

Intel® PRO Network Connections Software Release 5 Gold+CAT Release Features

V8.4C0122, TIC 83899 - Build Date 03/30/04

- The release includes numerous bug fixes as well as the following enhancements:
 - **DCN 01 - WBEM and RISTools are removed from the CD:**
 - As part of the effort to reduce CD content and size, the following Intel Boot Agent components were removed from the CD:
 - WBEM for IBA - It has not been updated for several projects.
 - RISTools – This component is not widely used and is not required for typical users. It will continue to be update and posted on the Web.
 - **DCN 03 - Silicon part numbers removed from PROSet interface:**
 - The C0 release of the 82541 silicon will change the MAC's part number from 82541EI to 82541PI. Because the DeviceID will not change between B1 and C0, PROSet will inaccurately display 82541EI when the MAC may actually be 82541PI. To remove the confusion PROSet has been modified to remove the display of the MAC's part number.
 - **DCN 04 - Add RevID to IDAdapt (Tabor II vs Tabor III differentiation):**
 - Since the IDAdapt tool did not previously display RevID information, the introduction of the Tabor III silicon would make it impossible to differentiate between this revision of silicon and the previous release. Displaying RevID information fixes this issue.
 - **DCN 05 - Ethtools 2:**
 - In order to have parity between the Ethtool ioctls of e100 and e1000, the following IOCTLs were added to the e1000 driver:
 - ETHTOOL_GRINGPARAM
 - ETHTOOL_SRINGPARAM
 - **DCN 06 – Add OID to show Flow 10/100:**
 - An OID has been implemented to provide the current status of flow control such as whether RX PAUSE FRAME and TX PAUSE FRAME are on or off.
 - **DCN 07 - ASF 2.0 Assert / De-assert:**
 - The ASF software and firmware has been updated to have the ability to enable and disable an alert assertion and an alert de-assertion for 82541 and 82547. This information is included in the BIOS ASCPI tables, and the software will read this information and then configure the device to function accordingly. Support for this feature was added to both the Windows and Linux drivers.
 - **DCN 19 - Return Kingsport Ids to mainstream NDIS GbE INFs (WXPS2003/W2K):**
 - Kingsport Quad port adapter is installed using a separate INF file in Win2K and Windows Server 2003 /Windows XP. This change was done to allow our customer base to receive an uncertified driver for these OS'es due to CERT failures with Kingsport. Lately, Microsoft provided a work-around for the CERT failures and the Bay City 3.0 project successfully certified Kingsport for the Windows Server 2003 operating system. In Bay City 4.0 an acceptable

workaround was found for Windows 2000 certification. As such, there is no need to keep the Kingsport INF separate anymore.

- **DCN 23 - Implement Logging of the Link speed, and duplex in link up Event Log:**
 - Modifications have been made so the link up event log message generated by the drivers includes the link speed and duplex.
- **DCN 24 - Add ICH6 DeviceIDs:**
 - ICH6 DeviceID was added to support the 82562 LAN Silicon that is integrated into the ICH6 Silicon and reference platforms.
- **DCN 25 - NDIS ANS - Add Forward Delay Support In AFT/ALB teaming Modes:**
 - On some failover scenarios traffic disconnections occurred when using NDIS ANS team (in SFT, AFT, ALB modes) within a Blade Server environment. Configuring a correct forward delay value can prevent these disconnections. Both Linux ANS and Linux Bonding have already included this capability. In order to allow the user a better network availability and to be aligned with Linux ANS/Bonding capability, NDIS ANS now also provided this capability.
- **DCN 34 – New Makedisk utility**
 - New, easily configurable utility.
- **DCN 43 – No VLAN Tag Stripping Option**
 - We now offer the ability to prevent VLAN tag stripping on Windows gigabit drivers.