



Product Change Notification

Change Notification #: 118532 - 00
Change Title: Select Intel® FPGA devices,
PCN 118532-00, Software,
Discontinuance of Selected Intel® Quartus®
II and Intel® Quartus® Prime Software
Subscription & Web Editions
Date of Publication: October 1, 2021

Key Characteristics of the Change:

Software

Forecasted Key Milestones:

Intel Quartus II software version	Last Date for Downloads
Intel Quartus II and Intel Quartus Prime software Subscription Edition and Intel Quartus II and Intel Quartus Prime software Web Edition released from 2014 (starting with Quartus II Subscription and Web Editions version 14.0) through 2016 (Intel Quartus Prime Pro/Standard/Lite edition 16.1)	December 22, 2021

Description of Change to the Customer:

This is the same change described in ADV2135 issued on September 23, 2021.

Intel is announcing the discontinuance of certain older versions of **Intel® Quartus® II and Intel® Quartus® Prime software Subscription Edition and Intel Quartus II and Intel® Quartus® Prime software Web Edition** released from 2014 (starting with Quartus II Subscription and Web Editions version 14.0) through 2016 (Intel Quartus Prime Pro/Standard/Lite edition 16.1). The versions covered by this announcement include all variants of these versions that support different operating systems.

This product discontinuance applies only to these older versions of the Intel Quartus software, not to the related Intel FPGA and CPLD devices. The software versions will no longer be available for download after Dec 22nd, 2021, do not include the latest functional and security updates, and will not be supported with any additional functional, security, or other updates. All versions are provided as is.

Customer Impact of Change and Recommended Action:

Intel recommends uninstalling and discontinuing use of the affected software versions, and upgrade to the latest available software version compatible with your Intel FPGA or CPLD device (see Table 2). Refer to Table 1 for the list of discontinued software versions. Users should keep their software up-to-date and follow the technical security recommendations detailed below.

Users with a device compatible with Intel Quartus software version 17.0 or above can update to newer software versions with functional and security updates. Users should install the latest version upon release and keep software up to date.

If your current device does not work with version 17.0 or above, you will not be able to update to a version with additional functional and security updates at any time.

Table 1 identifies the latest software available for your Intel FPGA and CPLD devices and the devices (product families) affected with this software discontinuance.

It is important to note that this notification is not a device part number discontinuance and there is no change associated with availability of the device part numbers.

Table 1

Impacted Intel Quartus versions
Quartus II Subscription and Web Edition 14.0
Quartus II Subscription and Web Edition 14.1
Quartus II Subscription and Web Edition 15.0
Quartus II Subscription and Web Edition 15.1
Intel Quartus Prime Software version 16.0 (Pro/Standard/Lite editions)
Intel Quartus Prime Software version 16.1 (Pro/Standard/Lite editions)

Note: In addition, software released with the above versions will no longer be available for download.

Examples: Intel FPGA SDK for OpenCL™, ModelSim - Intel FPGA Edition (and Starter Edition), ModelSim - Altera FPGA Edition (and Starter Edition), and DSP Builder for Intel® FPGAs.

Table 2

Device	Upgrade to Latest Intel Quartus Prime Software Version		
	Pro	Standard	Lite
MAX 10	Not Supported	Yes	Yes
Cyclone V E/GX/GT			
Cyclone V SE/SX (SoC)			
Cyclone IV E/GX			
MAX V			
Arria II GX/GZ			
MAX II			
MAX II G/Z			Not supported
Stratix IV			
Stratix V E/GX/GS			
Stratix V GT			
Arria V			
Arria V GZ/GT			
Arria V SX/ST (SoC)			
Arria 10	Yes		

Technical Security Recommendations: In addition to updating to the latest available software version, Intel recommends that users assess and, as appropriate, adopt the following security practices based on your use case and needs.

You can improve the security of your Intel Quartus Prime installation by following these security recommendations:

- Install the latest tools that support your design.
- During installation, select only the minimum software components that you require.
- Install the latest version of the Intel Quartus Prime Standard Edition software or Intel Quartus Prime Pro Edition software backwards-compatible components that require connection to network or FPGA hardware device (FPGA Software Download Center, Additional Software tab):
 - FLEXlm License Server Software
 - Intel Quartus Prime Programmer and Tools, which includes Intel Quartus Programmer, JTAG utilities, and USB-Blaster Drivers
- Turn off the following optional features that connect to the Internet:
 - Check for software updates: Tools menu > Options, Internet Connectivity; Disable options under Startup
 - Crash reporter: Tools menu > Options, Internet Connectivity tab, Problem report; Disable Always send report to Intel when internal error occurs (command-line only)
 - Talkback: Tools menu > Options, Internet Connectivity, TalkBack Options; Disable Turn on the Intel Quartus II software TalkBack feature option if you were using Intel Quartus II software edition 16.0 and below
- Install and run the Intel Quartus Prime software or Intel Quartus II under unprivileged system accounts (No root/administrator privileges).
- Set your firewall rules to block network connectivity for any of the Intel Quartus II, Intel Quartus Prime, or ModelSim* component:
 - Allow traffic only to the FlexLM license server or use a node-locked fixed license instead of a network floating license.
- Use System Console and related on-chip debug tools in a secure environment by opening ports (assigned when installing the server) only for inter-process communication on local machine.

Products Affected / Intel Ordering Codes:

To facilitate review, the list of device part numbers (OPNs) affected by the software discontinuance can be downloaded in Excel form:

<https://www.intel.com/content/dam/www/programmable/us/en/pdfs/literature/pcn/adv2135-opn-list.xlsx>

PCN Revision History:

Date of Revision:	Revision Number:	Reason:
October 01, 2021	00	Originally Published PCN



Product Change Notification

118532-00

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The products described in this document may contain design defects or errors known as errata which may cause the product to deviate from published specifications. Current characterized errata are available on request.

Should you have any issues with the timeline or content of this change, please contact the Intel Representative(s) for your geographic location listed below. No response from customers will be deemed as acceptance of the change and the change will be implemented pursuant to the key milestones set forth in this attached PCN.

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