



Content of Release

Type	File/Subcomponents	File updated in this release
Document	IxxatINpactCardUpdate_Windows_V4_0_202_0.exe	Yes
Setup	For Windows 10 (32/64) with or without enabled UEFI-BIOS Secure Boot, for Windows 8, 7 (32/64)	

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.

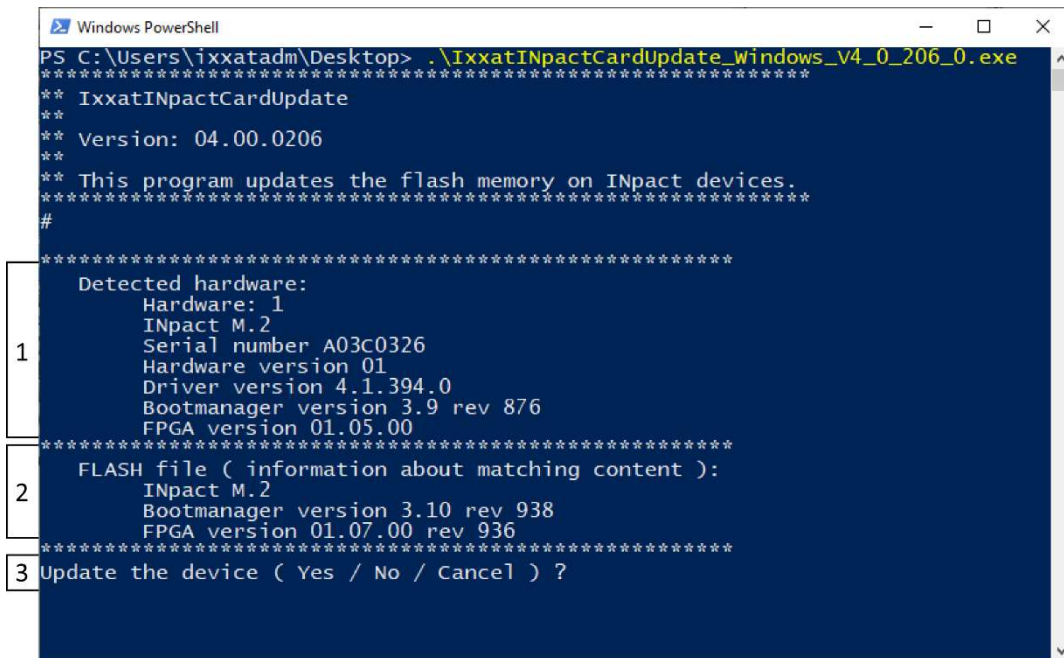
	Hardware	PCB version
<input checked="" type="checkbox"/>	INpact PCIe	V1, V2
<input checked="" type="checkbox"/>	INpact PCIe FOFB	V1, V2
<input checked="" type="checkbox"/>	INpact mPCIe	V1
<input checked="" type="checkbox"/>	INpact mPCIe	V2, V3
<input checked="" type="checkbox"/>	INpact mPCIe FO	V1
<input 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 process 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 VCI driver version 4.0.848 or newer.
Make sure the correct driver version is installed.

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



```

Windows PowerShell
PS C:\Users\ixxatadm\Desktop> .\IxxatINpactCardUpdate_windows_v4_0_206_0.exe
*****
** IxxatINpactCardUpdate
**
** Version: 04.00.0206
**
** This program updates the flash memory on INpact devices.
*****
#
*****
Detected hardware:
Hardware: 1
INpact M.2
Serial number A03C0326
Hardware version 01
Driver version 4.1.394.0
Bootmanager version 3.9 rev 876
FPGA version 01.05.00
*****
FLASH file ( information about matching content ):
INpact M.2
Bootmanager version 3.10 rev 938
FPGA version 01.07.00 rev 936
*****
Update the device ( Yes / No / Cancel ) ?
  
```

Possible outputs (3)

Output	Description
No update is necessary!	The INpact is already updated.
Update the device (Yes / No / Cancel)	Yes: Update is started. No: Do not start the update. Search for the next installed INpact. Cancel: Update is cancelled and application is closed.
Sorry, no hardware found	Check the Windows device manager if the INpact is shown correctly.

- ▶ 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 4.0.206.0

Das Update tool enthält die Images für das Version beinhaltet das

Component	Solution	Description	Revision
Application	New functionality	First version	4.0.206
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	



IxxatINpactCardUpdate

Version 4.0_206
2019/06/06
