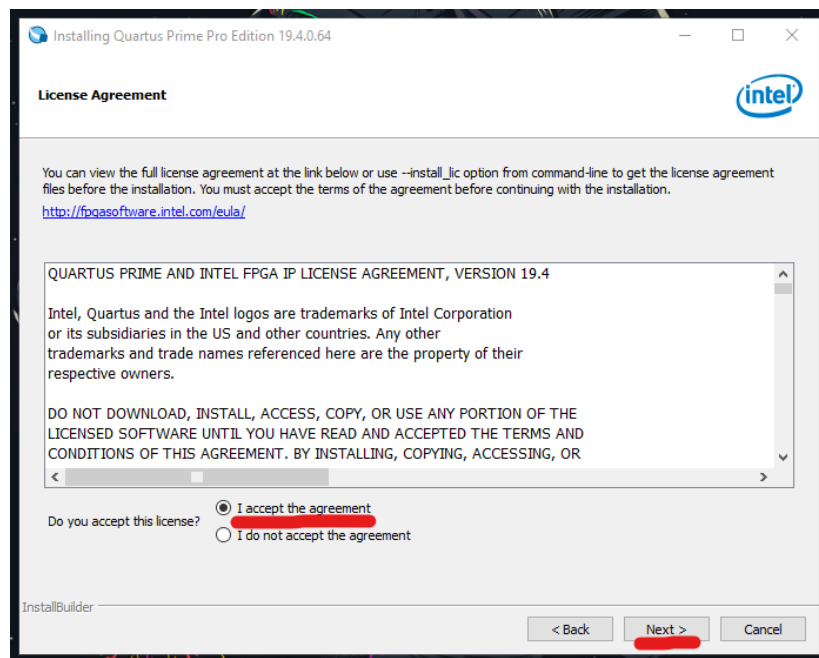
Device Support Package	Size	MD5
Agilex device support. (31579.2MB)	9.5 GB	B5856FCE87A313A593CC514A787CB37
Arria 10 device support. (11991.0MB)	9.4 GB	86CD930F48E44D95317C17DF23C7E865
Cyclone 10 GX device support (FREE, no license file required). (3677.7MB)	3.4 GB	ECA562722E7861E75DDDEA22E7A98C3E
Stratix 10 device support. (30796.9MB)	18.7 GB	2E43FEAD283F951604C339F4C599521D

Step 4 – Run the Installer

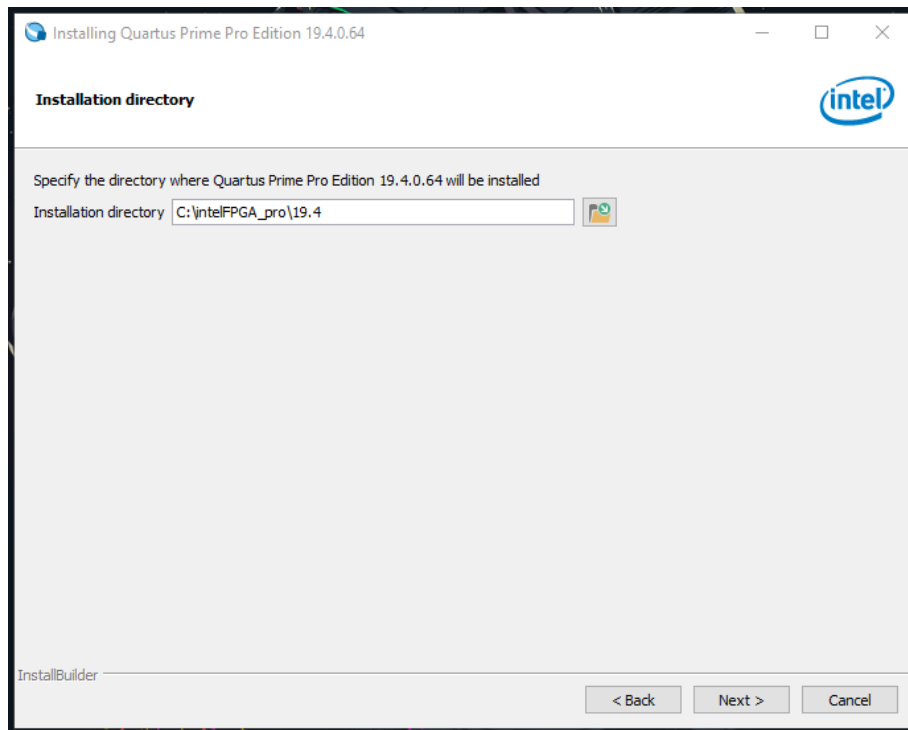
Once the download is complete, navigate to the file in downloads and run the first installer file you downloaded.



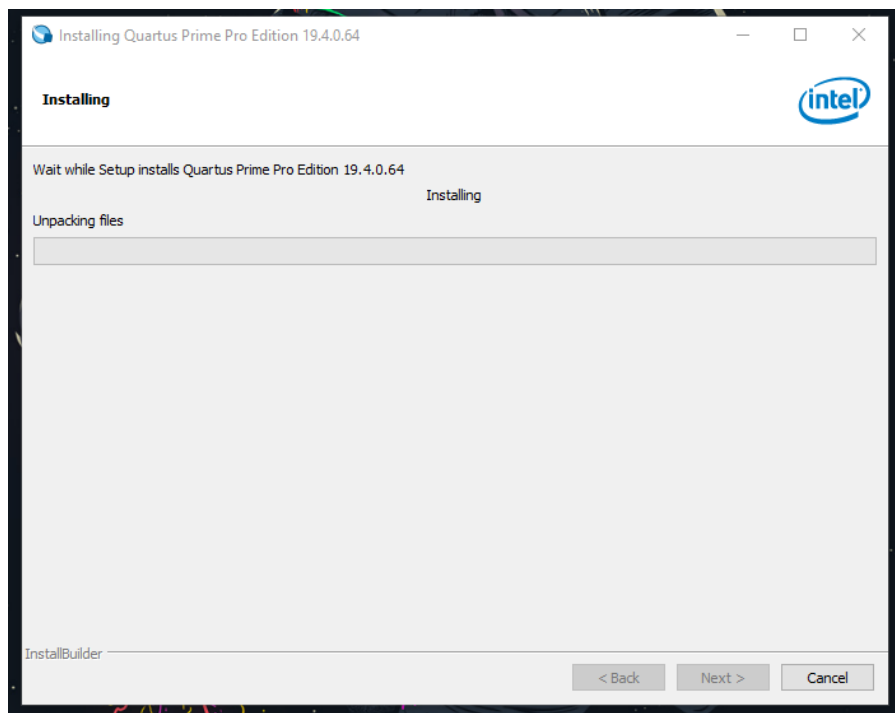
Go through the installer and agree to the License Agreement.



Keep the existing Install directory and click Next.

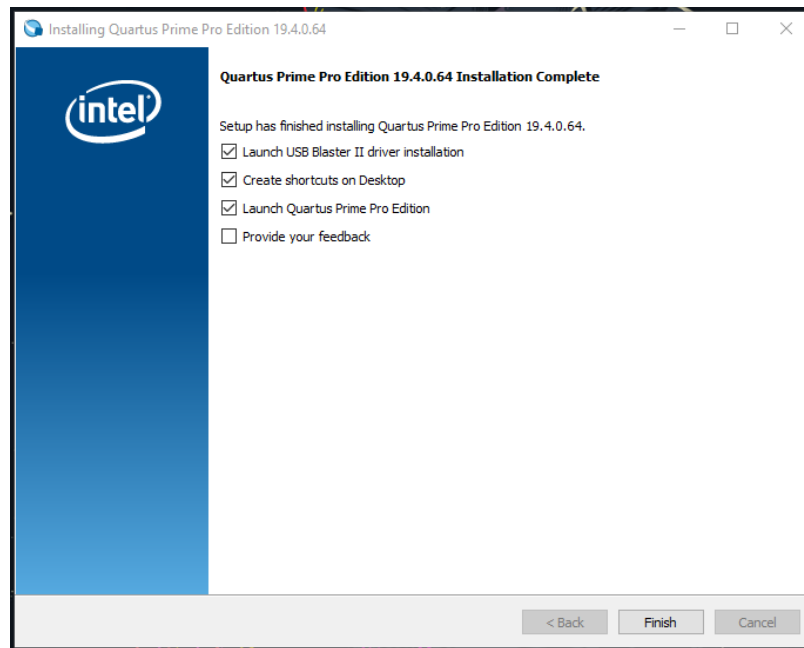


Click "Next" until the install begins.

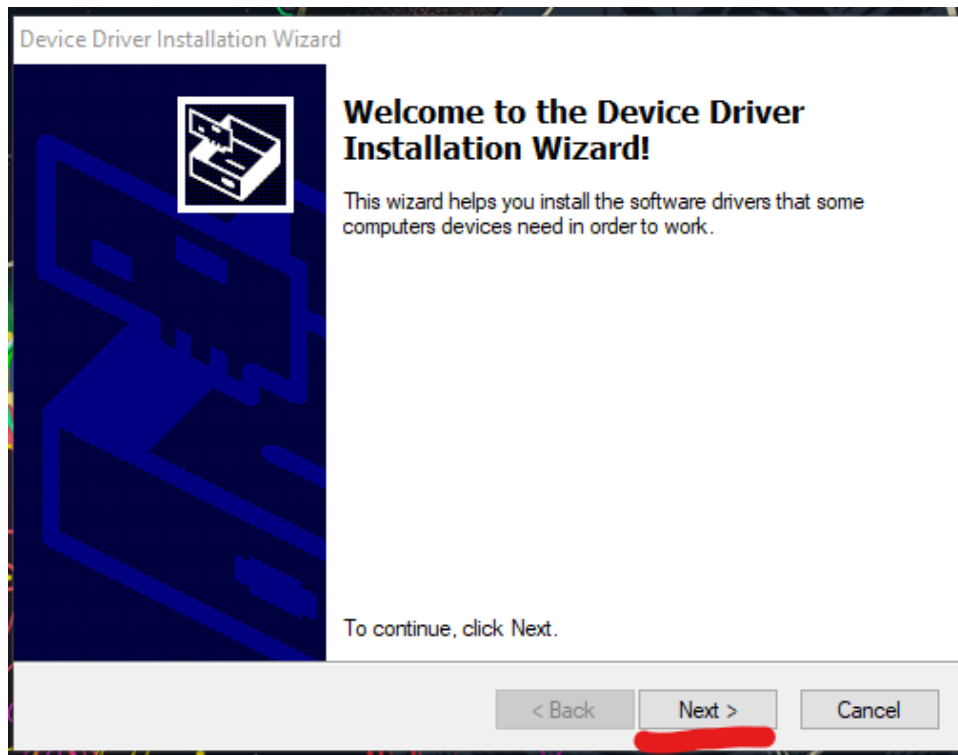


Step 5 – Install Drivers and Finish install

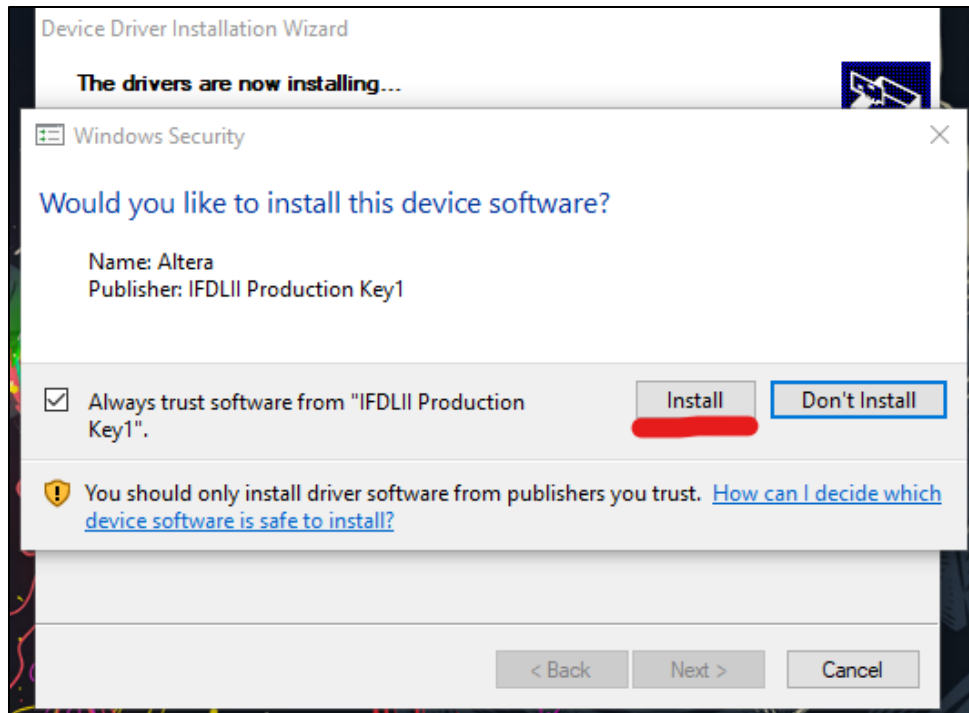
Make sure the following boxes are checked and then click finish.



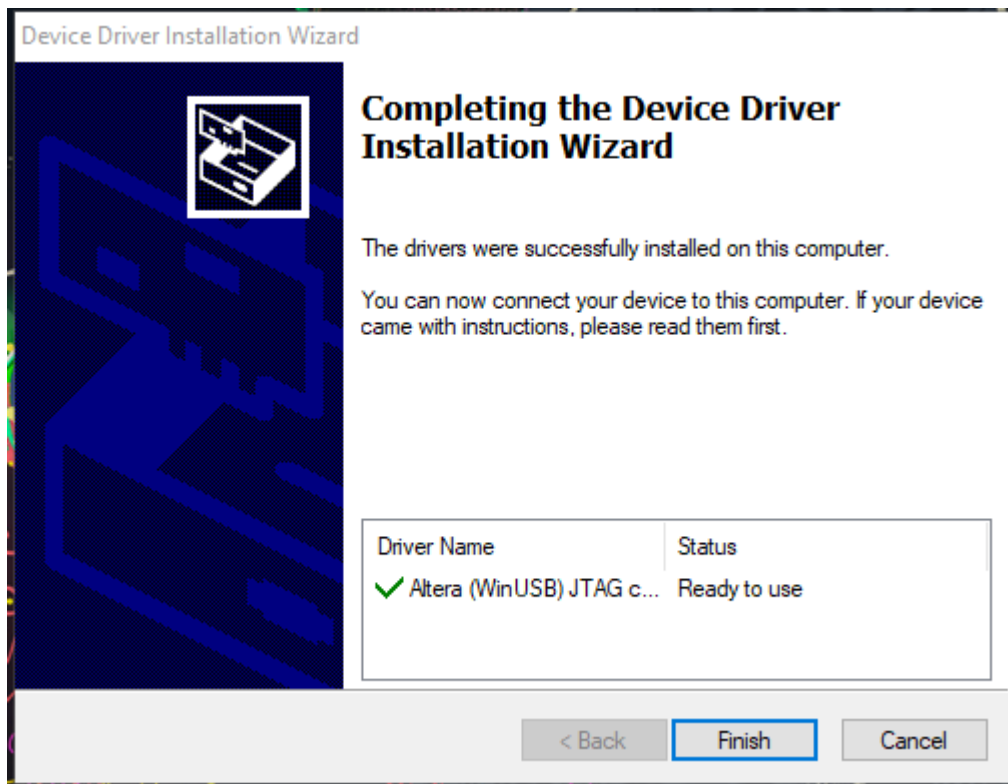
A new window will pop up to install device drivers. Select Next to continue.



A popup will ask if you want to Install this device software. Select Install

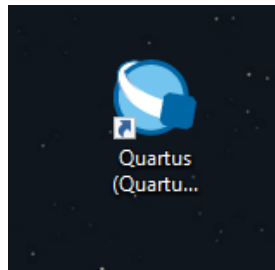


Once the installer completes, select Finish.



Step 6 – Open Quartus and license the software.

Using the start menu or the shortcut on your desktop, launch Quartus Prime.



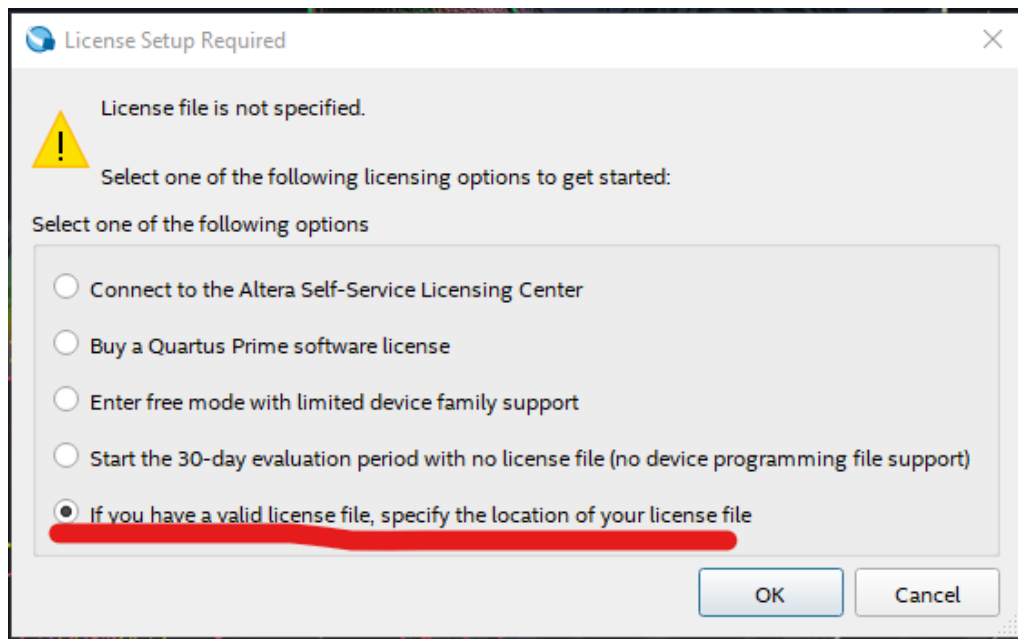
IMPORTANT NOTE: NMSU VPN connection is required for this step to work

For more information on how to connect to the NMSU VPN while at home please refer to these resources:

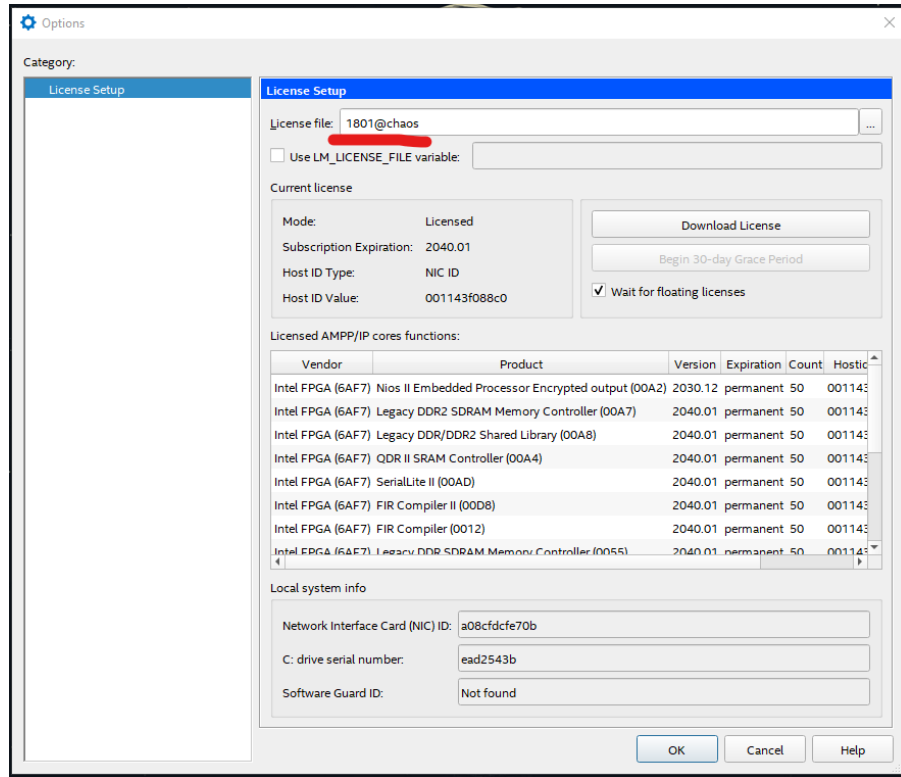
<https://vpn.nmsu.edu/>

<https://youtu.be/2ShjFNhi2iA>

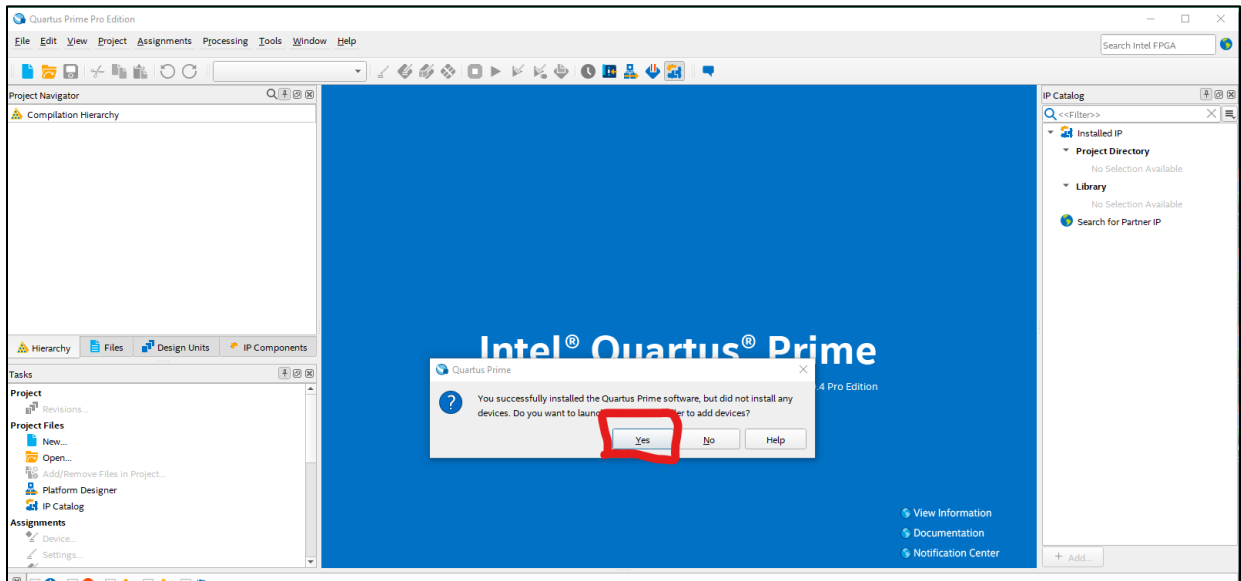
Select “If you have a valid license file, specify the location” in the popup that appears.



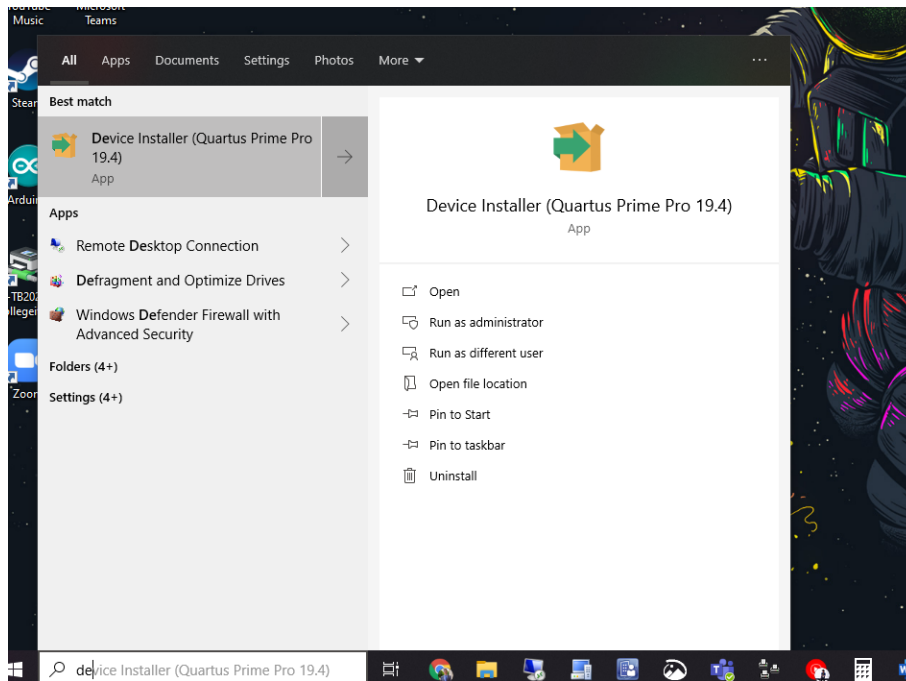
In the License File box, enter: 1801@chaos and press Enter on your keyboard. You should notice the list start to populate below. When finished, click OK.



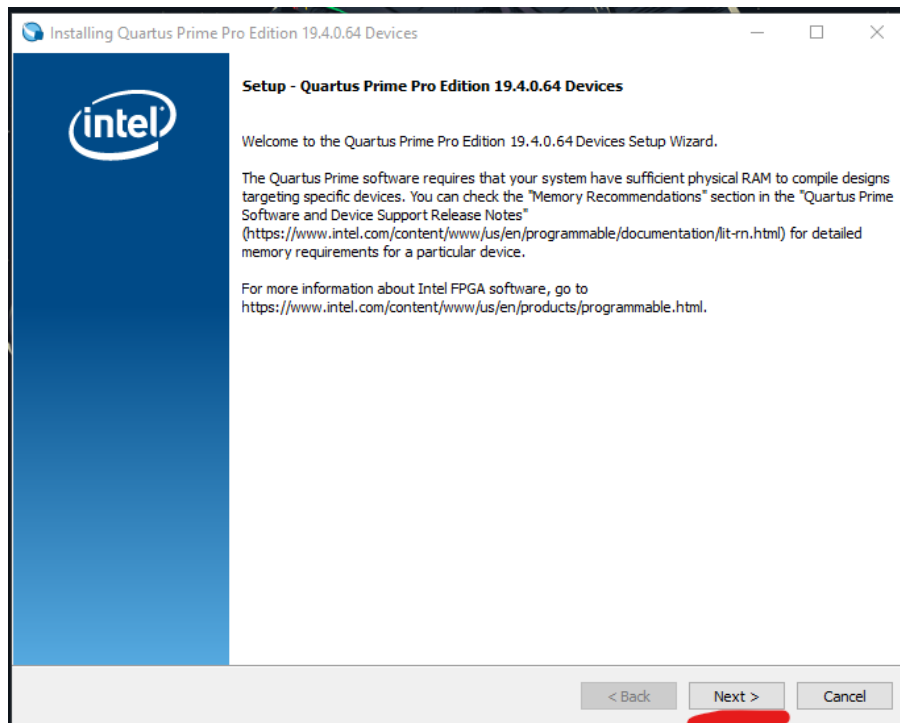
When Quartus opens for the first time it will prompt you to install devices. Select Yes. If this fails to open just proceed to the next step.



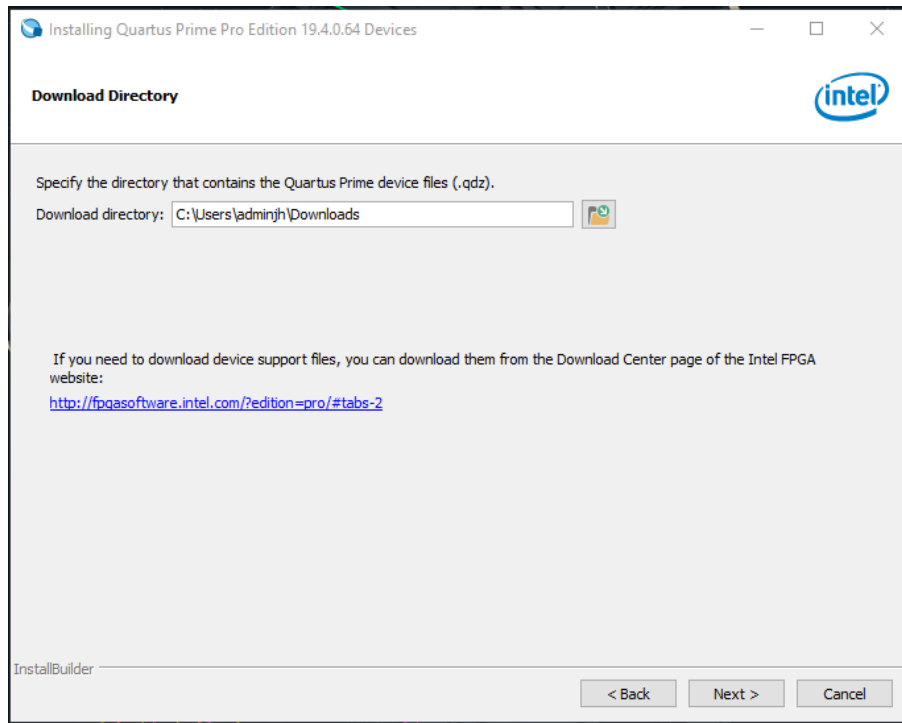
Open the Quartus Device installer. (can be found by searching in the start menu)



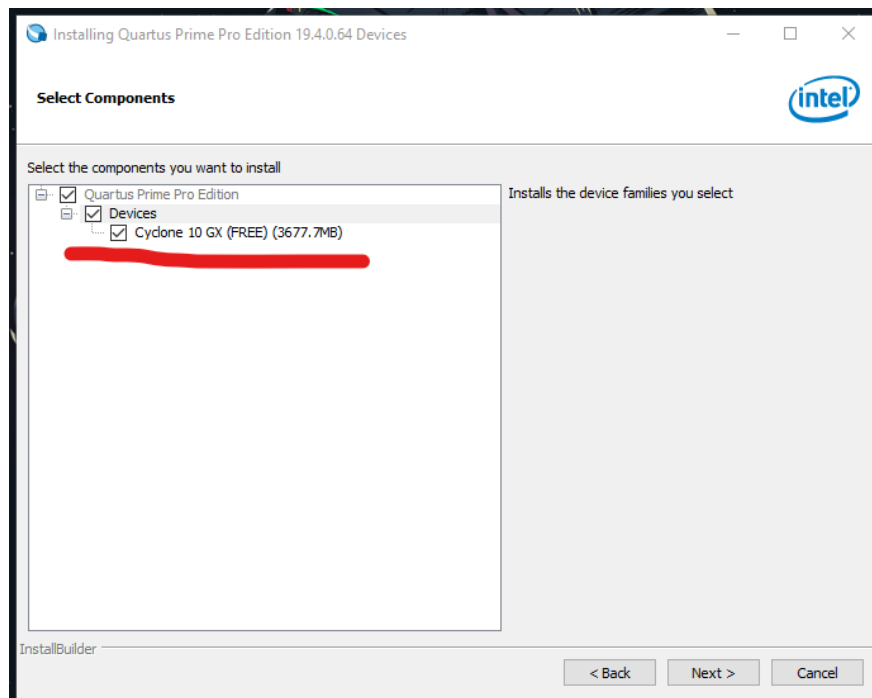
Click Next.



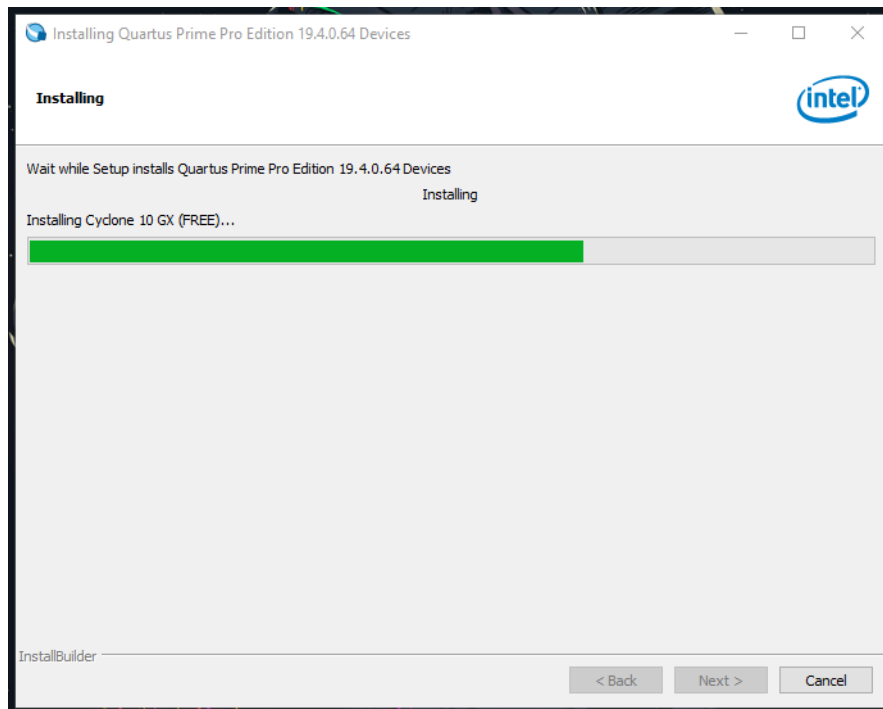
Be sure that this box has the directory where you downloaded **File 3** from earlier. (the default should be your downloads folder so you shouldn't have to change it)



Select the boxes as shown and click Next.



Wait for the installer to finish



Relaunch Quartus Prime (again, VPN must be actively connected while you use the program!)



Installation is complete!