

Intel[®] Omni-Path Fabric Externally-Managed Switches

Release Notes for 10.1

May 2016



You may not use or facilitate the use of this document in connection with any infringement or other legal analysis concerning Intel products described herein. You agree to grant Intel a non-exclusive, royalty-free license to any patent claim thereafter drafted which includes subject matter disclosed herein.

No license (express or implied, by estoppel or otherwise) to any intellectual property rights is granted by this document.

All information provided here is subject to change without notice. Contact your Intel representative to obtain the latest Intel product specifications and roadmaps.

The products described 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.

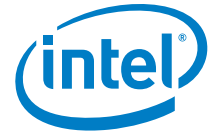
Copies of documents which have an order number and are referenced in this document, or other Intel literature, may be obtained by calling 1-800-548-4725, or by visiting: <http://www.intel.com/design/literature.htm>

Intel technologies' features and benefits depend on system configuration and may require enabled hardware, software or service activation. Learn more at <http://www.intel.com/> or from the OEM or retailer.

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 © 2015-2016, Intel Corporation. All rights reserved.



Contents

1.0 Overview of the Release	1
1.1 Introduction.....	1
1.2 Audience	1
1.3 If You Need Help	1
1.4 Supported in this Release	1
1.5 Product Constraints	1
1.6 Installation Requirements.....	1
1.6.1 Changes to Firmware Components	2
1.7 Miscellaneous.....	2
1.8 Documentation.....	2
2.0 System Issues	4
2.1 Resolved Issues	4
2.2 Open Issues	4

Tables

1-1 Related Documentation for this Release	2
2-1 Resolved Issues.....	4
2-2 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® Omni-Path Fabric Externally-Managed Switches. 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 Intel® Omni-Path Fabric Externally-Managed Switches, contact your Intel representative.

1.4 Supported in this Release

The following items are supported for this release:

- Externally-managed 24-port Intel® Omni-Path Edge Switch 100
- Externally-managed 48-port Intel® Omni-Path Edge Switch 100

1.5 Product Constraints

- None

1.6 Installation Requirements

- The Intel® Omni-Path Fabric Suite FastFabric toolset needs to be installed to manage the externally-managed edge switch.



1.6.1 Changes to Firmware Components

The following firmware is supported in this release:

- Externally-managed edge:
Intel_PRREdge_V1_firmware.10.1.0.0.133.emfw

1.7 Miscellaneous

- Additional internal tracing has been added to the firmware to improve link error-related diagnostic capabilities.

1.8 Documentation

Table 1-1 lists the end-user documentation for the current release.

Documents are available at the following URLs:

- Intel® Omni-Path Switches Installation, User, and Reference Guides
<http://www.intel.com/SUPPORT/NETWORK/OMNI-SWTCH100/SB/CS-035856.HTM>
- Intel® Omni-Path Host Fabric Interface Installation, User, and Reference Guides (includes software documents)
<http://www.intel.com/support/network/omni-adptr/sb/CS-035857.htm>
- Drivers and Software (including Release Notes)
<https://downloadcenter.intel.com/>

Documentation for Intel Partners is available at the vendor's web site.

Table 1-1. Related Documentation for this Release (Sheet 1 of 2)

Document Title
Hardware Documents
<i>Intel® Omni-Path Fabric Switches Hardware Installation Guide</i>
<i>Intel® Omni-Path Fabric Switches GUI User Guide</i>
<i>Intel® Omni-Path Fabric Switches Command Line Interface Reference Guide</i>
<i>Intel® Omni-Path Edge Switch Platform Configuration Reference Guide</i>
<i>Intel® Omni-Path Fabric Managed Switches Release Notes</i>
<i>Intel® Omni-Path Fabric Externally-Managed Switches Release Notes</i>
<i>Intel® Omni-Path Host Fabric Interface Installation Guide</i>
Fabric Software Documents
<i>Intel® Omni-Path Fabric Software Installation Guide</i>
<i>Intel® Omni-Path Fabric Suite Fabric Manager User Guide</i>
<i>Intel® Omni-Path Fabric Suite FastFabric User Guide</i>
<i>Intel® Omni-Path Fabric Host Software User Guide</i>
<i>Intel® Omni-Path Fabric Suite Fabric Manager GUI Online Help</i>
<i>Intel® Omni-Path Fabric Suite Fabric Manager GUI User Guide</i>
<i>Intel® Omni-Path Fabric Suite FastFabric Command Line Interface Reference Guide</i>
<i>Intel® Performance Scaled Messaging 2 (PSM2) Programmer's Guide</i>
<i>Intel® Omni-Path Fabric Performance Tuning User Guide</i>



Table 1-1. Related Documentation for this Release (Sheet 2 of 2)

Document Title
<i>Intel® Omni-Path Host Fabric Interface Platform Configuration Reference Guide</i>
<i>Intel® Omni-Path Fabric Software Release Notes</i>
<i>Intel® Omni-Path Fabric Manager GUI Release Notes</i>
<i>Intel® Omni-Path Storage Router Design Guide</i>
<i>Building Lustre* Servers with Intel® Omni-Path Architecture Application Note</i>



2.0 System Issues

This section lists the resolved and known issues for the Intel® Omni-Path Fabric Externally-Managed Switches.

2.1 Resolved Issues

Table 2-1 lists the resolved issues for this release.

Table 2-1. Resolved Issues

ID	Description	Resolved in Release
133550	Multiple inter-switch links (ISL) from a single edge switch go down simultaneously.	10.1

2.2 Open Issues

Table 2-2 lists the known open issues for this release by component, including the description and workaround.

Table 2-2. Open Issues

ID/Status	Product/Component	Description	Workaround
134000	Switch Software	When AOCs are connected to externally-managed switches, links may come up at widths less than 4x.	Use the CLI command opaswitchadmin configure and set the LinkWidth.Enabled to 4x only.

§ §