



Content of Release

Type	File/Subcomponents	File updated in this release
Document	IxxatINpactCardUpdate_Linux_V1_11_653_0	Yes
Setup	Linux 16.04 (AMD64)	

Main Reason for Update

With the new FPGA flash design (1.7.0) a problem with the reset handling of the hardware is solved. In some cases, if the firmware crashed, the hardware was only useable after a manual hardware shutdown and restart.
(BUG #7408)

Update recommendation

	Description
<input type="checkbox"/> Update required for conformance testing	-
<input checked="" type="checkbox"/> Only devices in the field showing problems	
<input type="checkbox"/> All devices in the field	

Affected Hardware

Drivers are hardware-specific parts. The following interfaces are supported by the VCI. Drivers that are affected by the current release are marked.

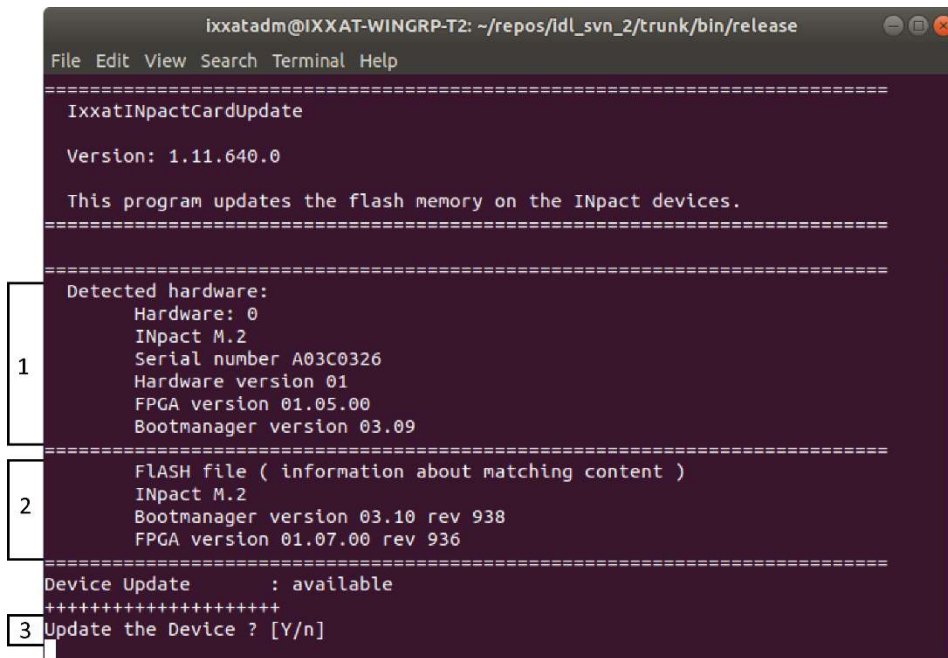
	Hardware	PCB version
<input checked="" type="checkbox"/>	INpact PCIe	V1, V2
<input checked="" type="checkbox"/>	INpact PCIe FOFB	V1, V2
<input checked="" type="checkbox"/>	INpact mPCIe	V1
<input checked="" type="checkbox"/>	INpact mPCIe	V2, V3
<input checked="" type="checkbox"/>	INpact mPCIe FO	V1
<input checked="" type="checkbox"/>	INpact mPCIe FO	V2, V3
<input type="checkbox"/>	INpact M.2	V1
<input checked="" type="checkbox"/>	INpact M.2	V2

How to Update the INpact

! Interface is damaged if the update progress is aborted!
Before updating, close all other applications.
Do not restart or shut down the computer during the update.

! Update can only be executed with IDL Kernel driver version 1.0.644 or newer.
Make sure the correct driver version is installed.

- ▶ Execute the application *IxxatINpactCardUpdate_Linux_V*
 - ➔ All installed INpact devices are checked.
 - ➔ Information about the first detected INpact (1), the flash file (2) and the update (3) is shown.



```

ixxatadm@IXXAT-WINGRP-T2: ~/repos/idl_svn_2/trunk/bin/release
File Edit View Search Terminal Help
=====
IxxatINpactCardUpdate
Version: 1.11.640.0

This program updates the flash memory on the INpact devices.
=====
Detected hardware:
Hardware: 0
INpact M.2
Serial number A03C0326
Hardware version 01
FPGA version 01.05.00
Bootmanager version 03.09
=====
FLASH file ( information about matching content )
INpact M.2
Bootmanager version 03.10 rev 938
FPGA version 01.07.00 rev 936
=====
Device Update      : available
+++++
Update the Device ? [Y/n]
  
```

Possible outputs (3)

Output	Description
No update is necessary!	The INpact is already updated.
Update the device (Yes / No)	Yes: Update is started. No: Do not start the update. Search for the next installed INpact.
Sorry, no hardware found	Check if the IDL Linux Driver is correctly installed.

- ▶ To update the INpact , confirm the output **Update the device** by entering **Y**.
- ▶ Wait until the update is finished.
- ▶ When the update is finished, shut down the computer.
- ▶ Wait a moment and then restart the computer.
 - ➔ INpact is updated.



Release History

Version 1.11.653

Das Update tool enthält die Images für das Version beinhaltet das

Component	Solution	Description	Revision
Application	New functionality	First version	1.11.653
FPGA	Bug fix	PC system reset directly resets complete PCIe card design	1.7.0
FPGA	Improved functionality	Modified internal ram resets according to latest FPGA RN	
FPGA	Bug fix	Disabled internal PCIe Config register burst access - prevent side effects	
FPGA	Bug fix	increased burst performance	
FPGA	Bug fix	increased CPU data handling performance	
FPGA	Bug fix	removed additional bridges as new tool does no longer require this	
FPGA	Bug fix	extendend PCIe Error reporting	
FPGA	Bug fix	added additional information to file names	