



Connect. Accelerate. Outperform.™

Dell 10Gb Ethernet Pass Through Release Notes

December 2014

www.mellanox.com

NOTE:

THIS HARDWARE, SOFTWARE OR TEST SUITE PRODUCT (“PRODUCT(S)”) AND ITS RELATED DOCUMENTATION ARE PROVIDED BY MELLANOX TECHNOLOGIES “AS-IS” WITH ALL FAULTS OF ANY KIND AND SOLELY FOR THE PURPOSE OF AIDING THE CUSTOMER IN TESTING APPLICATIONS THAT USE THE PRODUCTS IN DESIGNATED SOLUTIONS. THE CUSTOMER’S MANUFACTURING TEST ENVIRONMENT HAS NOT MET THE STANDARDS SET BY MELLANOX TECHNOLOGIES TO FULLY QUALIFY THE PRODUCT(S) AND/OR THE SYSTEM USING IT. THEREFORE, MELLANOX TECHNOLOGIES CANNOT AND DOES NOT GUARANTEE OR WARRANT THAT THE PRODUCTS WILL OPERATE WITH THE HIGHEST QUALITY. ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT ARE DISCLAIMED. IN NO EVENT SHALL MELLANOX BE LIABLE TO CUSTOMER OR ANY THIRD PARTIES FOR ANY DIRECT, INDIRECT, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES OF ANY KIND (INCLUDING, BUT NOT LIMITED TO, PAYMENT FOR PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY FROM THE USE OF THE PRODUCT(S) AND RELATED DOCUMENTATION EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.



Mellanox Technologies
350 Oakmead Parkway Suite 100
Sunnyvale, CA 94085
U.S.A.
www.mellanox.com
Tel: (408) 970-3400
Fax: (408) 970-3403

Mellanox Technologies, Ltd.
Beit Mellanox
PO Box 586 Yokneam 20692
Israel
www.mellanox.com
Tel: +972 (0)74 723 7200
Fax: +972 (0)4 959 3245

© Copyright 2014. Mellanox Technologies. All Rights Reserved.

Mellanox®, Mellanox logo, BridgeX®, ConnectX®, Connect-IB®, CoolBox®, CORE-Direct®, InfiniBridge®, InfiniHost®, InfiniScale®, MetroX®, MLNX-OS®, TestX®, PhyX®, ScalableHPC®, SwitchX®, UFM®, Virtual Protocol Interconnect® and Voltaire® are registered trademarks of Mellanox Technologies, Ltd.

ExtendX™, FabricI™, HPC-X™, Mellanox Open Ethernet™, Mellanox PeerDirect™, Mellanox Virtual Modular Switch™, MetroDX™, Unbreakable-Link™ are trademarks of Mellanox Technologies, Ltd.

All other trademarks are property of their respective owners.

Contents

1 Overview	5
1.1 Supported Systems	5
1.2 Supported Software and Firmware	5
2 Changes and Major New Features	5
2.1 Changes and Features KR Firmware v8.5.2162 and XAUI Firmware v8.2.966	5
2.2 Changes and Features KR Firmware v8.5.2160 and XAUI Firmware v8.2.966	5
2.3 Features Enabled in Rev 1.0.20	5
3 Fixed Bugs.....	6

List of Tables

Table 1: Fixed Bugs.....	6
--------------------------	---

1 Overview

These are the release notes of the firmware and management software package for Dell KR and XAUI Pass Through Modules.

1.1 Supported Systems

- M1601P 32-port 10GigE Pass Through Module II
- M1601P Ethernet Pass Through Module KR

1.2 Supported Software and Firmware

- KR
 - Software v2.0.172
 - Firmware v8.5.2162
- XAUI
 - Software v1.0.052
 - Firmware v8.2.966

2 Changes and Major New Features

2.1 Changes and Features KR Firmware v8.5.2162 and XAUI Firmware v8.2.966

- Bug fixes (see section [Fixed Bugs](#))

2.2 Changes and Features KR Firmware v8.5.2160 and XAUI Firmware v8.2.966

- KR: Removed the 'set port group' CLI command for changing internal link mode to XAUI

2.3 Features Enabled in Rev 1.0.20

- Fixed a half-link issue: Delay sense-enable by 100ms after close_port
- Disable Transmitter while link-sense is active
- Reset port state-machine if cable module was removed during internal port initialization

3 Fixed Bugs

Table 1: Fixed Bugs

Description	Workaround
CRC errors on Cisco switch RX	Changed the TX configuration according to the cable length
Link flapping issue with Cisco switch	Added the option to ignore false remote faults on XFI link