

Installation Of Quartus 13.0sp1

On Windows 10

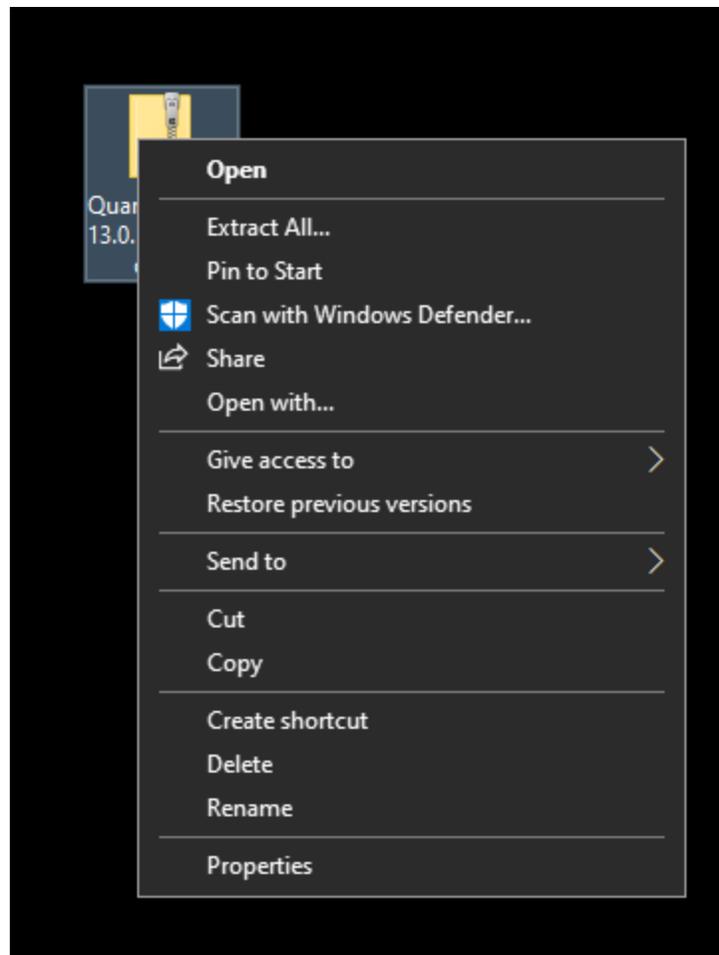
May 19, 2020

The ELE328/BME328 courses use the Quartus version 13.0sp1 as the DE2 boards that are installed in the labs (ENG306/ENG307) are based on the Altera Cyclone II FPGA chip. It must be noted that the Altera DE2 boards installed in ENG408 have the Cyclone V chips and therefore must use Quartus 13.1 and onwards.

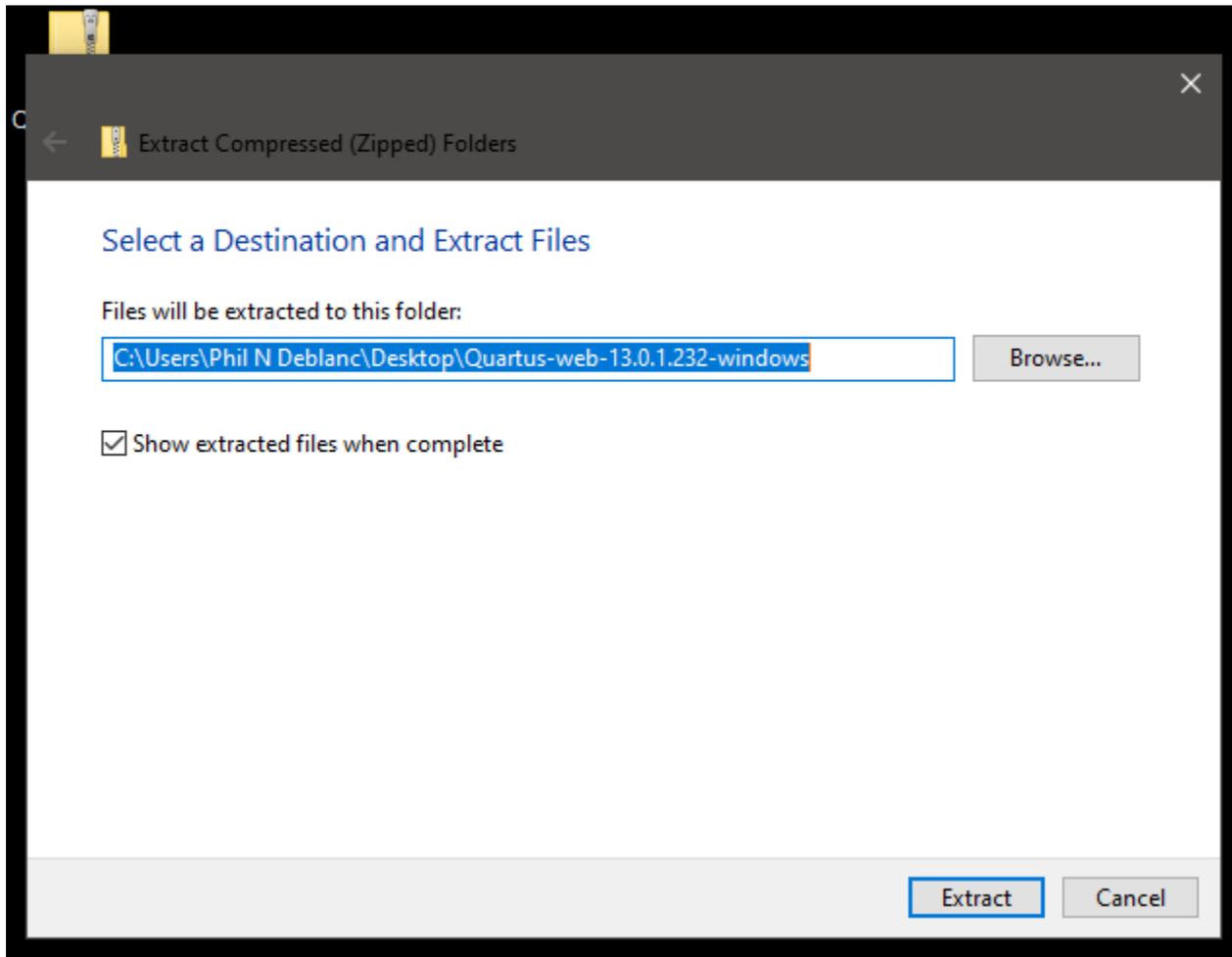
First thing we'll need is to download a copy of Quartus . Quartus can be freely obtained from the following URL:

[Quartus 13.0 Service Pack 1](#)

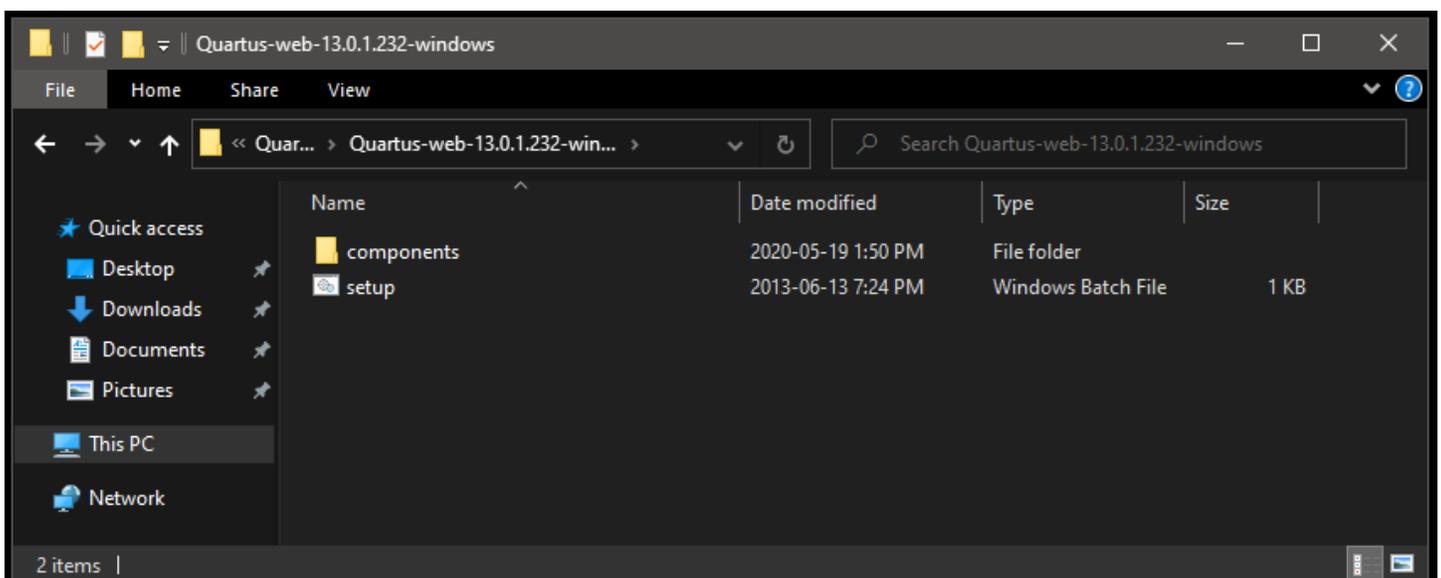
Please note that the above link will only work if you have a @yrerson.ca account as you will be required to login to gain access to the download. Note that the download is about 4.4Gig in size so it will take some time to download. Once the zip file has been downloaded right click on the zip file and **Extract All...**



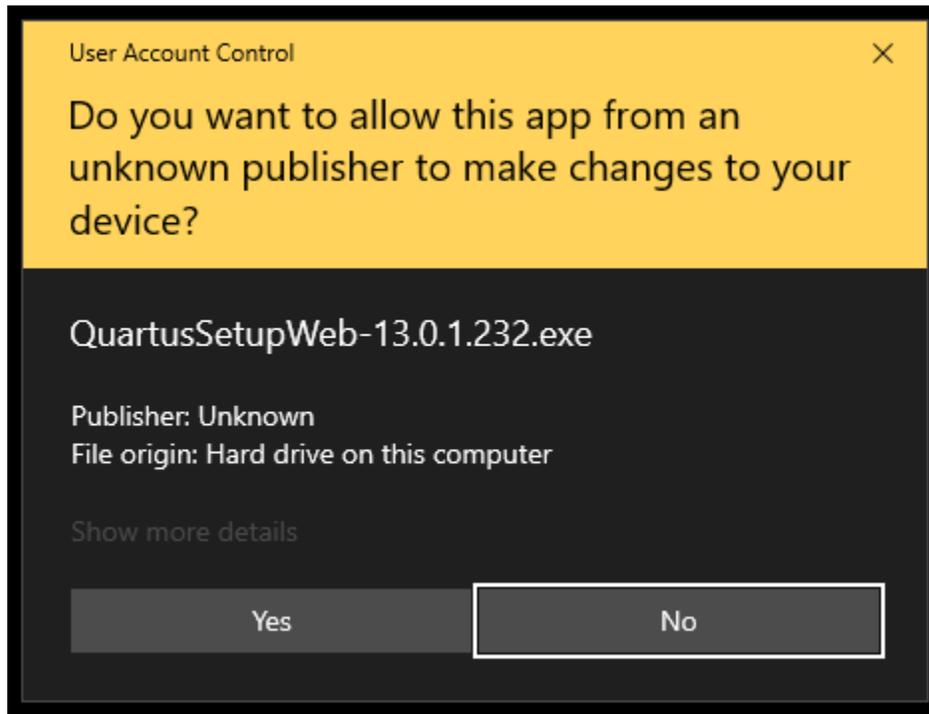
It will ask you where it will extract to and take note as you will need to enter the extracted folder to execute the setup.bat script that will be created once unzipped.



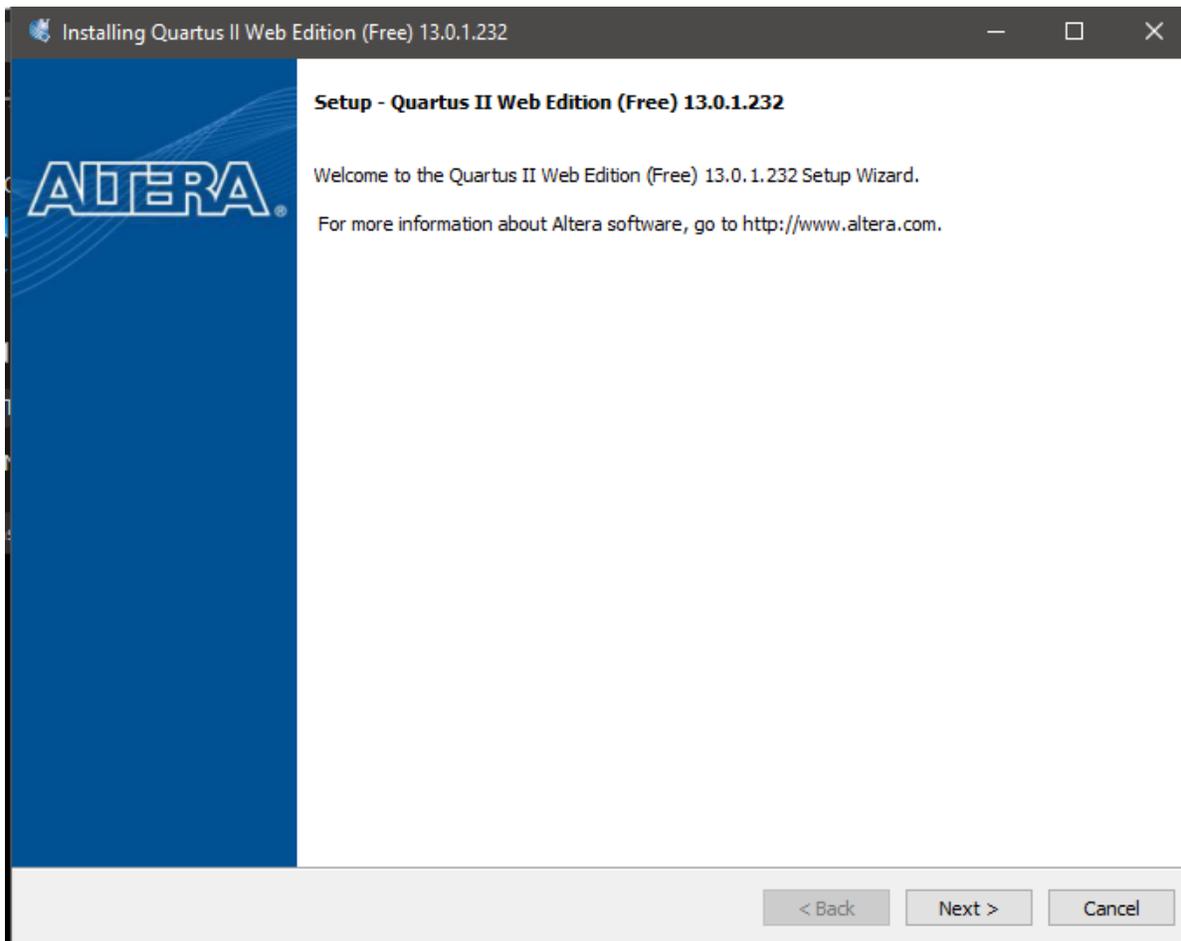
Now in this example we are extracting the file onto the Desktop (see above graphic). Once extracted there should be a folder called **Quartus-web-13.0.1.232-windows**. Click on this folder and find the installation script called setup.bat.



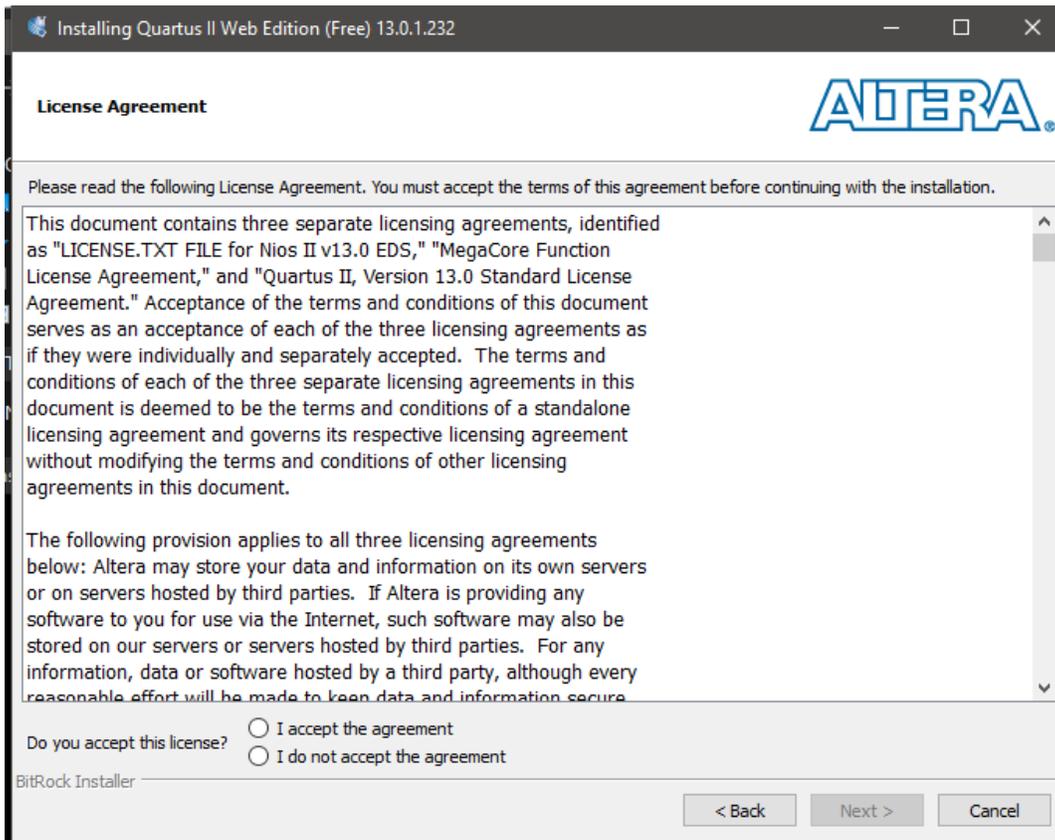
Double click on the setup.bat and it should start the installation process. Note that a blank cmd.exe window may pop up and then follow up with the following window:



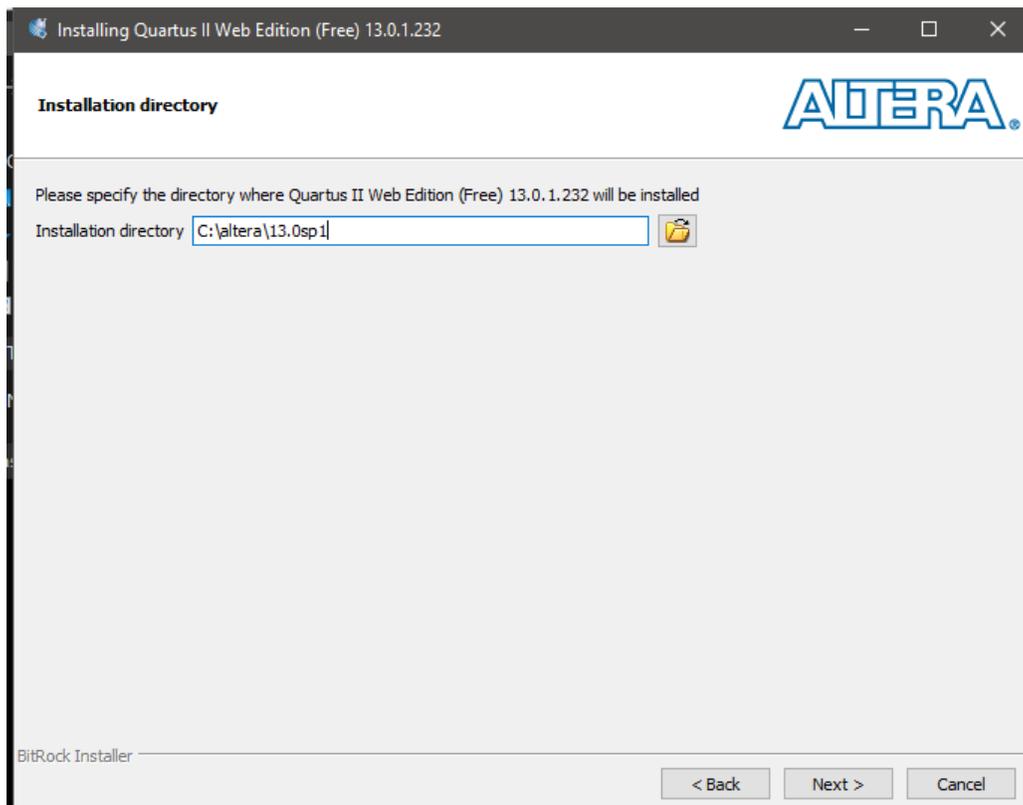
Click Yes. You should now notice a Quartus installer will start



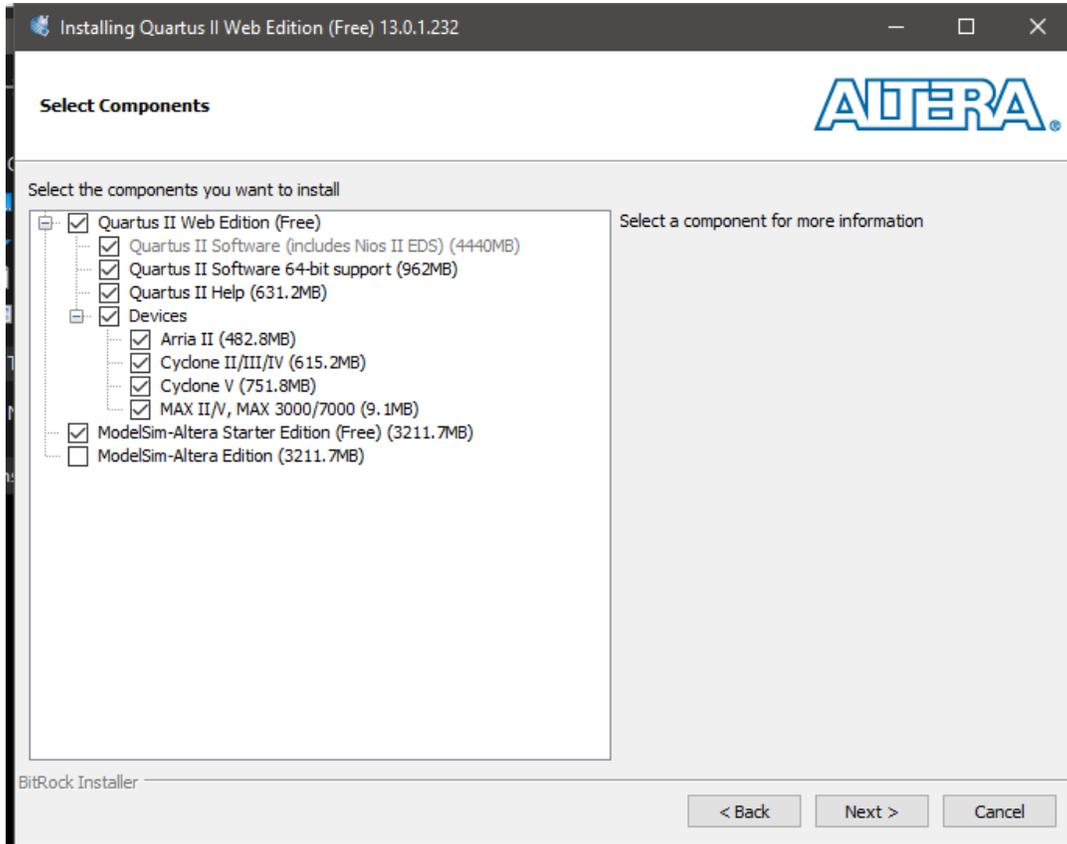
Click Next.



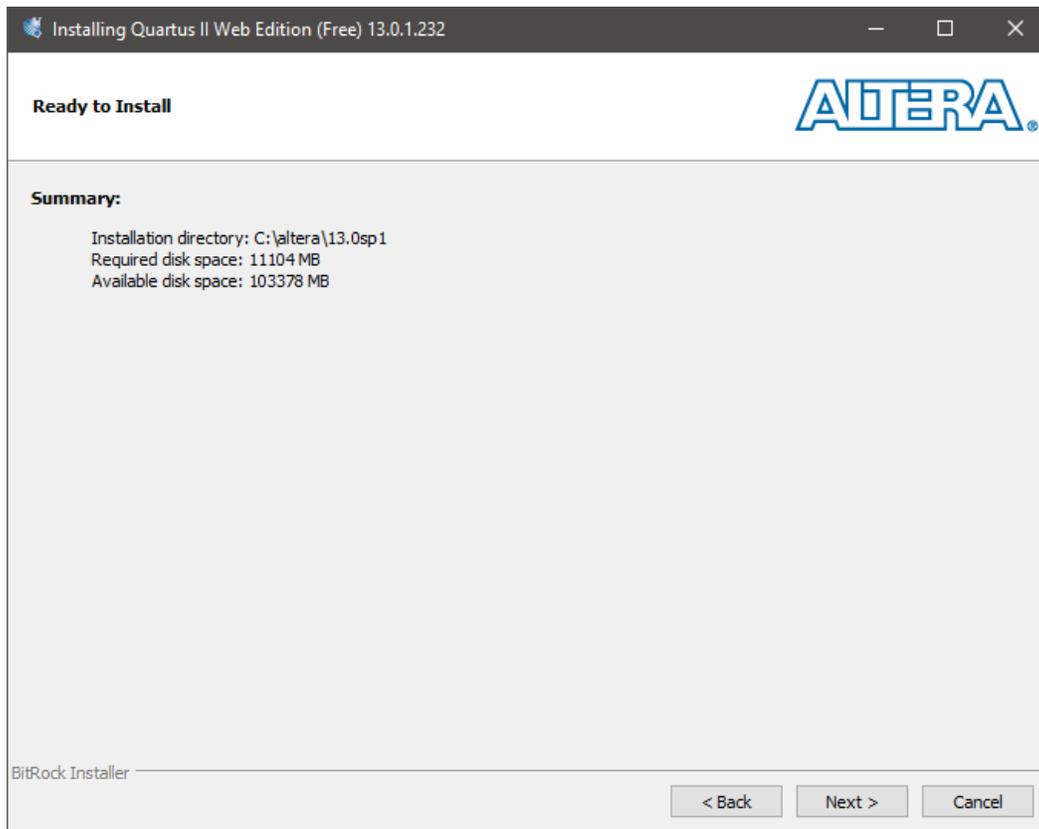
Agree to the license agreement by selecting “I accept the agreement” and then click Next. You will then be asked where you would wish to install the software. In this example we’re leaving it to the default c:\altera\13.0sp1



After you click next you will be presented with a list of options, most will be already selected. You can simply click next:

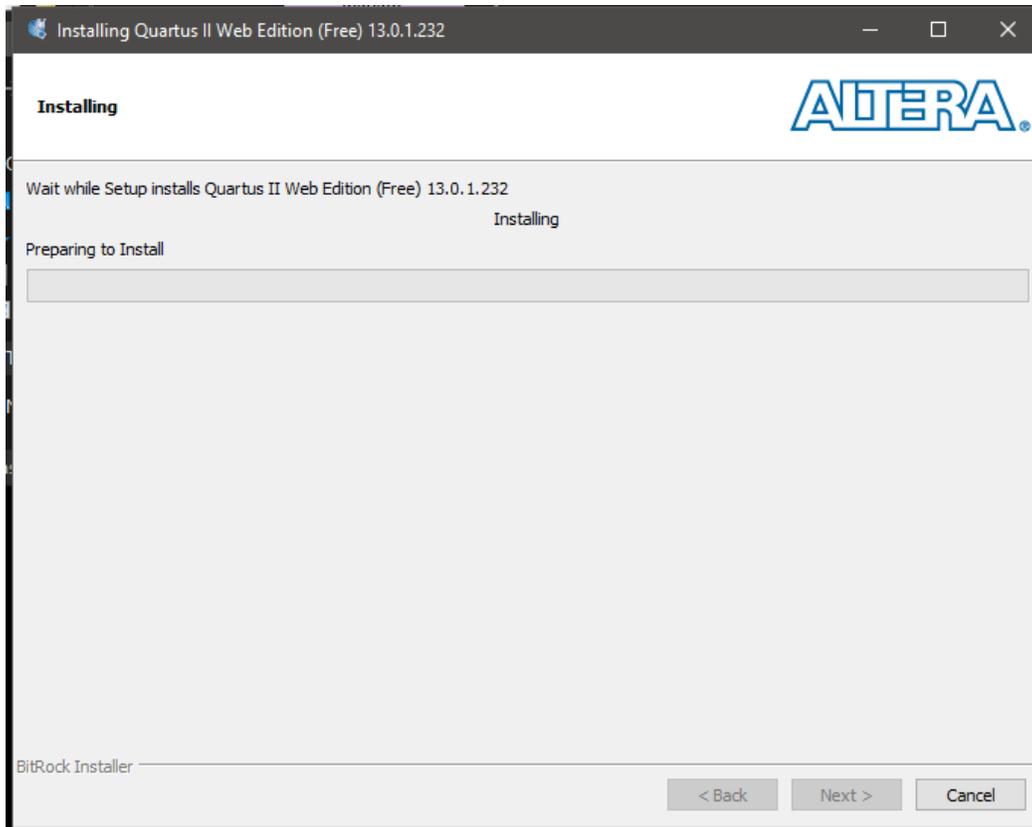


Once you've clicked next you will now see that we've come to the final summary just before installing:

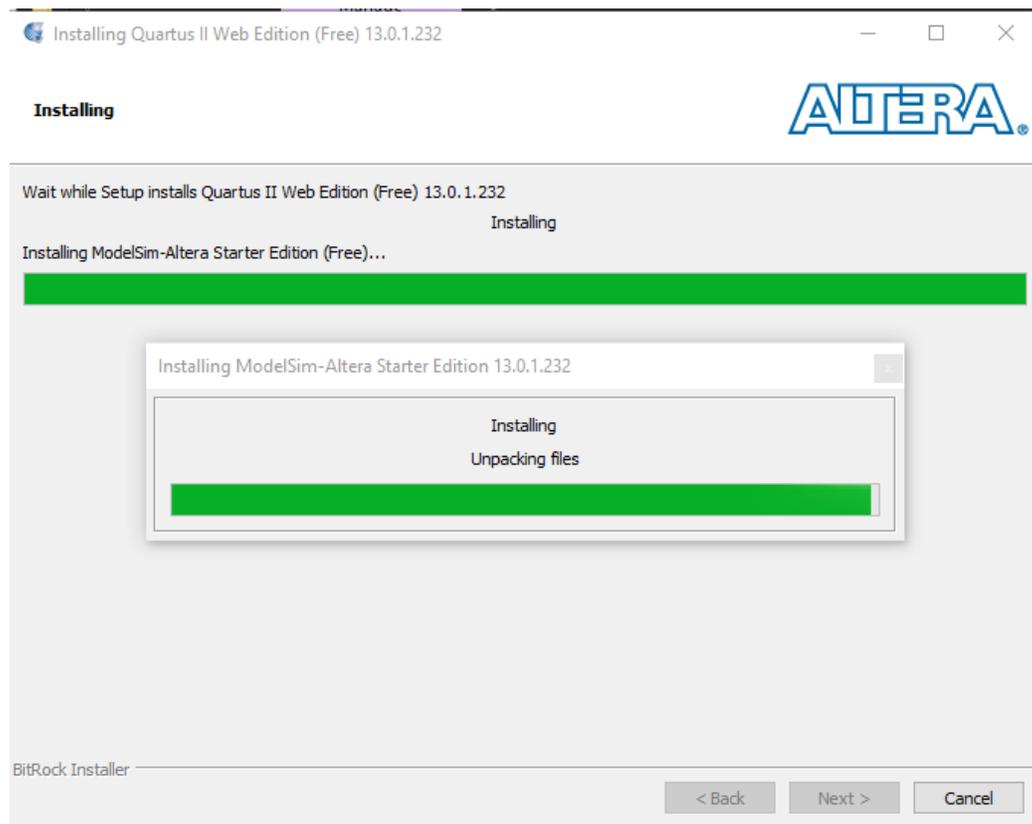


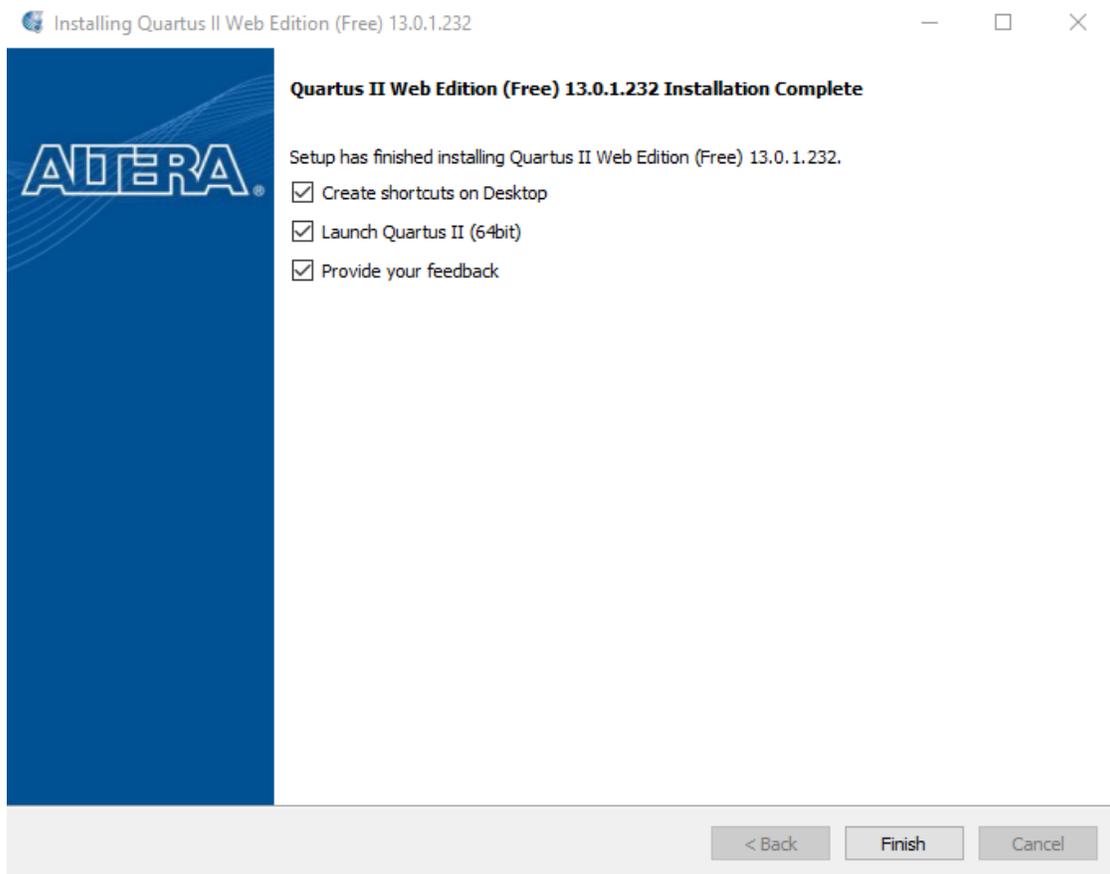
Click Next

You will now be presented with an installation progress bar:

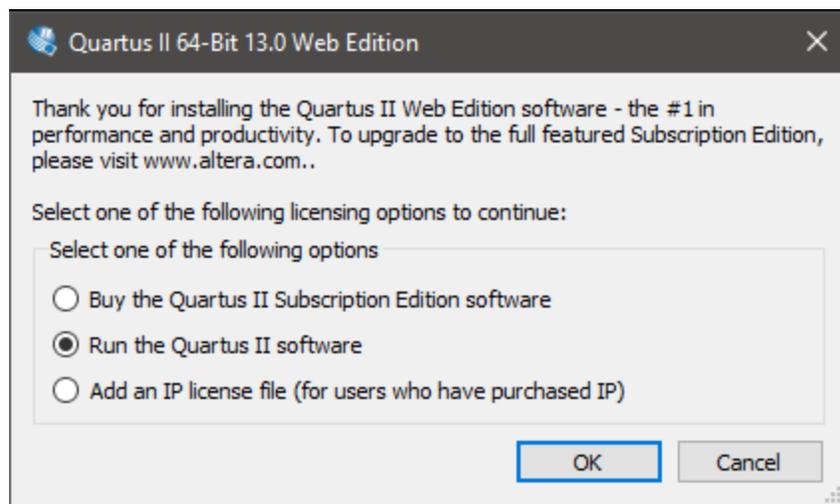


it will take about 30mins to install.





By default the "Provide your Feedback" is selected. You can unselect this as it will pop up your browser to provide feedback if you wish to. Lastly you will be presented with:



Select Run the Quartus II software and click OK. This should bring up the "Getting Started with Quartus II Software" screen, you can close this by clicking on the x on the top left side of the window.



You can disable this window from popping up every time you start quartus by simply clicking on the “Don’t show this this screen again” option before closing the screen. Once started it should look like:

