



Intel[®] True Scale Fabric Pass-thru I/O Module 12005

Release Notes

June, 2013



INFORMATION IN THIS DOCUMENT IS PROVIDED IN CONNECTION WITH INTEL PRODUCTS. NO LICENSE, EXPRESS OR IMPLIED, BY ESTOPPEL OR OTHERWISE, TO ANY INTELLECTUAL PROPERTY RIGHTS IS GRANTED BY THIS DOCUMENT. EXCEPT AS PROVIDED IN INTEL'S TERMS AND CONDITIONS OF SALE FOR SUCH PRODUCTS, INTEL ASSUMES NO LIABILITY WHATSOEVER AND INTEL DISCLAIMS ANY EXPRESS OR IMPLIED WARRANTY, RELATING TO SALE AND/OR USE OF INTEL PRODUCTS INCLUDING LIABILITY OR WARRANTIES RELATING TO FITNESS FOR A PARTICULAR PURPOSE, MERCHANTABILITY, OR INFRINGEMENT OF ANY PATENT, COPYRIGHT OR OTHER INTELLECTUAL PROPERTY RIGHT.

A "Mission Critical Application" is any application in which failure of the Intel Product could result, directly or indirectly, in personal injury or death. SHOULD YOU PURCHASE OR USE INTEL'S PRODUCTS FOR ANY SUCH MISSION CRITICAL APPLICATION, YOU SHALL INDEMNIFY AND HOLD INTEL AND ITS SUBSIDIARIES, SUBCONTRACTORS AND AFFILIATES, AND THE DIRECTORS, OFFICERS, AND EMPLOYEES OF EACH, HARMLESS AGAINST ALL CLAIMS COSTS, DAMAGES, AND EXPENSES AND REASONABLE ATTORNEYS' FEES ARISING OUT OF, DIRECTLY OR INDIRECTLY, ANY CLAIM OF PRODUCT LIABILITY, PERSONAL INJURY, OR DEATH ARISING IN ANY WAY OUT OF SUCH MISSION CRITICAL APPLICATION, WHETHER OR NOT INTEL OR ITS SUBCONTRACTOR WAS NEGLIGENT IN THE DESIGN, MANUFACTURE, OR WARNING OF THE INTEL PRODUCT OR ANY OF ITS PARTS.

Intel may make changes to specifications and product descriptions at any time, without notice. Designers must not rely on the absence or characteristics of any features or instructions marked "reserved" or "undefined". Intel reserves these for future definition and shall have no responsibility whatsoever for conflicts or incompatibilities arising from future changes to them. The information here is subject to change without notice. Do not finalize a design with this information.

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.

Contact your local Intel sales office or your distributor to obtain the latest specifications and before placing your product order.

Copies of documents which have an order number and are referenced in this document, or other Intel literature, may be obtained by calling 1-800-548-4725, or go to: <http://www.intel.com/design/literature.htm>

Intel and the Intel logo are trademarks of Intel Corporation in the U.S. and/or other countries.

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

Copyright © 2013, Intel Corporation. All rights reserved.

Contents

1.0 Overview of the Release	3
1.1 Introduction.....	3
1.2 Audience	3
1.3 If You Need Help	3
1.4 New Features and Enhancements.....	3
1.5 Installation Requirements	3
1.6 Changes to Hardware Support	3
1.7 Changes to Industry Standards Compliance.....	3
1.8 Miscellaneous	3
2.0 Bug Fixes	4
2.1 Known Issues	4
Tables	
1 Resolved Issues	4
2 Open Issues	4





1.0 Overview of the Release

1.1 Introduction

These Release Notes provide a brief overview of the changes introduced into the Intel® True Scale Fabric Pass-thru I/O Module 12005 for this release. References to more detailed information are provided where necessary. The information contained in this document is intended for supplemental use only; it should be used in conjunction with the documentation provided for each component.

These Release Notes list the new features, system issues closed since the previous release, as well as any known issues.

1.2 Audience

The information provided in this document is intended for installers, software support engineers, hardware engineers, and service personnel.

1.3 If You Need Help

If you need assistance while working with the True Scale Fabric Pass-thru I/O Module 12005, contact your Intel® approved reseller or Intel® True Scale Technical Support:

- By E-mail:
ibsupport@intel.com
- On the Support tab at web site:
<http://www.intel.com/infiniband>

For OEM-specific server platforms supported by this release, contact your OEM.

1.4 New Features and Enhancements

The following new features and enhancements have been made between Release 1.7 and Release 1.8:

- Improved signal integrity for the 1.1 and 1.0 backplanes of an M1000e chassis.

1.5 Installation Requirements

There are no special or release-specific installation requirements.

1.6 Changes to Hardware Support

There are no release-specific changes to the hardware supported.

1.7 Changes to Industry Standards Compliance

There are no changes to the industry standards for this release.

1.8 Miscellaneous

Following are instructions for updating the module firmware:



1. Download the hex file from the Intel Download Center to a desired location on your PC.
 - a. Go to the Intel web site www.intel.com/infiniband.
 - b. Select **Downloads**.
 - c. Select **Intel® Download Center**.
 - d. In the **Search downloads** text box enter *True Scale Fabric Pass-thru I/O Module 12005*, and press Enter.
 - e. Select the required firmware *.zip file.
 - f. Read then click the 'I accept the terms in the license agreement' radio button.
 - g. Click **Save** in the File Download dialog box.
 - h. Select the location to save the file on your PC and click **Save**.
2. Open the zip file and extract the files to the location to be saved.
3. Edit the Tera Term script file (example: D000174-000-B 12005_PT-16_insystem_update.ttl) and change the line that calls out `fn="c:\PassThrough.hex"` to point to the hex file you saved on your PC.
4. Log into the Chassis Management Controller (CMC) using Tera Term.
5. Type `connect switch-zz` Where `zz` is the fabric (for example, B1,B2,C1 or C2).
6. At the prompt, start the Tera Term script by choosing `Control | Macro`.The script scrolls a large amount of hex data, and could take up to 10 minutes to complete. Do not close the Tera Term window during this time.
7. Upon completion, the script will automatically reboot the module.

Note: Firmware updates must be completed separately for each module.

Note: Some older versions of Tera Term do not support this script. Tera Term 4.62 or newer is recommended.

2.0 Bug Fixes

Table 1 lists the fixes that have been made to the True Scale Fabric Pass-thru I/O Module 12005:

Table 1. Resolved Issues

Release	Product	Description
1.8	12005	Prevents symbol errors from occurring on the server side of backplane links
1.7	12005	Can now ping IPoIB after the pass-through module is removed, then reinserted.

2.1 Known Issues

None.