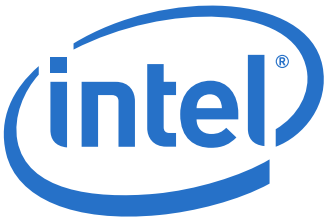

True Scale Fabric Switches 12200 Series

Release Notes

July 2014

Order Number: H53560001US

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1.0 Overview of the Release

1.1 Introduction

These Release Notes provide a brief overview of the changes introduced into the externally-managed True Scale Fabric Switch 12200. 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 Switch 12200, 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/truescale

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 releases 7.2.1.1.16 and 7.3.0.0.15:

- None

1.5 Installation Requirements

This release has no special or release-specific installation requirements.

1.5.1 Changes to Hardware Support

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

1.5.2 Changes to Firmware Components

The True Scale Fabric Switch 12200 externally-managed firmware (EMFW) (`Intel_12000_V1_firmware.7.3.0.0.15.emfw`) is updated to v7.3.0.0.15.

For upgrade instructions using the FastFabric TUI, refer to the *Intel® True Scale Fabric Suite FastFabric User Guide.*

For upgrade instructions using the `iba_manage_switch` command, refer to the *Intel® OFED+ Host Software User Guide.*

Note: The `Intel_12000_V1_firmware.7.3.0.0.15.emfw` firmware file should not be used on 12000-series internally-managed switches.

1.5.3 Changes to Industry Standards Compliance

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

1.6 Miscellaneous

- Before upgrading the 12200 externally-managed switch to 7.3.0.0.15, make certain that either the Intel® True Scale Fabric Suite Software (IFS) v6.0.2.0.28 (or greater), or Intel® OFED+ Host Software Release 7.0.1 or greater is installed on your host.
  - For upgrade instructions using the FastFabric TUI, refer to the *Intel® True Scale Fabric Suite FastFabric User Guide.*
  - For upgrade instructions using the `iba_manage_switch` command, *refer to* the *Intel® OFED+ Host Software User Guide.*
- Intel products will auto-negotiate with devices that utilize IBTA-compliant auto-negotiation.
- When attaching Intel products to a third-party device, the bit error rate is optimized if the third-party device utilizes attenuation-based tuning.
- The maximum time that a 12200 switch will take to reboot is 120 seconds. Reboot times in your environment may be much less.
- For switches shipped with firmware version 6.1.0.0.72 (or earlier), when connecting two 12200 externally-managed switches together, please see the "Creating an 8x Port: Externally-managed 12200" section of the *Intel® True Scale 12000 Hardware Installation Guide* for cabling recommendations.

Note: For 12200 switches shipping with firmware version 6.1.0.2.1 (or newer), the default configuration (1x/4x) is recommended unless there is a specific need to use 8x links.

1.7 Documentation

Table 1 lists the Release 7.3 related documentation. All related documentation is available on the Intel download site.

Documentation for Intel Partners is available at the vendors web site.

Table 1. Related Documentation for this Release

Document Title
Intel® Hardware Documents
Intel® True Scale 12000 Hardware Installation Guide
Intel® True Scale 12000 Users Guide
Intel® True Scale 12000 CLI Reference Guide
Intel® Adapter Hardware Installation Guide
Intel® OFED+ Documents
Intel® True Scale Fabric Software Installation Guide
Intel® OFED+ Host Software User Guide
Intel® OFED+ Host Software Release Notes
Intel® IFS Documents

Table 1. Related Documentation for this Release (Continued)

Document Title
Intel® True Scale Fabric Suite FastFabric User Guide
Intel® True Scale Fabric Suite Fabric Manager User Guide
Intel® True Scale Fabric Suite FastFabric Command Line Interface Reference Guide
Intel® True Scale Fabric Suite Software Release Notes
Intel® Fabric Viewer Documents
Intel® True Scale Fabric Suite Fabric Viewer Online Help
Intel® True Scale Fabric Suite Fabric Viewer Release Notes

2.0 Bug Fixes

Table 2 lists the fixes that have been made to the True Scale Fabric Switch 12200 family of QDR InfiniBand* switches:

Table 2. Resolved Issues

Release	Product	Description
7.3.0.0.15	S20	Transmit discards are no longer observed on inter switch links (ISLs).
7.3.0.0.15	S20	Nodes no longer experience intermittent communication failure within the fabric.
7.2.1.1.16	S20	Corrected error recovery mechanisms.

2.1 Known Issues

None.

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