

2701 XP version 5.4 release notes

Version 4.54

Problem:

Adapter quit functioning during network copies.

Fix:

Change the way the protocol handle packets from NDIS Status Success to Ndis Status Resources.

Version 5.0

Initial release for NDIS version 5.0 specification.

Version 5.1

1. Added hardware diagnostics equivalent to DOS-based utility.
2. Added EEPROM and Flash memory initialization and configuration capability.
3. Optimized Interrupt Service Routine to improve performance.

Version 5.2

1. Corrected slow throughput issue with Fast+ based NICs.
2. Added support for legacy NICs based on AMD Am79C970 chip.
3. Fixed Vlan tagging issue where minimum sized packets were the incorrect length, causing intermittent blue screen.
4. Corrected Vlan tagging issue on receive side where Vlan tag was incorrectly removed from the packet.
5. Corrected call to release/re-acquire the send spinlock after sending queued send packets and indicating send complete to NDIS.
6. Cleaned up code for using the PCNet Pro's MIB to track statistics.
7. Added support to enable the PCI Memory Write Invalidate and Fast Back-to-Back capabilities of the PCNet Pro.
8. Fixed issue of surfacing the results for speed and duplex after auto negotiation on copper.
9. Removed NDIS_MAC_OPTION_COPY_LOOKAHEAD_DATA from the OID_GEN_MAC_OPTIONS to solve issue with receive indications at the protocol level.
10. Enabled use of transmit interrupts to complete send packets.
11. Added check in CheckForHang routine to insure interrupt is re-enabled after returning from ISR deferred procedure call.

Version 5.3

1. Resolved WoL Pattern Matching issue where directed packets would not wake the system.
Patterns handed to the driver at initialization by the TCP/IP protocol driver were not getting set. Ping and functions such as Microsoft's network browsing would not wake sleeping systems.

Version 5.4

1. Updated driver for latest WHQL certification requirements (DTM 1.4) for Wake-On-Lan support for NDIS 5.1 miniport drivers.