Release Note for linux imgctrl Version 3.7.1

Release Date	2018-10-12
Description	This release note applies to version 3.7.1 of the imgctrl package for Napatech SmartNICs.

Release history from version 3.6.1 to 3.7.1

New Features

ID	Related issues	Summary	Implemented in
42306	42192 (FR)	imgctrl support for new NT200A01 FPGA combi image 8006 with 8x10Gbps image, 9522, in bank 0 (primary) and 2x40Gbps image, 9512 in bank 1 (secondary) has been added.	3.7.0
42300	42270 (Support)	New feature, report actual link width per PCIe endpoint	3.7.1

Resolved Issues

ID	Related issues	Summary	Found in version	Resolved in version
39958	39950 (Support)	imgctrl with --group option refuses to upgrade in setups where some of the targeted SmartNICs are loaded with 3GA (92xx) image and others are loaded with 4GA (95xx) image.	3.6.0	3.6.2

Known issues

ID	Related issues	Summary	Found in version
38869		Imgctrl does not limit load of 9519 image on NT80E3 although insufficient MAC adresses are available and driver as a consequence will not start.	3.6.0
25417		No support for FPGA image switch on NT20E2 with AVR-FW v1.0e due to lack of support of the SPI-(v1 0x0085)command FPGA SWITCH NOW, which is needed by imgctrl quick-switch. **Workaround:** If the user detects the somehow not so helpful error message: " SPIv1: Opcode 0085 returned error 80. Is the opcode supported by this AVR version? Error: Failed telling SC to quickswitch FAIL. Switching failed. Use --query to examine adapter " the user may switch the FPGA image via the following sequence: (supported from imgctrl v2.1.0.28142) " 1) . /imgctrl -a0 -s --pcirst 2) reboot 3) ./imgctrl -a0 -s --confirm "	1.7.0

Notes

Operating systems

The Napatech ImgCtrl tool version applies to these operating systems:

- Linux 3.0 -> 3.19 (64-bit)
- Linux 4.0 -> 4.18 (64-bit)

The software has been qualified on: CentOS 6, CentOS 7, Ubuntu 16.04LTS and Fedora 18/23

SmartNIC compatibility

SmartNIC	Version
NT4E	200-9015-42-08, 200-9015-42-14
NT4E-STD	200-9017-42-09, 200-9017-42-10
NT4E2-4-PTP	200-9226-46-12, 200-9226-46-13, 200-9226-48-05, 200-9226-50-03, 200-9226-50-04, 200-9226-51-03, 200-9226-51-04
NT20E2	200-9220-44-10, 200-9220-44-12, 200-9220-45-06, 200-9220-46-09, 200-9220-50-03, 200-9220-50-04, 200-9220-50-05
NT20E2-PTP	200-9227-50-03, 200-9227-51-03, 200-9227-51-04
NT20E3-2-PTP	200-9233-52-13, 200-9233-53-01, 200-9501-02-16, 200-9501-04-04, 200-9501-06-06, 200-9501-08-06, 200-9501-09-08, 200-9501-10-07, 200-9501-15-02
NT40E3-4-PTP	200-9232-50-04, 200-9232-51-04, 200-9232-51-07, 200-9232-52-13, 200-9232-53-01, 200-9502-02-16, 200-9502-04-04, 200-9502-06-06, 200-9502-06-07, 200-9502-08-06, 200-9502-08-07, 200-9502-08-08, 200-9502-09-08, 200-9502-10-07
NT80E3-2-PTP	200-9503-02-16, 200-9503-04-04, 200-9503-06-05, 200-9503-08-06, 200-9503-08-07, 200-9503-08-08, 200-9503-09-08, 200-9503-10-07, 200-9503-10-09, 200-9503-15-02, 200-9503-08-07, 200-9519-10-05, 200-9519-10-07, 200-9519-15-02, 200-8005-15-02
NT200A01-2x100	200-9508-05-08, 200-9508-05-17, 200-9508-06-06, 200-9508-07-06, 200-9508-07-07, 200-9515-09-08, 200-9515-10-07, 200-9515-15-02, 200-9516-09-08, 200-9516-10-07, 200-9516-15-05, 200-8002-09-01, 200-8002-09-02, 200-8002-10-02, 200-8002-15-02
NT40A01-4x1	200-9500-06-06, 200-9500-06-07, 200-9500-08-06, 200-9500-09-08, 200-9500-10-07, 200-9500-15-02
NT100E3-1-PTP	200-9504-01-12, 200-9505-02-16, 200-9505-04-04, 200-9505-06-05, 200-9505-08-06, 200-9505-09-08, 200-9505-10-08, 200-9505-10-09, 200-9505-15-02
NT40E2-1	200-9222-52-05
NT40E2-4	200-9221-44-13, 200-9221-50-04
NT200A01-2x40	200-9512-07-02, 200-9512-08-08, 200-9512-08-09, 200-9512-09-08, 200-9512-10-07, 200-9512-15-02, 200-9522-15-03, 200-8006-15-03
NT200A01-2x100/40	200-8001-08-00, 200-8001-08-01, 200-8003-09-01, 200-8003-10-02, 200-8003-15-02, 200-8004-10-03, 200-8004-15-02
NT40A01-4x10/1-SLB	200-9517-09-08

Test status

Complete test plan

Documentation

See DN-0487 for documentation.

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