



# Product Change Notification

## 106178 - 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.

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# Product Change Notification

**Change Notification #:** 106178 - 00  
**Change Title:** Intel NetStructure® PBX-IP Media Gateway  
PIMG80LGNDNIV4, PIMG80DNIV4,  
PIMG80MTLDNIV4, PIMG80LSV4,  
PIMG80RLMDNIV4, PCN 106178-00,  
Product Design, Firmware updated to version  
5.0 to add additional features  
**Date of Publication:** April 15, 2006

## Key Characteristics of the Change:

Product Design

## Forecasted Key Milestones:

<b>Date Customer Must be Ready to Receive Post-Conversion Material:</b>	Apr 24, 2006
<b>Date of First Availability of Post-Conversion Material:</b>	Apr 24, 2006

*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 has updated the PBX-IP Media Gateway (PIMG) firmware to version 5.0. This firmware version includes the following new features and functionality:

- 1) Improved VoIP capabilities
  - a) SIP stack updated to support RFC 3261
  - b) IP Load Balancing
    - Ability to specify multiple Media Server endpoints
    - Inbound (TDM-to-IP) calls will round robin between active Media Servers
  - c) IP Fault Tolerance
    - Automatically route calls away from unresponsive Media Servers
    - Supports call setup and out of session Media Server failures
    - Together with IP Load Balancing, improves system performance and limits RNA calls
- 2) Improved Diagnostics and Utilities
  - a) PBX Self Test Utility
    - Web based utility that validates the PBX-to-PIMG connectivity and configuration.

- b) Learn Tones
  - Web based utility that tunes the PIMG tone tables to the PBX it is connected to (similar to PBXpert).
- c) TDM and IP Tracing
  - Web based utility that stores raw TDM, and/or IP activity, and/or Debug Trace in on-board PIMG memory.
- 3) Role up of all PIMG V4 Service Updates including
  - a) Service Update 6
    - Added support for a “PBXpert type” tool
    - Added support for the ROLM 9751 and ROLM 8000 switches
    - Added support for the NEC 2400 IPX PBX
  - b) Service Update 5
    - Added support for the Nortel Succession PBX
    - Added support for the 7434ND station set on the Avaya Definity PBX
  - c) Service Update 4
    - Added support for telephony port capabilities, such as the ability to process calls, mwis, etc. Added ability to disable/enable specified telephony ports
    - Added support for Type I CPID (DTMF and FSK)
    - Added support for DiffServ QoS protocol
    - Added support for relaying circuit call party information updates to IP while a call is in-progress.

Customers should note that the Gateway Call Routing scheme has been updated. Specifically Point-To-Point and Pooled modes were eliminated leaving the Server Mode as the Call Routing scheme.

### **Customer Impact of Change and Recommended Action:**

The PBX-IP Media Gateway (PIMG) products listed in the table below delivered after April 24<sup>th</sup> will be built with firmware version 5.0.

This new firmware has been beta tested for both functionality and backward compatibility to ensure that it does not have any negative implications to our customer. When the post change product becomes available Customers should perform validation tests on the new firmware.

Customers choosing not to upgrade can download the previous version of firmware from:

<http://resource.intel.com/telecom/support/pimg/downloads/index.htm>.

Firmware version 5.0 will also be available at this site on or about April 28, 2006.

#### Support of firmware version 4.0:

Firmware version 4.0 will be fully supported until July 15, 2006. The support team maintains testing platforms using only the latest software updates. Attempts to reproduce reported system release problems will be performed using the latest software updates. If the problem cannot be reproduced when the latest software update is used, the customer will be asked to upgrade to the primary update. Fixes for defects will be provided on the latest software updates. If an upgrade is not possible during the Firmware 4.0 support period, continued investigation may require re-configuration of lab machines and thus

will take longer. The more expedient path to a fix will always be to move to the primary update.

Contact your sales representative for additional information and/or any issues you may have with this firmware update.

### **Products Affected / Intel Ordering Codes:**

#### **System Products Table**

<b>Affected Product Code</b>	<b>Affected MM#</b>	<b>Affected TA#</b>
PIMG80LGNDNIV4	855357	99-1781-001
PIMG80DNIV4	855358	99-1880-001
PIMG80MTLDNIV4	855360	99-5990-101
PIMG80LSV4	855354	99-8008-101
PIMG80RLMDNIV4	874520	D26375-001

### **Reference Documents / Attachments:**

**Document:**

**Location #:**

Firmware

<http://resource.intel.com/telecom/support/pimg/downloads/index.htm>

### **PCN Revision History:**

**Date of Revision:**

**Revision Number:**

**Reason:**

April 15, 2006

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Originally Published PCN