



Product Change Notification

109359 – 00

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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.

Americas Contact: asmo.pcn@intel.com

Asia Pacific Contact: apacgccb@intel.com

Europe Email: eccb@intel.com

Japan Email: jccb.ijkk@intel.com

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Product Change Notification

Change Notification #: 109359 - 00

Change Title: Boxed Intel® Core™ 2 Quad Processor Q8300, Intel® Pentium® Processors E5300 and E5400, and Intel® Core™ 2 Duo Processors E7400 and E7500, PCN 109359-00, Product Design, Adding Intel® Virtualization Technology

Date of Publication: July 02, 2009

Key Characteristics of the Change:

Product Design

Forecasted Key Milestones:

Date Customer Must be Ready to Receive Post-Conversion Material:	August 03, 2009
Date of First Availability of Post-Conversion Material:	August 03, 2009

The date of "First Availability of Post-Conversion Material" is the projected date that a customer may expect to receive the Post-Conversion Materials. This date is determined by the projected depletion of inventory at the time of the PCN publication. The depletion of inventory may be impacted by fluctuating supply and demand, therefore, although customers should be prepared to receive the Post-Converted Materials on this date, Intel will continue to ship and customers may continue to receive the pre-converted materials until the inventory has been depleted.

Description of Change to the Customer:

Intel is initiating a conversion on the R stepping of Boxed Intel® Core™ 2 Quad Processor Q8300, Intel® Pentium® Processors E5300 and E5400, and Intel® Core™ 2 Duo Processors E7400 and E7500 to add Intel® Virtualization Technology (Intel® VT). The processors above will undergo the following changes:

- o Addition of Intel® Virtualization Technology (Intel® VT).
- o New S-spec and MM numbers for the converting products

Customer Impact of Change and Recommended Action:

Intel anticipates no change to customer platforms designed to Intel guidelines. These processors may require a BIOS change to enable Intel® Virtualization Technology (Intel® VT). Customers should be ready to receive a combination of both R-0 stepping material and "R-0 stepping with VT" material by the "Date Customer Must be Ready to Receive Post-Conversion Material" above. For customers implementing their own BIOS, it is necessary to incorporate the latest Microcode Update (MCU) to support the R-0 stepping with Intel® Virtualization Technology (Intel® VT). Please contact your local Intel representative for further technical questions.

Products Affected / Intel Ordering Codes:

Boxed Intel® Core™ 2 Quad Processor Q8300

Processor #	GHz	Pre Conversion				Post Conversion			
		Product Code	S-Spec	MM#	Stepping	Product Code	S-Spec	MM#	Stepping
Q8300	2.50 GHz	BX80580Q8300	SLB5W	900465	R	BX80580Q8300	SLGUR	903883	R
Q8300	2.50 GHz	BXC80580Q8300	SLB5W	900464	R	BXC80580Q8300	SLGUR	903880	R

Boxed Intel® Pentium® Processors E5300 and E5400

Processor #	GHz	Pre Conversion				Post Conversion			
		Product Code	S-Spec	MM#	Stepping	Product Code	S-Spec	MM#	Stepping
E5300	2.60 GHz	BX80571E5300	SLB9U	900503	R	BX80571E5300	SLGTL	903982	R
E5300	2.60 GHz	BXC80571E5300	SLB9U	900513	R	BXC80571E5300	SLGTL	903985	R
E5400	2.70 GHz	BX80571E5400	SLB9V	901650	R	BX80571E5400	SLGTK	903981	R
E5400	2.70 GHz	BXC80571E5400	SLB9V	901651	R	BXC80571E5400	SLGTK	903986	R

Boxed Intel® Core™ 2 Duo processors E7400 and E7500

Processor #	GHz	Pre Conversion				Post Conversion			
		Product Code	S-Spec	MM#	Stepping	Product Code	S-Spec	MM#	Stepping
E7400	2.80 GHz	BX80571E7400	SLB9Y	900516	R	BX80571E7400	SLGW3	903983	R
E7400	2.80 GHz	BXC80571E7400	SLB9Y	900633	R	BXC80571E7400	SLGW3	903988	R
E7500	2.93 GHz	BX80571E7500	SLB9Z	901480	R	BX80571E7500	SLGTE	903984	R
E7500	2.93 GHz	BXC80571E7500	SLB9Z	901481	R	BXC80571E7500	SLGTE	903989	R

Reference Documents / Attachments:

Document:

Location #:

PCN Revision History:

Date of Revision:

Revision Number:

Reason:

July 02, 2009

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Originally Published PCN