



Driver for NPort S9650I Series (Linux 3.x & 4.x) Release Notes

Version: v1.19	Build: Build 17110917
Release Date: Nov 20, 2018	

Applicable Products

N/A

Supported Operating Systems

Linux 3.x, Linux 4.x

New Features

- Supports Raspbian Jessie or later for Raspberry Pi 2/3.
- Add driver background polling feature to eliminate the waiting time when the NPort does not exist in Slackware 14.0

Enhancements

- Real TTY cannot startup TTY ports with domain name mapped after system is rebooted.
- Kernel panic with error message "unable to handle kernel paging request" on specified platforms.
- Driver does not load properly after system is rebooted on Ubuntu 16.04.
- Driver may cause a kernel crash with the error message "soft lockup" displayed when using a specific network interface card.
- The command stty may result in an output error if there is no loopback connector on the NPort when it is in Redundant mode.
- Network reconnection problems when using redundant mode.
- The Real TTY service may not start automatically in Debian 6.0 or later versions.
- There may be communication loss when using IPv6.
- It cannot read data due to abnormal flow control in Linux kernel 3.8 and later.
- When security mode is enabled, the driver may crash if it connects to an NPort that is offline.
- Port mapping is incorrect after rebooting in Kernel 3.2.48.
- When an NPort is offline, the current serial parameters are not saved for reconnection.
- While executing mxsetsec, the driver configurations will be cleared.
- When opening node /dev/ttyr10, port 16 should open, but port 10 opens instead.
- The driver reference count becomes negative after the port fails to open.

Bugs Fixed

- Real TTY can't startup TTY ports with domain name mapped after system is rebooted.
- Kernel panic with error message "unable to handle kernel paging request" on specified platforms.
- Driver isn't loaded properly after system reboot on Ubuntu 16.04.
- Driver may cause a kernel crash with error messages "soft lockup" with specified network interface card.
- The command stty may output error if there is no loopback connector on NPort in Redundant mode.
- Network reconnection problems when using redundant mode.
- The Real TTY service may not be started automatically in Debian 6.0 or later versions.
- There may be communication loss when using IPv6.
- It can't read data due to abnormal flow control in Linux kernel 3.8 and later.
- When security mode is enabled, driver may crash if it connects to offline NPort.
- Port mapping incorrectly after reboot in Kernel 3.2.48.
- When NPort is offline, the current serial parameters are not saved for reconnection.
- While executing mxsetsec, the configuration of driver will be cleared.
- When opening node /dev/ttyr10, the port 16 should be opened, but the port 10 is opened instead.



- The driver reference count becomes negative after port open fail.

Changes

- Does not support kernel 2.x.
- When the Log file increases without restrictions the file system crashes.

Notes

N/A