



# **Product Change Notification**

## **112014 - 00**

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# Product Change Notification

<b>Change Notification #:</b>	<b>112014 - 00</b>
<b>Change Title:</b>	<b>Intel® Ethernet Converged Network Adapter X540-T1 OEM Gen (Twin Pond) X540T1G1P5 MM#914242, Intel® Ethernet Converged Network Adapter X540-T1 retail unit (Twin Pond) X540T1 MM#914246, Intel® Ethernet Converged Network Adapter X540-T2 OEM Gen (Twin Pond) X540T2G1P5 MM#914244, Intel® Ethernet Converged Network Adapter X540-T2 retail unit (Twin Pond) X540T2 MM#914248</b>  <b>PCN 112014-00</b>  <b>Product Material, Documentation, Label</b>  <b>Silicon Change, Marketing Name Change, Add ROHS Flyer, Label Changes</b>
<b>Date of Publication:</b>	<b>February 1, 2013</b>

## Key Characteristics of the Change:

Product Material

Documentation

Label

## Forecasted Key Milestones:

<b>Date Customer Must be Ready to Receive Post-Conversion Material:</b>	Feb 11, 2013
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## Description of Change to the Customer:

The Intel® Ethernet Converged Network Adapter X540-T1 (OEM Gen & retail unit Twin Pond), and Intel® Ethernet Converged Network Adapter X540-T2 (OEM Gen & retail unit Twin Pond) will undergo the following changes:

### 1. Silicon Change

The Intel® Ethernet Converged Network Adapter X540-T1 & X540-T2 will be switching from the Intel® Ethernet Controller X540-AT2 to the Intel® Ethernet Controller X540-BT2. This may result in the following changes:

- Typical power usage will go from 14.3W at 10Gb to 15.8W at 10Gb. See table below.

#### Power Usage                      Watts (typical)

SPEED/LFM	Current Silicon (X540-AT2)		New Silicon (X540-BT2)	
	X540T2	X540T1	X540T2	X540T1
10 Gbps	14.3	9.4	15.8	10.5
1 Gbps	8.7	6.6	9.8	7.2
100 Mbps	6.3	5.5	7.2	6.1
LFM	150	0	200	0

- 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

### 2. Product Name Change:

To further highlight Intel's Unified Networking Support on the latest 10GbE NICs, Intel has changed the brand name for the Twin Pond family of adapters. Previously the Intel® Ethernet Server Adapter X540, these are now named the Intel® Ethernet Converged Network Adapter X540. "Converged Network Adapter," typically abbreviated as "CNA" is a category created and marketed by Cisco\* for 10GbE adapters that also support the storage protocols, iSCSI and/or FCoE. This acronym has become well-known in the industry for devices that support LAN and block and SAN storage.

\* Other names and brands may be claimed as the property of others

3. Add ROHS Flyer:

Add China "EU" RoHS flyer to overpack box. Includes the Intel contact info, per Intel to meet an EU ROHS recast, now officially called ROHS 2, that goes into effect as of 1/1/2013. In this recast, there is a requirement to include the single point of contact address label for items requiring the "CE" mark.



As part of Intel's efforts to be environmentally responsible,  
a CD is no longer included in the box with this adapter.

Download the latest drivers, software, and documentation at:  
<http://www.intel.com/support/go/network/adapter/cd.htm>

关于符合中国《电子信息产品污染控制管理办法》的声明  
Management Methods on Control of Pollution from Electronic Information Products  
(China RoHS declaration)

产品中有毒有害物质的名称及含量

部件名称	有毒有害物质或元素					
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr (VI))	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
印刷板组件	×	○	○	○	○	○

○：表示该有毒有害物质在该部件所有均质材料中的含量均在 SJ/T 11363-2006 标准规定的限量要求以下。  
×：表示该有毒有害物质至少在该部件的某一均质材料中的含量超出 SJ/T 11363-2006 标准规定的限量要求。

For regulatory information go to the user guide:

<http://www.intel.com/support/go/network/adapter/userguide.htm>

For CE Mark-Related Questions:  
Intel Corporation  
Attn: Corporate Quality  
2200 Mission College Blvd  
Santa Clara, CA 95054-1549  
USA

4. Distribution Label Change

Intel Corp is standardizing packaging label formats across the corporation. This will facilitate easier receiving for the end customer.

Intel will begin implementation of UPC and EAN (European Article Number) codes on the product outer case labels.

The online product catalog (ARK) will be updated with the new UPC & EAN info.

A new line of text will be added that states either:

- Product is individually labeled for resale.
- Product is not individually labeled for resale.

Additional fields are being added to display the outer case UPC and EAN codes for overall carton quantity. New UPC codes for individual boxes are also being added.

2D matrix label will be added for easier product information scanning.

Customers should be aware that UPC and EAN codes on the outer case carton labels will be changed and that they may need to update their incoming receiving operations. Customers may receive both current and new inventory as the implementation occurs. See below for numbers and examples.

Product Code	MM#	UPC	EAN	OBL UPC	OBL EAN
X540T1G1P5	914242	735858243803	5032037038423	NA	NA
X540T2G1P5	914244	735858239059	5032037033824	NA	NA
X540T1	914246	735858259323	5032037049818	735858243810	5032037038430
X540T2	914248	735858259330	5032037049825	735858239066	5032037033831

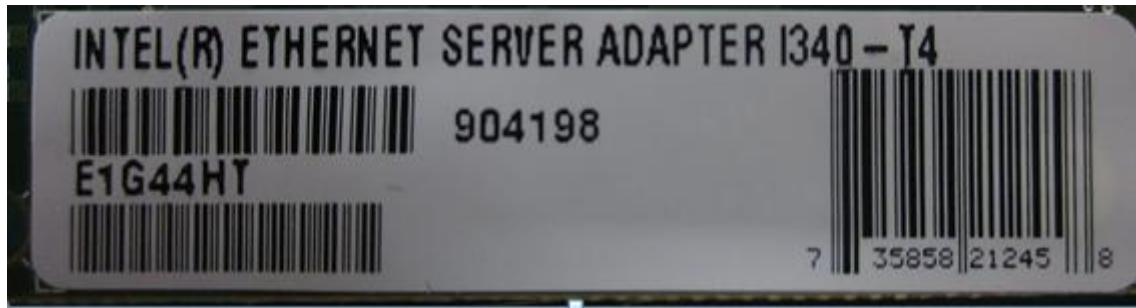
Example of old & new disti (for overpack boxes) & outer box (for retail single boxes) labels below:

Existing Label (Example only)	New Label (Example only)
<p>MM: 904198 QTY: 10  BATCH: MYAD29FSCH  PCODE: E1644HT  CARTON: AD22739006  INTEL(R) ETHERNET SERVER ADAPTER 1340-T4  E1644HT, SINGLE PACK  Intel(R) E2500, 1G, DUAL PORT, COPPER  RETAIL  VERSION: E76877-005  DATE: 09/15/2012  PKG: IN MALAYSIA  DATE: 09/2012  CPU-E5268 (B)  2nd M Intct  HF- @D@D  N232  Intel Microelectronics Asia  8 Fir. 205, Tun-Hua North Rd  Taipei  033025  Türkiye Cumhuriyeti: EEE Yönetmeliğine Uygundur</p>	<p>Product inside is not labeled for individual resale</p> <p>Product Code: PFFFFFFFFFFFFFFFFF</p> <p>U P C 7 35858 12345 7      E A N 0 123456 789128</p> <p>Version: VVVVVV-VVV  Date: 10/05/2012</p> <p>MM#: MMMMMM      Enclosed S/N's:</p> <p>Batch#: BBBB88888</p> <p>Carton: CCCCCCCCC</p> <p>Qty: QQQ</p> <p>Made in Malaysia</p> <p>Product Description Line 1  Product Description Line 2  Product Description Line 3  Product Description Line 4</p> <p>DATE: MM/YYYY  KCC-REM-CPU-KKKKK</p> <p>Intel Microelectronics Asia  8 Fir. 205, Tun-Hua North Rd  Taipei  033025      N232      CE</p>
<p>FOLD HERE  INTEL(R) ETHERNET SERVER ADAPTER 1350-F2  1350F2, SINGLE PACK  1350 R1, 1G, DUAL PORT, ADAPTER  RETAIL  MADE IN MALAYSIA  VERSION: 626026-001  DATE: 10/20/2011  2nd M Intct  HF- @D@D  N232  Intel Microelectronics Asia  8 Fir. 205, Tun-Hua North Rd  Taipei  033025  DATE: 10/2011  KCC-REM-CPU-G21286  Türkiye Cumhuriyeti: EEE Yönetmeliğine Uygundur</p>	<p>Product Description Line 1  Product Description Line 2  Product Description Line 3  Product Description Line 4</p> <p>Version: VVVVVV-VVV  Date: 10/05/2012</p> <p>Product Code: PFFFFFFFFFFFFFFFFF</p> <p>U P C 7 35858 12345 7      E A N 0 123456 789128      MM#: MMMMMM</p> <p>S/N: SSSSSSSSSSSSSSSSSSSSS      Batch#: BBBB88888</p> <p>Made in Malaysia</p>

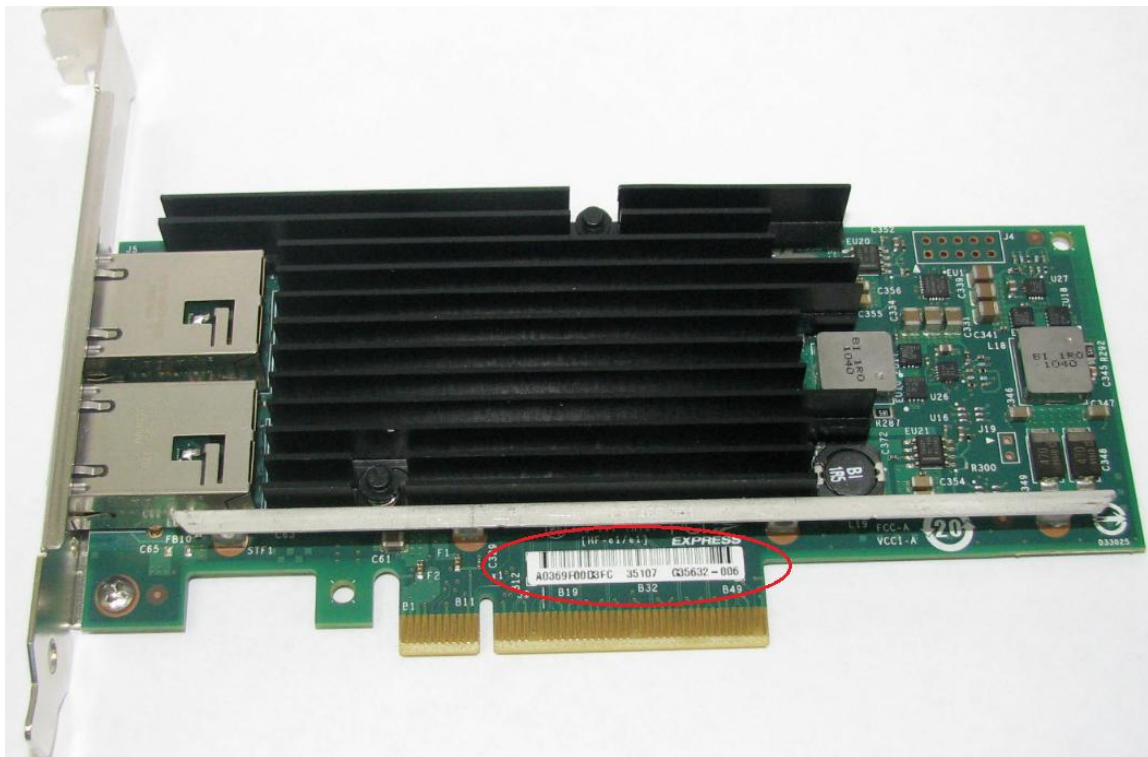
5. Product Label Change

Intel is removing the UPC code on the PBA Product ID label. The Product ID label is currently placed on either the front or back of the Printed board (PB).

Current label **example only**:



New label example:



## Customer Impact of Change and Recommended Action:

Customers can expect to receive mixed inventory until current inventory levels have been depleted.

Please contact your local Intel Field Sales Rep if you have any further questions about these changes.

## Products Affected / Intel Ordering Codes:

Product Name	Product Code	MM#	Pre Change TA	Post Change TA	Pre Change PBA	Post Change PBA
<i>New Product Name</i>						
Intel® Ethernet Converged Network Adapter X540-T1 OEM Gen (Twin Pond) <i>Intel® Eth Converged Network Adapter X540 - T1</i>	X540T1G1P5	914242	G54504-003	G54504-004	G54369-004	G54369-005
Intel® Ethernet Converged Network Adapter X540-T2 OEM Gen (Twin Pond) <i>Intel® Eth Converged Ntwk Adptr X540 - T2</i>	X540T2G1P5	914244	G45588-002	G45588-003	G36748-004	G36748-005
Intel® Ethernet Converged Network Adapter X540-T1 retail unit (Twin Pond) <i>Intel® Eth Converged Network Adapter X540 - T1</i>	X540T1	914246	G56796-003	G56796-004	G54042-004	G54042-005
Intel® Ethernet Converged Network Adapter X540-T2 retail unit (Twin Pond) <i>Intel® Eth Converged Network Adapter X540 - T2</i>	X540T2	914248	G45789-001	G45789-002	G45270-002	G45270-003

## PCN Revision History:

Date of Revision:	Revision Number:	Reason:
February 1, 2013	00	Originally Published PCN