



Product Change Notification

Change Notification #: 114380 - 00
Change Title: The Intel® Ethernet I/O Module XL710-QDA1, Product Code AXX1P40FRTIOM, MM# 933742 and the Ethernet I/O Module XL710-QDA2, Product Code AXX2P40FRTIOM, MM# 933743 PCN 114380-00, Product Design, Label, Product Material Silicon and Firmware Updates and Label Update

Date of Publication: February 10, 2016

Key Characteristics of the Change:

Product Design

Forecasted Key Milestones:

Date Customer Must be Ready to Receive Post-Conversion Material: Feb 29, 2016

Description of Change to the Customer:

The Intel® Ethernet I/O Module XL710-QDA1 (School Flat SP) and XL710-QDA2 (School Flat DP) will undergo the following changes:

- 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
- Planned Firmware Update. Support provided with Intel NVM (4.53) and software driver in Release 20.4.1 (a.k.a. FVL4).
- 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.

Code Name	Product Name	Product Code	MM#	Pre-Change TA	Post-Change TA	Pre-Change PBA	Post-Change PBA
SF DP	Intel Ethernet I/O Module XL710-QDA2	AXX2P40FRTIOM	933743	H52292-006	H52292-007	H51224-002	H51224-004
SF SP	Intel Ethernet I/O Module XL710-QDA1	AXX1P40FRTIOM	933742	H52294-004	H52294-005	H51421-004	H51421-006

Australia Regulatory Mark Change

- The Australian Communications and Media Authority's (ACMA) labeling arrangements to reflect regulatory compliance changed on 1 March 2013, to be phased in over a three-year transition period. Products shipping March 1, 2016 need to be labeled with the "RCM" mark.
- Per ACMA requirements, Intel will be changing the C-Tick regulatory mark on all products to the "RCM" mark.
- Mark will be updated in two ways, depending on how the current C-Tick mark is already on products:
 - If C-Tick mark is currently on PCB silkscreen, Intel will apply a label with RCM mark to cover current mark.
 - If C-Tick mark is currently printed on a label, Intel will replace the mark so labels will be printed with new mark.
- See for picture of "C-Tick" versus "RCM" mark.

C-Tick Mark



RCM Mark



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 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>

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
AXX1P40FRTIOM	933742	H52294-004	H51421-004	H52294-005	H51421-006
AXX2P40FRTIOM	933743	H52292-006	H51224-002	H52292-007	H51224-004

PCN Revision History:

Date of Revision:
February 10, 2016

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.

Americas Contact: asmo.pcn@intel.com

Asia Pacific/PRC Contact: apacgccb@intel.com

Europe Email: eccb@intel.com

Japan Email: jccb.ijkk@intel.com

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