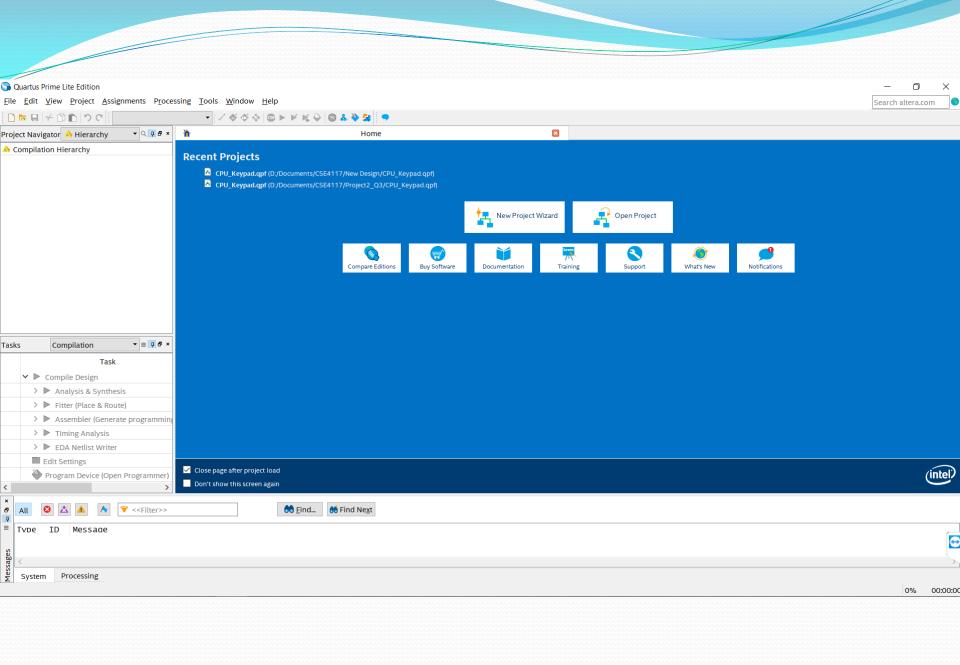
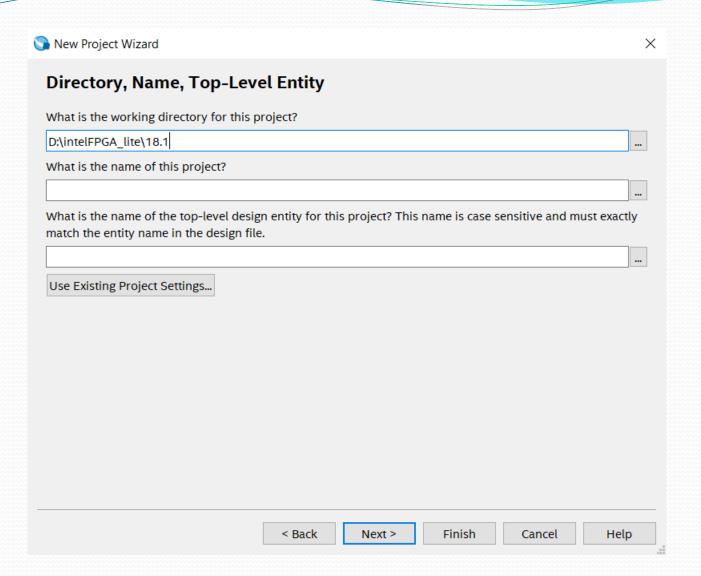
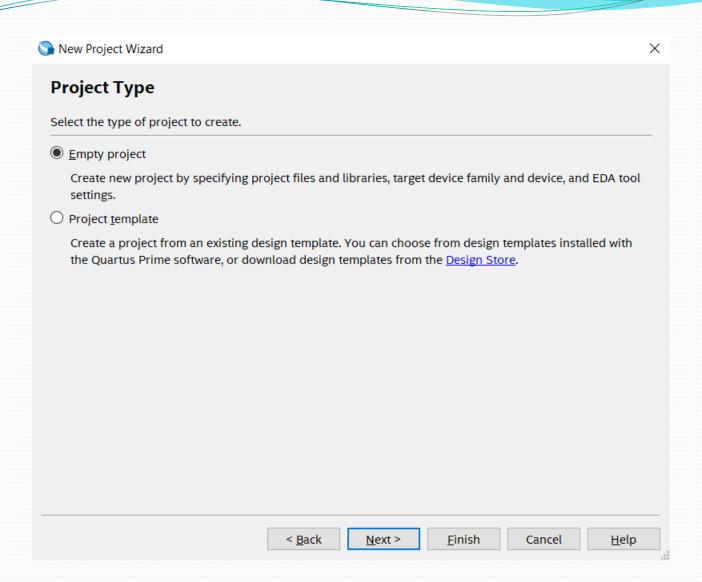
First Project Example For FPGA With Quartus







S New Project Wizard

Family, Device & Board Settings

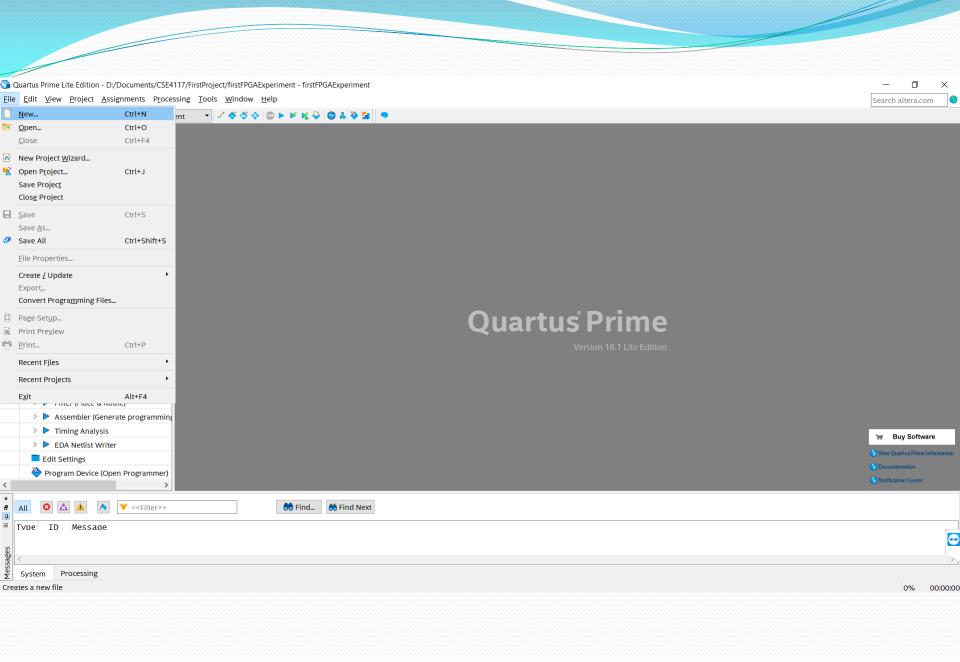
Board

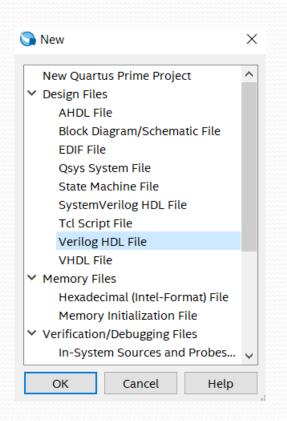
Select the family and device you want to target for compilation. You can install additional device support with the Install Devices command on the Tools menu.	
To determine the version of the Quartus Prime software in which your target device is supported, refer to the	evice Support List webpage.
Device family	Show in 'Available devices' list
Eamily: Cyclone IV E ▼	Pac <u>k</u> age: Any ▼
Dev <u>i</u> ce: All	Pin <u>c</u> ount: Any ▼
Target device	Core sp <u>e</u> ed grade: Any ▼
○ <u>A</u> uto device selected by the Fitter	Name filter:
Specific device selected in 'Available devices' list	✓ S <u>h</u> ow advanced devices
Other: n/a	

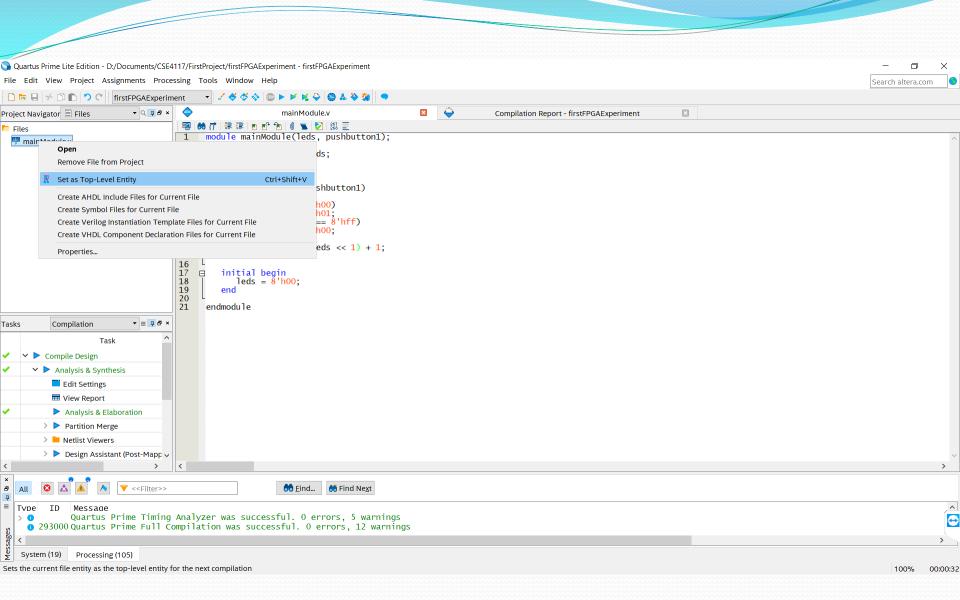
Available devices:

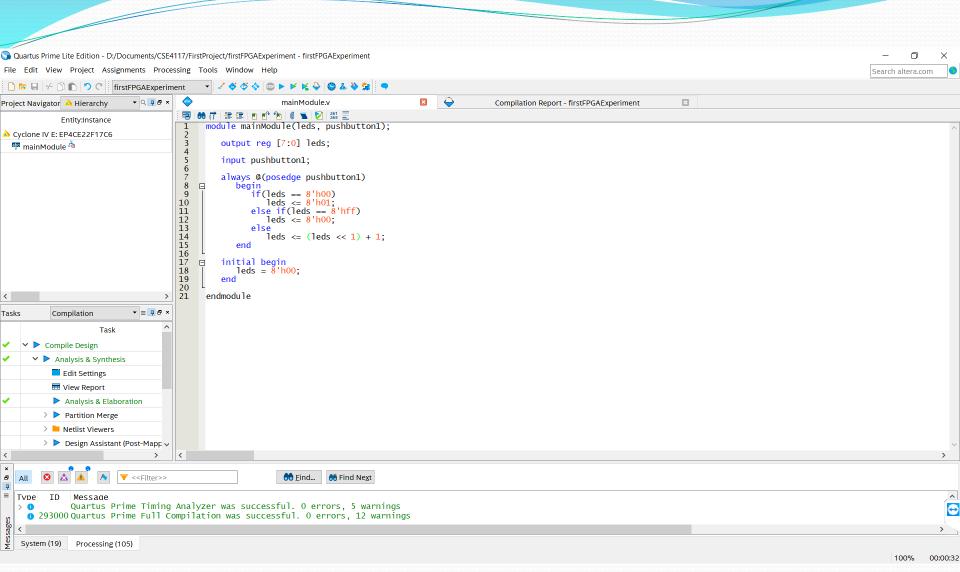
Device

Name	Core Voltage	LEs	Total I/Os	GPIOs	Memory Bits	Embedded multiplier 9-bit elements	PLLs	Global Clocks	
EP4CE22E22C8	1.2V	22320	80	80	608256	132	4	20	
EP4CE22E22C8L	1.0V	22320	80	80	608256	132	4	20	
EP4CE22E22C9L	1.0V	22320	80	80	608256	132	4	20	
EP4CE22E22I7	1.2V	22320	80	80	608256	132	4	20	
EP4CE22E22I8L	1.0V	22320	80	80	608256	132	4	20	
EP4CE22F17A7	1.2V	22320	154	154	608256	132	4	20	
EP4CE22F17C6	1.2V	22320	154	154	608256	132	4	20	
EP4CE22F17C7	1.2V	22320	154	154	608256	132	4	20	
EP4CE22F17C8	1.2V	22320	154	154	608256	132	4	20	
EP4CE22F17C8L	1.0V	22320	154	154	608256	132	4	20	
EP4CE22F17C9L	1.0V	22320	154	154	608256	132	4	20	
EP//CE22E17I7	1 2V	22320	15/	15/	608256	132	1	20	

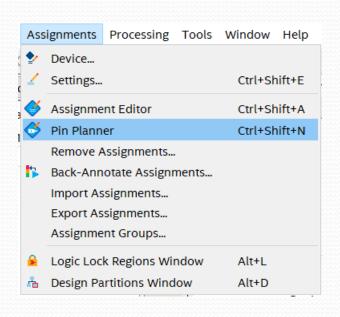






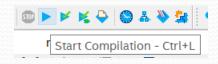




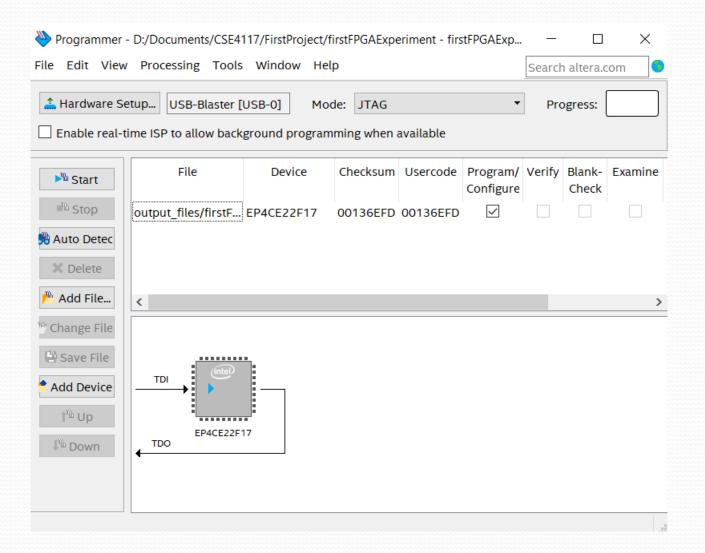


Node Name	Direction	Location	I/O Bank	VREF Group	I/O Standard	Reserved	ırrent Streng	Slew Rate	ifferential Pai	ict Preservat
eut leds[7]	Output				2.5 Vfault)		8mA (default)	2 (default)		
out leds[6]	Output				2.5 Vfault)		8mA (default)	2 (default)		
^{out} leds[5]	Output				2.5 Vfault)		8mA (default)	2 (default)		
out leds[4]	Output				2.5 Vfault)		8mA (default)	2 (default)		
^{out} leds[3]	Output				2.5 Vfault)		8mA (default)	2 (default)		
^{out} leds[2]	Output				2.5 Vfault)		8mA (default)	2 (default)		
^{out} leds[1]	Output				2.5 Vfault)		8mA (default)	2 (default)		
^{out} leds[0]	Output				2.5 Vfault)		8mA (default)	2 (default)		
- pushbutton1	Input				2.5 Vfault)		8mA (default)			
< <new node="">></new>										

ut leds[7]	Output	PIN_L3	2	B2_N0	2.5 Vfault)	8mA (default) 2 (default)
Leds[6]	Output	PIN_B1	1	B1_N0	2.5 Vfault)	8mA (default) 2 (default)
≝ leds[5]	Output	PIN_F3	1	B1_N0	2.5 Vfault)	8mA (default) 2 (default)
≝ leds[4]	Output	PIN_D1	1	B1_N0	2.5 Vfault)	8mA (default) 2 (default)
≝ leds[3]	Output	PIN_A11	7	B7_N0	2.5 Vfault)	8mA (default) 2 (default)
≝ leds[2]	Output	PIN_B13	7	B7_N0	2.5 Vfault)	8mA (default) 2 (default)
ut leds[1]	Output	PIN_a13	7	B7_N0	2.5 Vfault)	8mA (default) 2 (default)
🖐 leds[0]	Output	PIN_A15	7	B7_N0	2.5 Vfault)	8mA (default) 2 (default)
pushbutton1	Input	PIN_J15	5	B5_N0	2.5 Vfault)	8mA (default)
<new node="">></new>						







Necessary Files

User Manual

• http://www.ti.com/lit/ug/tidu737/tidu737.pdf