



Product Change Notification

Change Notification #: 117656 - 00
Change Title: Intel® Programmable Acceleration Card (PAC) with Intel Arria®10 GX FPGA, PCN 117656-00, Intel® Acceleration Stack for Intel® Xeon® CPU with FPGAs v1.0 & v1.1 Support Discontinuance
Date of Publication: June 19, 2020

Key Characteristics of the Change:

Software

Forecasted Key Milestones:

Milestone	Date
Support Discontinuance for Intel Acceleration Stack for Xeon CPUs with FPGAs v1.0 & v1.1 for Intel Programmable Acceleration Card with Intel Arria 10 GX FPGA	September 30 th 2020
Last Date to Download BittWare BittWorks II Toolkit Lite	July 31 st 2020

Description of Change to the Customer:

Intel® will discontinue support for Intel® Acceleration Stack for Intel® Xeon® CPUs with FPGAs v1.0 and v1.1 for Intel® Programmable Acceleration Card (PAC) with Intel® Arria® 10 GX FPGA starting **September 30th, 2020**. Users that are currently running the Intel® Acceleration Stack for FPGAs versions 1.0 or 1.1 who may update to v1.2 or later should immediately download the BittWare BittWorks II Toolkit Lite for Intel® PAC and firmware by **July 31th, 2020**. The tool and firmware are both required for updating from v1.0 to v1.1 and from v1.1 to v1.2. (Once a card has v1.2 installed, the BittWare BittWorks II Toolkit Lite is no longer required).

Please visit BittWare's developer site to download files from BittWare's PAC Support Center:

- [BittWare Developer Site Homepage](#)
- [BittWare BittWorks II Toolkit Lite](#)
- [Intel® PAC Arria 10 GX BMC Firmware and Boot Loader](#)

If you are not able to access BittWare's PAC Support Center, access can be requested here:

<https://www.bittware.com/fpga/intel/boards/pac-arria-10/>

Table 1: Intel Acceleration Stack Support Summary

Stack Version	Support Status	Update Summary	Resources
v1.2.1 Released Q1' 2020	Intel will continue support for v1.2.1	Users that have updated to v1.2.1 have no action at this time	Download files for v1.2.1
v1.2 Released Q4' 2018	Intel will continue support for v1.2	Please review ADV2010 for guidance on updating to v1.2.1	ADV 2010
v1.0/1.1 Released 2017	Intel support for v1.0/ v1.1 ends on Sept 30, 2020	Please review update recommendations below	ADV 1821

Customer Impact of Change and Recommended Action:

Please refer to **Section 5** of the v1.2.1 [Quick Start Guide](#) to determine FPGA Interface Manager (FIM) and Board Management Controller (BMC) version that needs to be installed. Please review [ADV 2010](#) to determine when updating to v1.2.1 is right for you.

Table 2: Update Recommendations

Stack Version	Recommendation	Update Summary	BMC Version
From v1.0 to v1.1	First update to v1.1. Then update to v1.2.	<ul style="list-style-type: none"> ▪ v1.1 Resource Files ▪ (Refer to “ug-qs-ias-v1-1.pdf”) ▪ BittWare BittWorks II Toolkit-Lite Software ▪ (version: Release 2017.4) 	Update to 26822
From v1.1 to v1.2	Please update to v1.2.	<ul style="list-style-type: none"> ▪ v1.2 Resource Files ▪ (Refer to “ug-qs-ias-v1-2.pdf”) ▪ BittWare BittWorks II Toolkit-Lite Software (version: Release 2018.6) 	Update to 26889 (bootloader 26879)
From v1.2 to v1.2.1	Review ADV 2010 to determine when v1.2.1 is right for you.	Download files for v1.2.1	Update to 26895 (bootloader 26895)

Additional Considerations:

- Updating the PAC Arria 10 GX to v1.1, v1.2, and v1.2.1 is irreversible.
- Users of v1.0/v1.1 will need to update cards to v1.2 before updating to v1.2.1
- Intel is currently shipping v1.2 to customers and OEMs.
 - There is no current planned date to ship PAC Arria 10 GX with v1.2.1 preinstalled. Intel will continue to ship v1.2 on PAC Arria 10 GX.
 - Intel is no longer broadly shipping PAC Arria 10 GX with v1.0 or v1.1 preinstalled.

Contact:

For questions or support, please contact your local Field Applications Engineer (FAE), or submit a question or request at the My Intel support page, log-in via: <https://www.intel.com/content/www/us/en/my-intel/fpga-sign-in.html>

Products Affected / Intel Ordering Codes:

Table 3: Intel Part Numbers that may have v1.1 or earlier

Part Number	MMID	Revision of IAS
BD-ACD-10AX1152D*	983173	1.1
DK-ACB-10AX1152AES*	980017	1.1
BD-ACD-10AX1152F	983135	1.1
BD-ACD-10AX1152A	980018	1.1
BD-ACD-10AX1151D	980015	1.0
DK-ACB-10AX1151AES	980016	1.0

*This part number may have v1.2 preinstalled. Please refer to Section 5 of the v1.2.1 [Quick Start Guide](#) to identify the flash image and BMC version installed.

PCN Revision History:

Date of Revision:

June 19, 2020

Revision Number:

00

Reason:

Originally Published PCN



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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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