

Quartus Prime Setup

Version 18.1

Last updated 7/24/19

Quartus Prime Setup

WARNING – WARNING – WARNING

Since our suppliers update their software on a regular basis – some of the screen captures and revision numbers may be different when you install the software

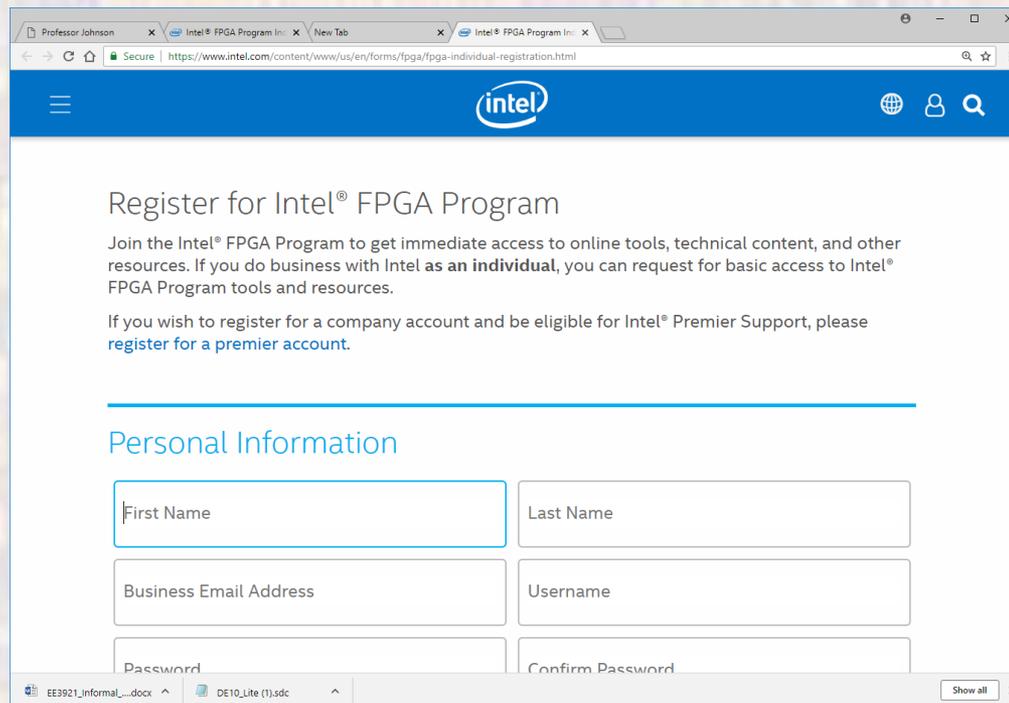
WARNING – WARNING – WARNING

Quartus Prime Setup

- Quartus Prime – Setup
 - The following slides walk through the process of setting up the Quartus Prime software
 - This is the development platform for the Intel FPGAs
 - Please note – this process takes quite a while (>2 hours) depending on your internet connection.

Quartus Prime Setup

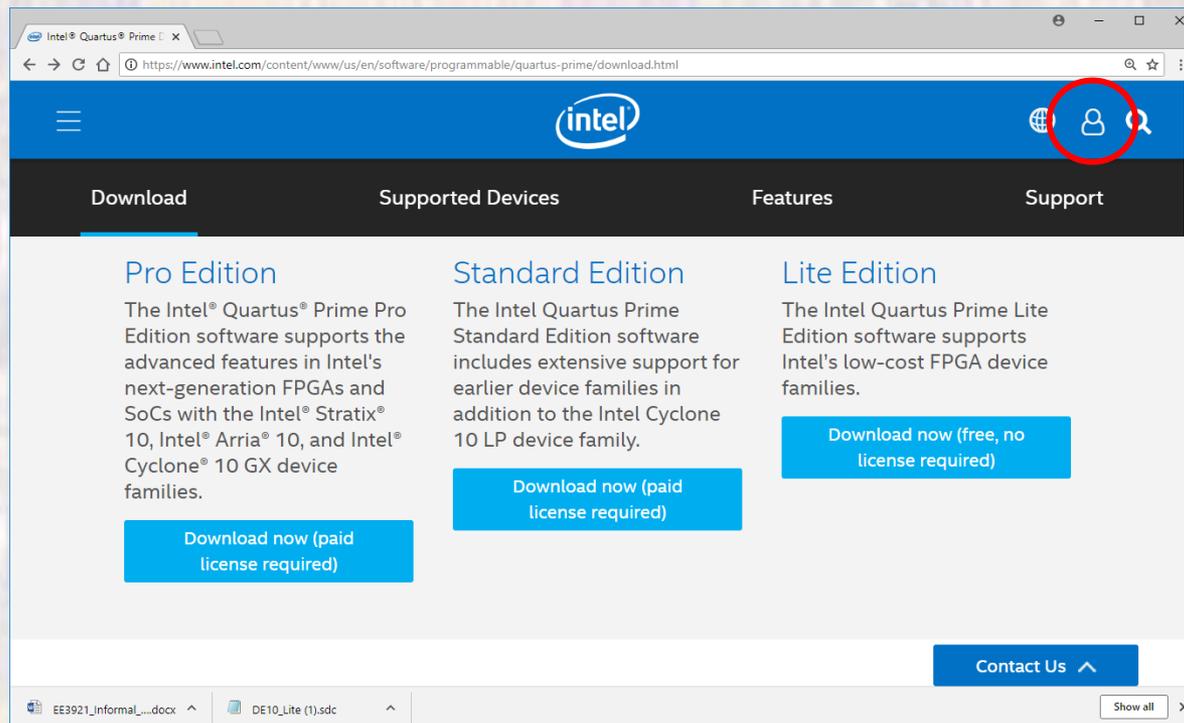
- Quartus Prime – Setup
 - If you do not already have an INTEL FPGA account – create one.
 - <https://www.intel.com/content/www/us/en/forms/fpga/fpga-individual-registration.html>
 - Use your university email address



The screenshot shows a web browser window with the URL <https://www.intel.com/content/www/us/en/forms/fpga/fpga-individual-registration.html>. The page title is "Register for Intel® FPGA Program". The main heading is "Register for Intel® FPGA Program". Below the heading, there is a paragraph: "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." Below this, there is another paragraph: "If you wish to register for a company account and be eligible for Intel® Premier Support, please [register for a premier account](#)." The form is titled "Personal Information" and contains several input fields: "First Name", "Last Name", "Business Email Address", "Username", "Password", and "Confirm Password". The browser's address bar shows the URL, and the page has a blue header with the Intel logo and navigation icons.

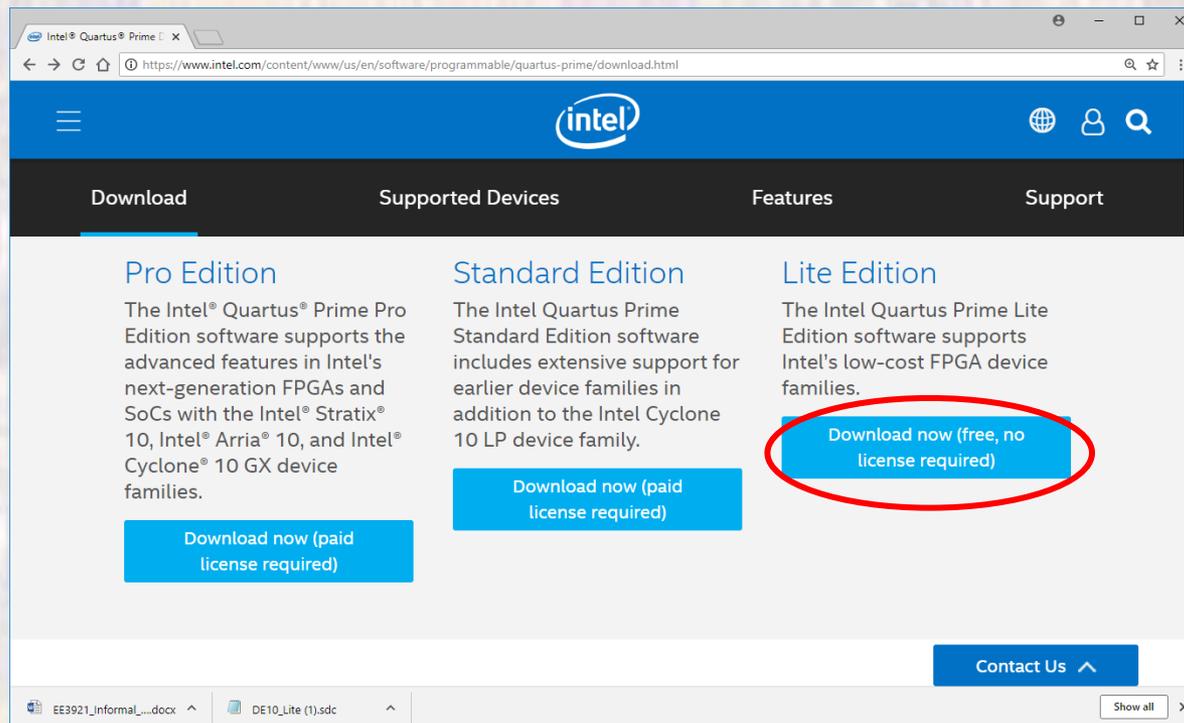
Quartus Prime Setup

- Quartus Prime – Setup
 - Browse to the Intel Software Support site
 - <https://www.intel.com/content/www/us/en/software/programmable/quartus-prime/download.html>
 - Select Sign-in in the upper right corner



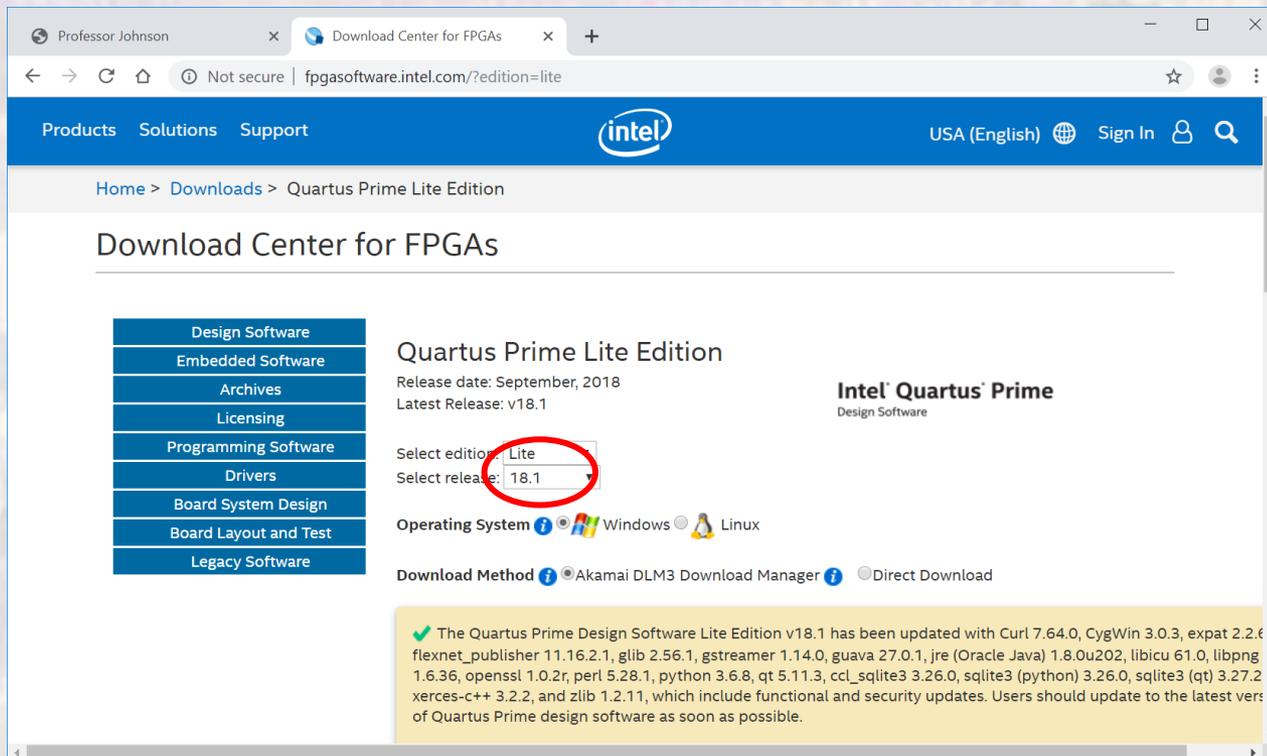
Quartus Prime Setup

- Quartus Prime – Setup
 - Browse to the Intel Software Support site
 - <https://www.intel.com/content/www/us/en/software/programmable/quartus-prime/download.html>
 - Select the **Lite Edition** download



Quartus Prime Setup

- Quartus Prime – Setup
 - Lite Version selection criteria
 - Select “**Lite**” and release “**18.1**” from the dropdown menu
 - Select “Windows” or “Linux” as appropriate
 - Select the direct download method



Quartus Prime Setup

- Quartus Prime – Setup
 - Scroll down
 - Select the QuartusPrime(includes Nios II EDS) download button
 - Select the ModelSim-Intel FPGA Edition download button

Center for FPGAs x +

.intel.com/?edition=lite

USA (English) Sign In

✓ The Quartus Prime Design Software Lite Edition v18.1 has been updated with Curl 7.64.0, CygWin 3.0.3, expat 2.2.6, flexnet_publisher 11.16.2.1, glib 2.56.1, gstreamer 1.14.0, guava 27.0.1, jre (Oracle Java) 1.8.0u202, libicu 61.0, libpng 1.6.36, openssl 1.0.2r, perl 5.28.1, python 3.6.8, qt 5.11.3, ccl_sqlite3 3.26.0, sqlite3 (python) 3.26.0, sqlite3 (qt) 3.27.2, xerces-c++ 3.2.2, and zlib 1.2.11, which include functional and security updates. Users should update to the latest version of Quartus Prime design software as soon as possible.

✓ The Quartus Prime Lite software version 18.1 supports the following device families: Arria II, Cyclone 10 LP, Cyclone IV, Cyclone V, MAX II, MAX V, and MAX 10 FPGA. [More](#)

Combined Files Individual Files Additional Software Updates

Download and install instructions: [More](#)

[Read Intel FPGA Software v18.1 Installation FAQ](#)

[Quick Start Guide](#)

Select All

Quartus Prime Lite Edition (Free)

Quartus Prime (includes Nios II EDS)
Size: 1.7 GB MD5: F0D752D67B18C89FBC0043CEE676896D

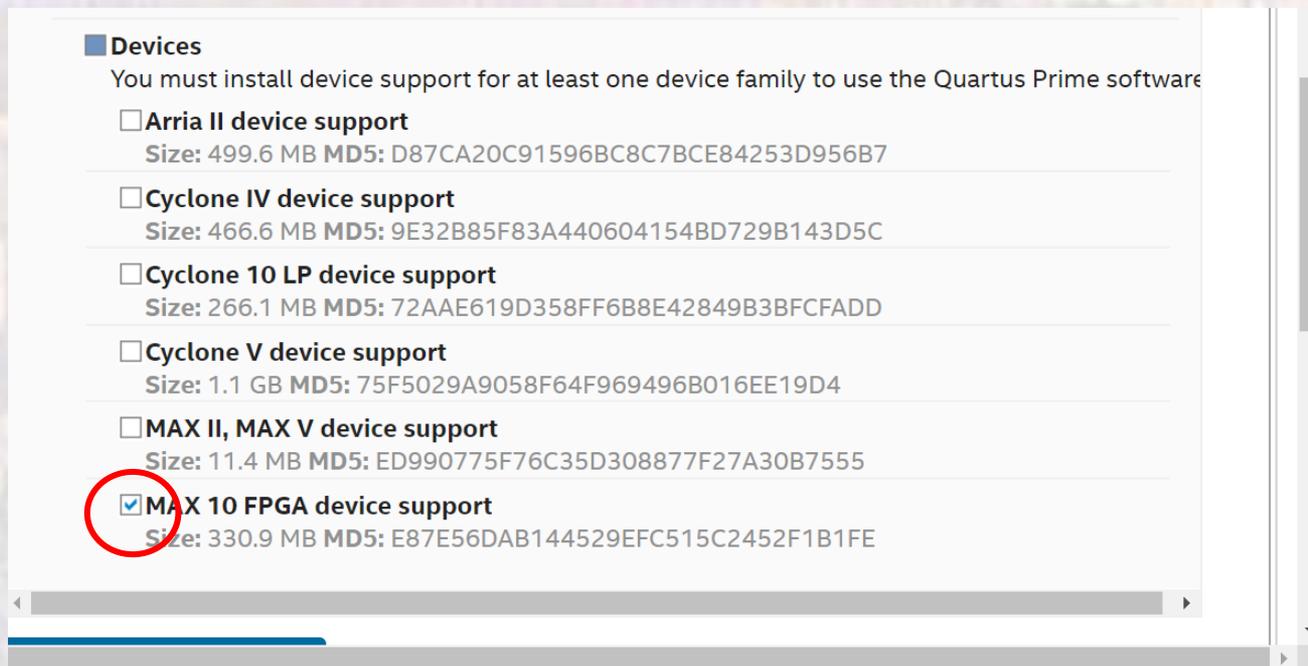
ModelSim-Intel FPGA Edition (includes Starter Edition)
Size: 1.1 GB MD5: 7FDBE5899A9929AEDD517F410079AA35

Devices

Updates Available

Quartus Prime Setup

- Quartus Prime – Setup
 - Scroll down
 - Select the MAX 10 FPGA device support download button



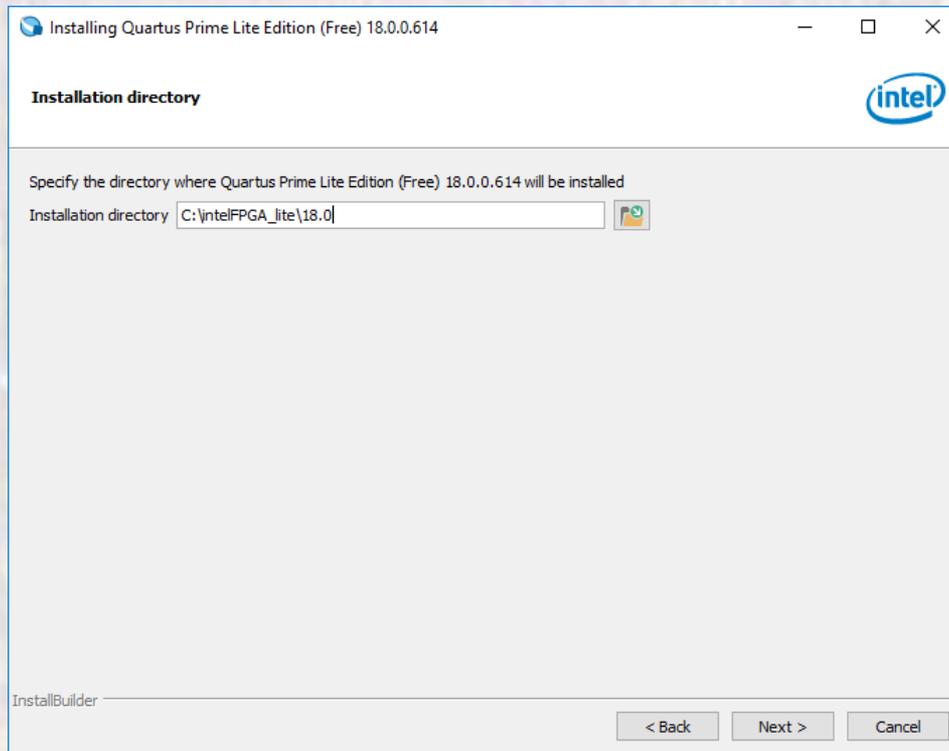
Quartus Prime Setup

- Quartus Prime – Setup
 - Go to your download location
 - All three downloads should be visible
 - Select [QuartusLiteSetup-18.0.0.614-windows.exe](#)
 - The version number may be slightly different
 - Do not do this until after you download the device information from the previous slide

	max10-18.0.0.614.qdz	8/24/2018 2:15 PM	QDZ File	338,761 KB
	ModelSimSetup-18.0.0.614-windows	8/24/2018 2:10 PM	Application	1,161,757 KB
<input checked="" type="checkbox"/>	 QuartusLiteSetup-18.0.0.614-windows	8/24/2018 1:58 PM	Application	1,774,034 KB
	FF3921 Informal Lab Report (1)	8/24/2018 9:48 AM	Microsoft Word D...	28 KB

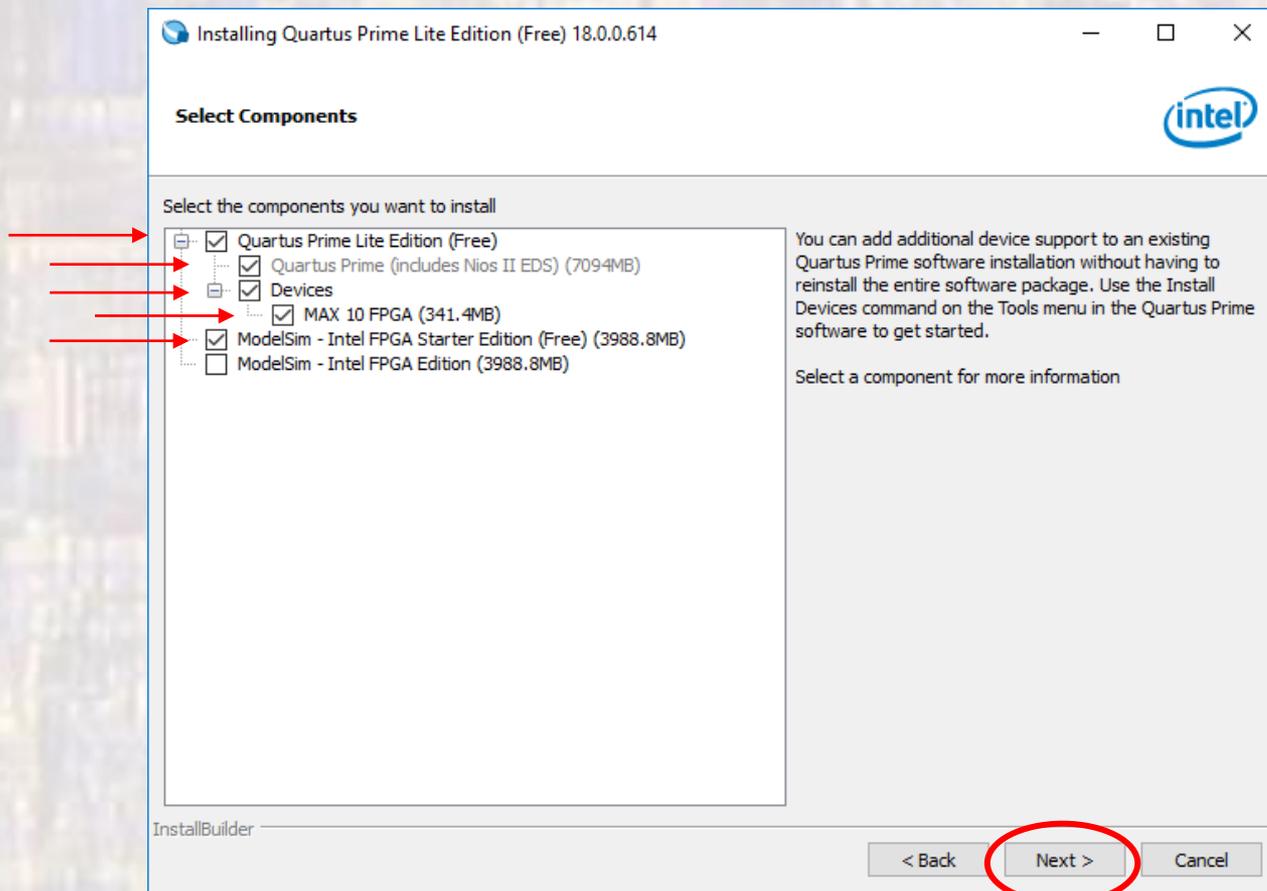
Quartus Prime Setup

- Quartus Prime – Setup
 - Setup Wizard
 - Select “Next”
 - Accept the agreement
 - Keep the default installation directory



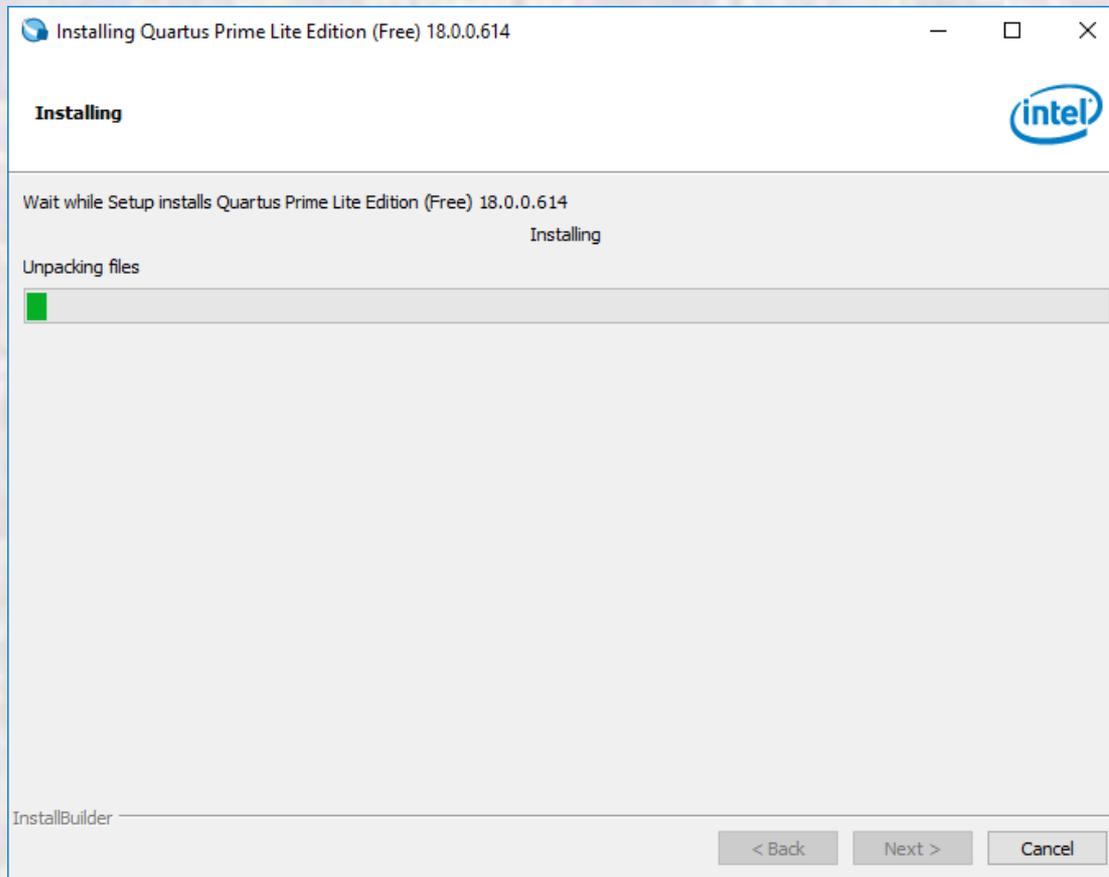
Quartus Prime Setup

- Quartus Prime – Setup
 - Setup Wizard
 - Your selections may be different



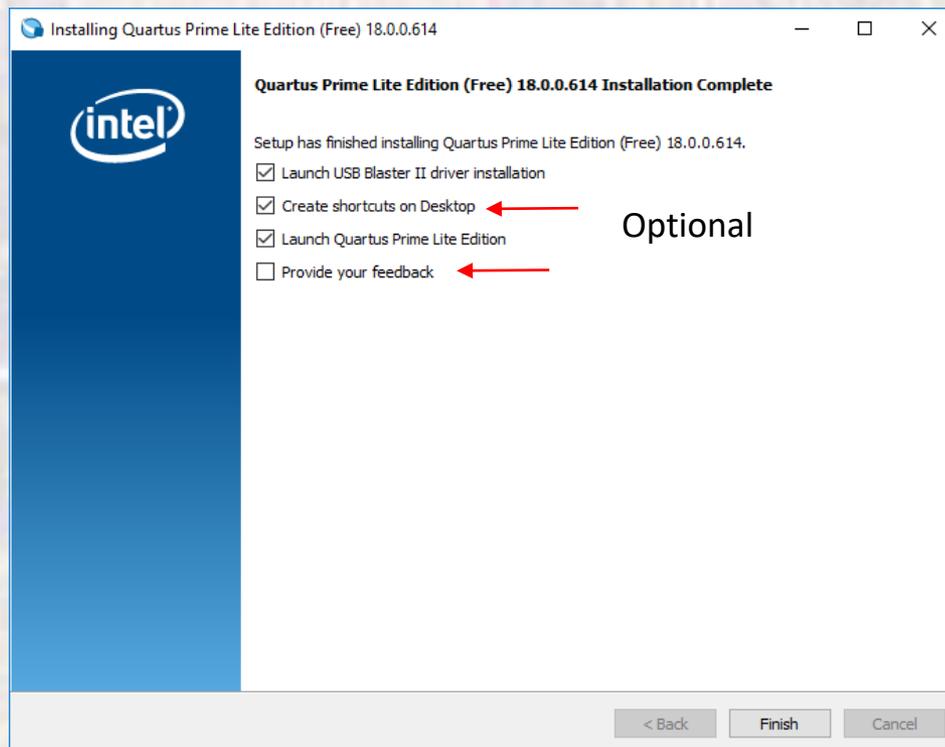
Quartus Prime Setup

- Quartus Prime – Setup
 - Setup Wizard
 - This may take a while so be patient



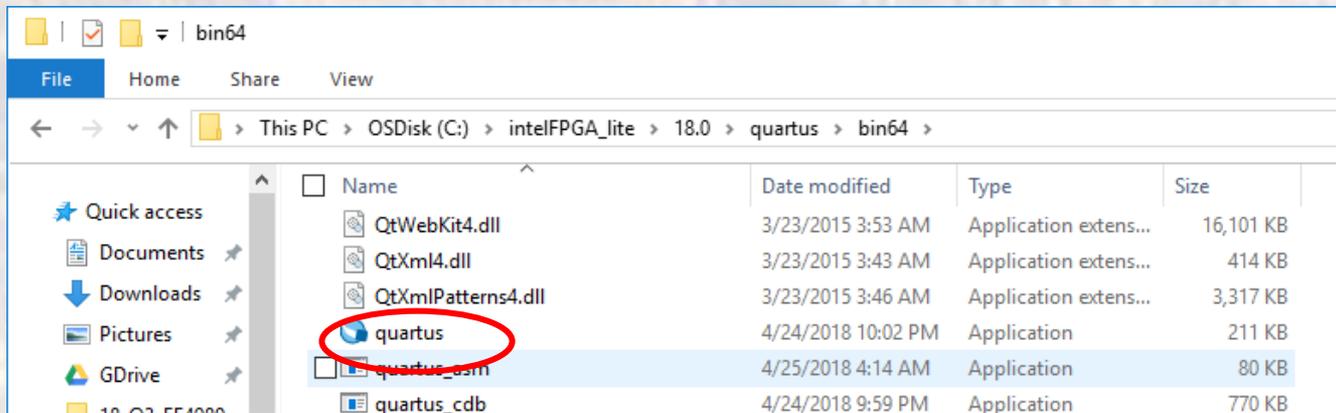
Quartus Prime Setup

- Quartus Prime – Setup
 - Setup Wizard
 - Launch the USB Blaster II driver installation
 - Create a desktop shortcut if you wish
 - Check the “Provide Feedback” box if you wish



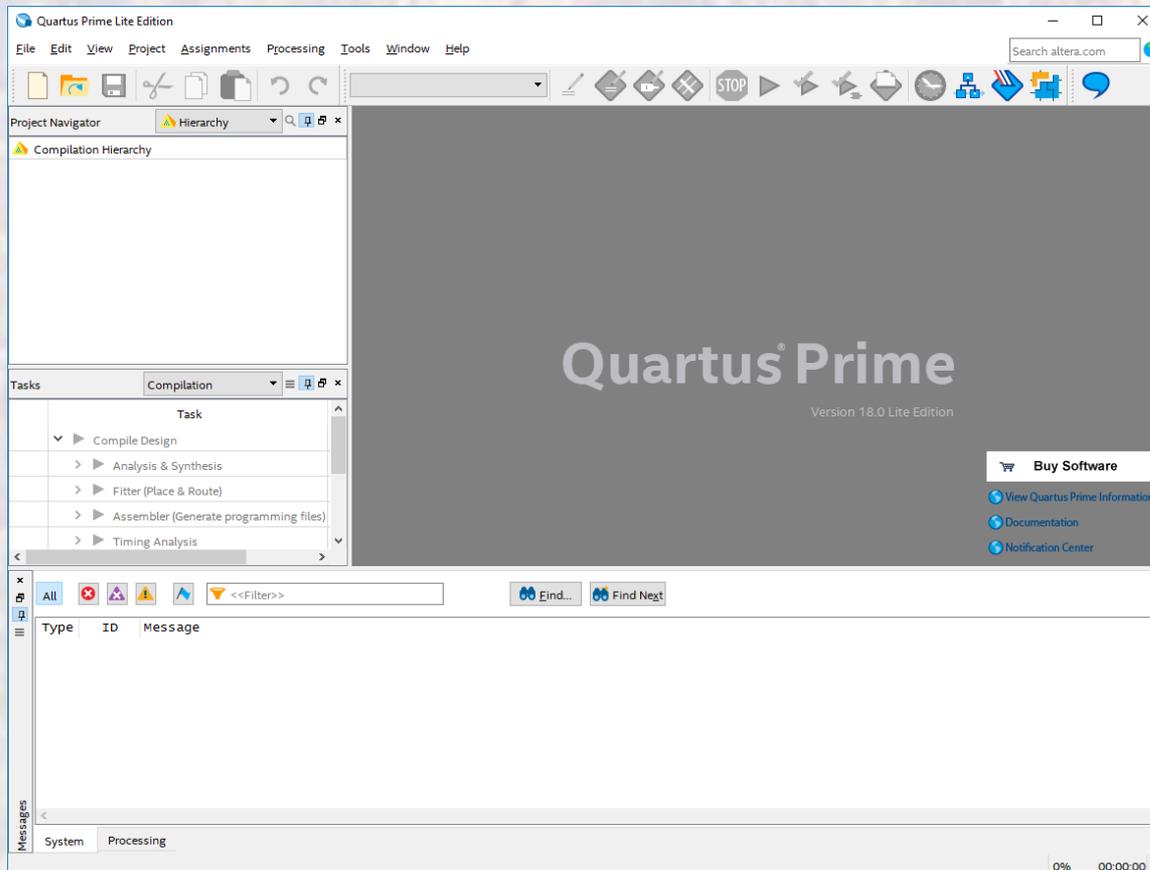
Quartus Prime Setup

- Quartus Prime – Startup
 - Start Quartus
 - Use your desktop app
or
 - Traverse to *install_dir/intelFPGA_lite/18.0/quartus/bin64* (assuming your machine is 64 bit)
 - Select the *quartus* application file



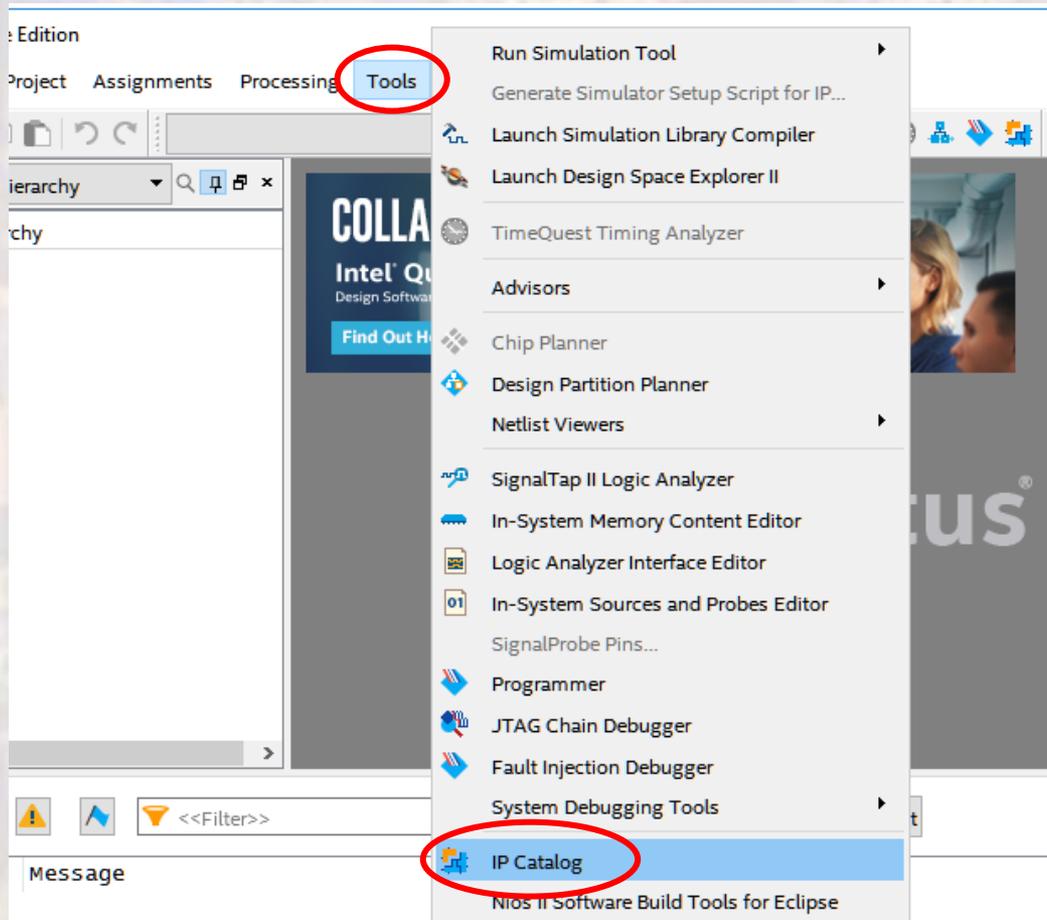
Quartus Prime Setup

- Quartus Prime – Startup
 - Start Quartus
 - You should now see the following window



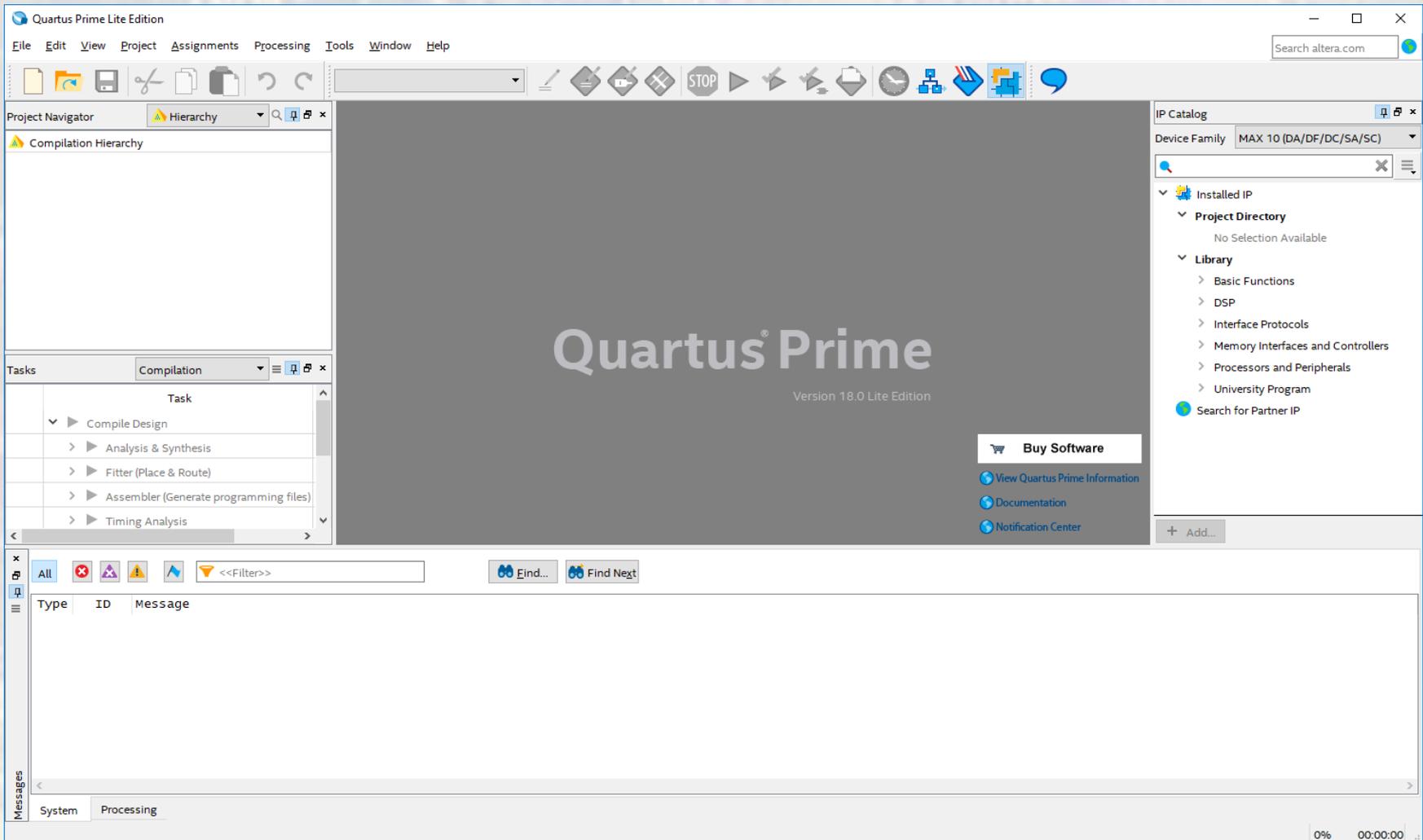
Quartus Prime Setup

- Quartus Prime – Startup
 - Select **Tools** -> **IP Catalog**



Quartus Prime Setup

- Quartus Prime – Startup



Quartus Prime Setup

- Quartus Prime – Startup

Congratulations !!!!