

Software Name: Driver for NPort S9650I Series (Linux 3.x & 4.x)

Version No.	Build Date No./ Release Date	Supported OS	Apply to Models	New Features/ Enhancements	Bugs Fixed/Changes	Note
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v1.19	Build 17110917	Linux_3.x, Linux_4.x	N/A	<p>New Features:</p> <ol style="list-style-type: none"> 1. Supports Raspbian Jessie or later for Raspberry Pi 2/3. 2. Add driver background polling feature to eliminate the waiting time when the NPort does not exist in Slackware 14.0 <p>Enhancements:</p> <ol style="list-style-type: none"> 1. Real TTY cannot startup TTY ports with domain name mapped after system is rebooted. 2. Kernel panic with error message "unable to handle kernel paging request" on specified platforms. 3. Driver does not load properly after system is rebooted on Ubuntu 16.04. 4. Driver may cause a kernel crash with the error message "soft lockup" displayed when using a specific network interface card. 5. The command stty may result in an output error if there is no loopback connector on the NPort when it is in Redundant mode. 6. Network reconnection problems when using redundant mode. 7. The Real TTY service may not start automatically in Debian 6.0 or later versions. 8. There may be communication loss when using IPv6. 9. It cannot read data due to abnormal flow control in Linux kernel 3.8 and later. 10. When security mode is enabled, the driver may crash if it connects to an NPort that is offline. 11. Port mapping is incorrect after 	<p>Bugs Fixed:</p> <ol style="list-style-type: none"> 1. Real TTY can't startup TTY ports with domain name mapped after system is rebooted. 2. Kernel panic with error message "unable to handle kernel paging request" on specified platforms. 3. Driver isn't loaded properly after system reboot on Ubuntu 16.04. 4. Driver may cause a kernel crash with error messages "soft lockup" with specified network interface card. 5. The command stty may output error if there is no loopback connector on NPort in Redundant mode. 6. Network reconnection problems when using redundant mode. 7. The Real TTY service may not be started automatically in Debian 6.0 or later versions. 8. There may be communication loss when using IPv6. 9. It can't read data due to abnormal flow control in Linux kernel 3.8 and later. 10. When security mode is enabled, driver may crash if it connects to offline NPort. 11. Port mapping incorrectly after reboot in Kernel 3.2.48. 12. When NPort is offline, the current serial parameters are not saved for reconnection. 13. While executing mxsetsec, the configuration of driver will be cleared. 14. When opening node /dev/tty10, the port 16 should be opened, but the port 10 is opened instead. 15. The driver reference count becomes negative after port open fail. <p>Changes:</p> <ol style="list-style-type: none"> 1. Does not support kernel 2.x. 2. When the Log file increases without restrictions the file system crashes. 	N/A

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				rebooting in Kernel 3.2.48. 12. When an NPort is offline, the current serial parameters are not saved for reconnection. 13. While executing mxsetsec, the driver configurations will be cleared. 14. When opening node /dev/ttyr10, port 16 should open, but port 10 opens instead. 15. The driver reference count becomes negative after the port fails to open.		