



# Product Change Notification

## 109390 - 01

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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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# Product Change Notification

<b>Change Notification #:</b>	<b>109390 - 01</b>
<b>Change Title:</b>	<b>Intel 10/100 PCI Fast Ethernet Components; 82550EY/GA/PM (Gamla, Moab), 82551ER/IT/QM (Lavon), 82559 (82599 D/N), 82562EM/EP/ET/EZ (Kinnereth) and 82562G/GT/GX/GZ/V (Ekron)</b>  <b>PCN 109390-01</b>  <b>Product Discontinuance</b>  <b>End of Life</b>  <b>Reason for Revision: PCN 109390-00 is being revised to remind customers to place their last time orders by August 1st, 2010.</b>
<b>Date of Publication:</b>	<b>May 24, 2010</b>

## Key Characteristics of the Change:

Product Discontinuance

## Forecasted Key Milestones:

<b>Last Product Discontinuance Order Date:</b>	Aug 01, 2010
<b>Last Product Discontinuance Shipment Date:</b>	Dec 30, 2011**
<b>Orders are Non-Cancelable and Non-Returnable After:</b>	Dec 31, 2010
<b>Technical Support Service Ends:</b>	Aug 01, 2010

## Description of Change to the Customer:

**Reason for Revision: PCN 109390-00 is being revised to remind customers to place their Last Time Orders by August 1st, 2010.**

The Intel 10/100 PCI Fast Ethernet Components; 82550EY/GA/PM (Gamla, Moab), 82551ER/IT/QM (Lavon), 82559 (82559 D/N), 82562EM/EP/ET/EZ (Kinnereth) 82562G/GT/GX/GZ/V (Ekron) will End of Life.

Intel will be discontinuing the production of its legacy Fast Ethernet 10/100 PCI host-interface Silicon Components. This End of Life (EOL) plan is a LAN Access Division (LAD) business decision influenced by declining demand for all parts manufactured on an old process technology (P854) and the potential of increasing costs. This EOL decision is unrelated to the announced consolidation of Intel's manufacturing operations in recent months.

## Customer Impact of Change and Recommended Action:

### Key Milestone Dates/Customer Instructions:

- **Last Order Date (LOD) is August 1st, 2010** giving customers 12 months to place last time orders. Please determine your remaining demand for the affected products and place your order(s) with Intel or your authorized Intel distributor by Aug 1st, 2010 (LOD).
- **Customers can change their orders (volumes, delivery schedule, etc) up until the LOD of August 1, 2010.** Customer deliveries can be delayed and/or staggered until the Last Ship Date of December 30, 2011 when the Intel shipments of these components will terminate.
- **Supply will not be guaranteed for any orders received after the LOD.** However, Intel will attempt to provide supply for un-forecasted or late orders, but any supply of components for late orders will be provided on a first-come-first-served basis if parts are available. Also, Intel will not guarantee current prices to any customers for orders placed after the Last Order Date and prices are likely to increase on all late orders.
- **Last Ship Date\*\* (LSD) is December 30th, 2011** giving customers 18 months for last time shipments. If you require supply beyond 2011, you should carefully forecast all platform end-of-life demand requirements and order enough components to sustain your platform needs. You can arrange your orders with delivery dates as late as the end of December, 2011.

**\*\*Please Note: Ekron 82562V** is included in the End of Life plan, but deliveries can be extended until March 31st, 2013 for orders placed by Aug 1, 2010 (LOD). Therefore, this extension applies to ship dates only, it is not an extension for order date. This extension provides 7-year manufacturing availability for this part which launched Q1'06. Intel's general embedded commitment is to offer components for 7 years after launch. All orders for 82562V must be received before Aug 1, 2010. Supply might be made available for late orders, but on first-come-first-served basis as parts are available. Current prices will not be guaranteed for any late 82562V orders.

- **Non-Cancelable, Non-Returnable (NCNR) terms apply to all shipments after December 31st, 2010.** Orders placed within the one-year Last Order Date window of Aug 1, 2009 to Aug 1, 2010 with delivery date(s) requested after December 31, 2010, are Non-Cancelable, Non-Returnable (NCNR). Customers can change or modify their orders up until the LOD of Aug 1, 2010 and have until the end of 2010 to cancel orders.
- **Technical Support Service Ends August 1st, 2010.** No new features, no new OS Support, no new Silicon support, no bug fixes.
- **Intel will not guarantee current prices** to any customers for orders placed after the Aug 1, 2010 Last Order Date.

### Replacement Product Information:

- **Please contact your Intel local field sales representative or your distributor to discuss product migration alternatives.** LAD does offer a single-port pin-compatible GbE PCI host interface component

(82541ER) as well as single-port non-pin-compatible PCI-Express host interface components (82574L, 82574IT, 82583V) for 10/100 PCI design migrations. **However, the PCI-based GbE 82541ER is not drop-in compatible to existing layout design because additional traces are required to support the migration to GbE from 10/100. For PCIe components, additional traces are also required to support to the difference between the PCI and PCIe host interface buses. In most cases a redesign of the board containing the legacy 10/100 component will be necessary to utilize the 10/100/1000 82541ER or any of the GbE PCIe components.** There are no EoL plans in place for the 82541ER lead-free component. The part is currently expected to ship until 2013.

**Forecasting/Min Order Quantity Instructions:**

- **Intel may change the required Minimum Order Quantity (MOQ), Order Increment Requirement or quantity of shipments** to weekly or monthly buckets to streamline warehouse operations during the End of Life (EOL) period. Intel reserves the right to limit quantity (even if forecasted or purchased on a PO) if unforeseen material, manufacturing, yield or other supply issues constrain supply at any time thru the EOL period.
- Although Intel has planned to cover all demand placed through Purchase orders until the Last Order Date, component stock may be limited at times and deliveries delayed.

**Aged stock acceptance:**

- **10/100 Component Shelf Life Policy.** Customers who currently have supply of these End of Life products existing in their inventory may want to review Intel's PCN notice 109014-00 which was published on April 17th, 2009. This PCN notice announces; All Intel® Components, PCN 109014-00, Label, Intel Shelf Life Extension, Moisture Label in Compliance with JEDEC JEP113 "Symbol and Labels for Moisture-Sensitive Devices". Intel's PCN notices can be found here, <http://intel.pcnalert.com/Login.aspx?redirect=%2fdirhome.aspx>

**Aged Stock acceptance overview:**

- Intel guarantees at least 6 months of shelf life at customer site.
- Intel conforms to JEDEC standard JEP113 for shelf life of moisture sensitive devices.
- After 30 months from Seal Date Code all product must be re-baked and re-sealed to guarantee quality. Customers refresh components following JEDEC Std-033 "Handling, Packing, Shipping and Use of Moisture/Reflow Sensitive Surface Mount Devices", while maintaining compliancy to JEDEC Std-020 "Joint IPC/JEDEC Standard For Moisture/Reflow Sensitivity Classification for nonhermetic solid state surface-mount devices".
- 60 months is maximum shelf life from original Seal Date Code.
- No product will ship after 54 months of shelf life based on original Seal Date Code.



## 10/100 Ethernet Components Life-Span December '11 EoL Timeline

LAD P854 Component Availability Timeline									
Q2 1998	Q4 1999	Q2 2000	Q1 2002	Q2 2002	Q3 2004	Q4 2004	Q1 2006	LTO Q2 2010	LTS Q4 2011
82559 (82559)	13 Years of Mfg Availability								
	82559ER (82559)	12 Years of Mfg Availability							
		82562ET 82562EP (Kinnereth)	11 Years of Mfg Availability						
			82551QM 82551ER (Lavon)	9 Years of Mfg Availability					
				82562EZ (Kinnereth)	9 Years of Mfg Availability				
					82562GZ 82562GT (Ekron)	7 Years of Mfg Availability			
						82551IT (Lavon-IT)	7 Years of Mfg Availability		
Quarter / Year									
Product Code									
Codename									



### Products Affected / Intel Ordering Codes:

Product Name	Product Code	S-Spec	MM#
Gamla	GD82550EY	S L4MJ	830751
Gamla	GD82550EY		830752
Moab	GD82550GY		833857
Moab	GD82550GY	S L4Y5	833858
Moab	GD82550PM	S L4Y7	834051
Moab	GD82550PM	S NA	834052
Lavon	GD82551ER	S L66X	844686
Lavon	GD82551ER		844687
Lavon	GD82551IT	S L77C	855622
Lavon	LU82551ER		860613
Lavon	LU82551ER	S L7G4	860614
82559	GD82559	S L3HD	822772
82559	GD82559C		824178
82559	GD82559ER		824184
82559	GD82559ER	S L3DG	825111
82559	GD82559C	S L3DF	825112
82559	GD82559	S L3Q3	825117
82559	GD82559ER	S L3RB	825605
82559	GD82559ER	S L3TU	826238
Kinnereth	DA82562ET		829706
Kinnereth	DA82562EM		829707
Kinnereth	DA82562ET	S L4KM	830642
Kinnereth	DA82562EM	S L4KN	830645
Lavon	GD82551QM		844662

Lavon	GD82551QM	S L66W	844663
Lavon	GD82551IT	S L77D	855623
Kinnereth	LU82562EZ		860581
Kinnereth	LU82562EZ	S L7G2	860582
Lavon	LU82551IT		860607
Lavon	LU82551QM	S L7G5	860610
Lavon	LU82551QM		860611
Lavon	LU82551IT	S L7G3	860615
Ekron	LU82562GZ	S L7QQ	862928
Ekron	LU82562GZ	S NA	862934
Kinnereth	PC82562EP		862943
Kinnereth	PC82562EP	S L7QW	863061
Ekron	EP82562GT	S NA	863269
Ekron	EP82562GT	S L7RL	863271
Kinnereth	EP82562ET	S N/A	863275
Kinnereth	EP82562ET	S L7RM	863276
Ekron	EP82562G		868030
Ekron	EP82562G	S L899	868036
Ekron	LU82562GX		869134
Ekron	LU82562GX	S L8B9	869135
**Ekron	**PC82562V	S L8ZU	877090
**Ekron	**PC82562V	S N/A	877092

### Reference Documents / Attachments:

Document:

Location #:

### PCN Revision History:

Date of Revision:	Revision Number:	Reason:
July 24, 2009	00	Originally Published PCN
May 24, 2010	01	PCN 109390-00 is being revised to remind customers to place their last time orders by August 1st, 2010.