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.

		×
🖕 🖳 Extract Compressed (Zipped) Folders		
Select a Destination and Extract Files		
Files will be extracted to this folder:		
C:\Users\Phil N Deblanc\Desktop\Quartus-web-13.0.1.232-windows	Browse	
Show extracted files when complete		
	Extract Can	cel

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

💐 Installing Quartus II Web Edition (Free) 13.0.1.232 — 🗆 🗙			
	Setup - Quartus II Web Edition (Free) 13.0.1.232		
	Welcome to the Quartus II Web Edition (Free) 13.0.1.232 Setup Wizard. For more information about Altera software, go to http://www.altera.com.		
	< Back Next > Cancel		

💐 Installing Quartus II Web Edition (Free) 13.0.1.232	- 🗆 X
License Agreement	
Please read the following License Agreement. You must accept the terms of this agreement before con	tinuing with the installation.
This document contains three separate licensing agreements, identified as "LICENSE.TXT FILE for Nios II v13.0 EDS," "MegaCore Function License Agreement," and "Quartus II, Version 13.0 Standard License Agreement." Acceptance of the terms and conditions of this document serves as an acceptance of each of the three licensing agreements as if they were individually and separately accepted. The terms and conditions of each of the three separate licensing agreements in this document is deemed to be the terms and conditions of a standalone licensing agreement and governs its respective licensing agreement without modifying the terms and conditions of other licensing agreements in this document.	^
The following provision applies to all three licensing agreements below: Altera may store your data and information on its own servers or on servers hosted by third parties. If Altera is providing any software to you for use via the Internet, such software may also be stored on our servers or servers hosted by third parties. For any information, data or software hosted by a third party, although every reasonable effort will be made to keep data and information secure	~
Do you accept this license? Di I accept the agreement I do not accept the agreement	
Bickock Installer	Next > Cancel

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

🍕 Installing Quartus II Web Edition (Free) 13.0.1.232	– 🗆 X
Installation directory	
Please specify the directory where Quartus II Web Edition (Free) 13.0.1.232 will be installed Installation directory C:\altera\13.0sp1	
BitRock Installer	Next > Cancel

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

💐 Installing Quartus II Web Edition (Free) 13.0.1.232	– 🗆 X
Select Components	
Select the components you want to install	
 Quartus II Web Edition (Free) Quartus II Software (includes Nios II EDS) (4440MB) Quartus II Software 64-bit support (962MB) Quartus II Help (631.2MB) Devices Arria II (482.3MB) Cyclone II/III/IV (615.2MB) Cyclone V (751.8MB) MAX II/V, MAX 3000/7000 (9.1MB) ModelSim-Altera Starter Edition (Free) (3211.7MB) ModelSim-Altera Edition (3211.7MB) 	Select a component for more information
bitkock Installer	< Back Next > Cancel

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

💐 Installing Quartus II Web Edition (Free) 13.0.1.232	– 🗆 X
Ready to Install	
Summary:	
Installation directory: C:\altera\13.0sp1 Required disk space: 11104 MB Available disk space: 103378 MB	
BitRock Installer	
	< Back Next > Cancel

Click Next

You will now be presented with an installation progress bar:

💐 Installing Quartus II Web Edition (Free) 13.0.1.232	- 🗆 X
Installing	
Wait while Setup installs Quartus II Web Edition (Free) 13.0.1.232 Installing	
Preparing to Install	
orkock Installer	< Back Next > Cancel

it will take about 30mins to install.

🍕 Installing C	luartus II Web Edition (Free) 13.0.1.232	- 🗆 X
Installing		
Wait while Setur	installs Quartus II Web Edition (Free) 13.0.1.232 Installing im-Altera Starter Edition (Free)	
	Installing ModelSim-Altera Starter Edition 13.0.1.232	×
	Installing Unpacking files	
BitRock Installer -		< Back Next > Cancel

🍕 Installing Quartus II Web I	Edition (Free) 13.0.1.232	_		\times
, f	Quartus II Web Edition (Free) 13.0.1.232 Installation Complete			
	Setup has finished installing Quartus II Web Edition (Free) 13.0.1.232. Create shortcuts on Desktop Launch Quartus II (64bit)			
	Provide your feedback			
	< Back F	Finish	Can	cel

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:

🂐 Quartus II 64-Bit 13.0 Web Edition 🛛 🗙 🗙		
Thank you for installing the Quartus II Web Edition software - the #1 in performance and productivity. To upgrade to the full featured Subscription Edition, please visit www.altera.com		
Select one of the following licensing options to continue: Select one of the following options		
O Buy the Quartus II Subscription Edition software		
Run the Quartus II software		
Add an IP license file (for users who have purchased IP)		
OK Cancel		

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:

🍣 Quartus II 64-Bit	– – ×
File Edit View Project Assignments Processing Tools Window Help 🖘	Search altera.com 🚯
	🕨 🔊 🖄 💆 🔛 🔹
Project Navigator 🛛 🕹 🛪	
Compilation Hierarchy	
	7°
A Hierarchy Files d ^P Design Units	
	₩ Buy Software
Flow: Compilation Customize	View Quartus II Information
I ask n	Documentation
Compare Design	Notification Center
🞽 🗚 🔞 🛕 🍌 💎 < <search>></search>	
Type ID Message	
System / Processing	0% 00:00:00