



Product Change Notification

Change Notification #: 114233 - 00

Change Title: The Intel® Ethernet Converged Network Adapter XL710-QDA Series

PCN 114233-00, Product Design, Product Material

Board Design and Firmware Update and Silicon Update

Date of Publication: December 11, 2015

Key Characteristics of the Change:

Product Design, Product Material

Forecasted Key Milestones:

Date Customer Must be Ready to Receive Post-Conversion Material:	Dec 28, 2015
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Description of Change to the Customer:

The Intel® Ethernet Converged Network Adapter XL710-QDAx will undergo the following changes:

- Board design & heat sink changes to improve system ESD compliance to Intel standard 25-GS0009 requirements in a wider range of commercial systems and chassis.
- Planned Firmware Update. Support provided with Intel NVM (4.53) and software driver in Release 20.4.1 (a.k.a. FVL4).
- Silicon change from Fortville B0 to B1. The B1 revision fixes the logical issue in the XL710 40Gbe MAC with a minor change to the metal layers.
 - The B1 revision will be structurally and electrically the same as B0
 - B1 was validated and fully qualified as a B0 replacement for all modes
 - Intel does not anticipate any ESD or regulatory impact with B1
 - All B0 firmware or software will work as expected on B1

As a result of this change, the PBA (printed board assembly) and TA (top assembly) numbers will roll as noted in the affected products table within this PCN notice. If the PBA/TA numbers are printed on any product or box labels, those will show the PBA/TA dash roll as well. Please reference Table detail under 'Products Affected' below.

Customer Impact of Change and Recommended Action:

This change updates the NVM and Firmware to NVM version 4.53 on the card. Those changes include errata fixes outlined in the Intel XL710 Specification Update (v.2.7, Oct.2015) and adds features outlined in the Intel® Ethernet Controller XL710 Feature Support Matrix. Intel does not expect any impact to customers from these changes, but encourages customers to understand the changes and determine the impact to their applications.

Support doc: <https://www-ssl.intel.com/content/www/us/en/embedded/products/networking/xl710-ethernet-controller-feature-matrix.html>

Spec update: <https://www-ssl.intel.com/content/www/us/en/embedded/products/networking/xl710-10-40-controller-spec-update.html>

Customers who wish to update their older boards to the new Firmware can access the Release Notes information and the utility to update at the following link:

<https://downloadcenter.intel.com/download/25432/Intel-Ethernet-Connections-CD>

Customers can expect to receive mixed inventory until current inventory levels are depleted. Please contact your local Intel Field Sales Rep if you have any further questions about these changes.

Products Affected / Intel Ordering Codes:

Product Code	MM#	Pre Change TA	Pre Change PBA	Post Change TA	Post Change PBA
XL710QDA1	932583	H27783-004	H57400-004	H27783-005	J11357-001
XL710QDA1BLK	932584	H27798-004	H57400-004	H27798-005	J11357-001
XL710QDA2	932586	H28564-003	H57401-003	H28564-004	J11363-001
XL710QDA2BLK	932587	H28567-003	H57401-003	H28567-004	J11363-001

PCN Revision History:

Date of Revision:

December 11, 2015

Revision Number:

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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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