

VT6120/VT6122/VT6130/VT6132

Driver Package (VIA version)

Version: 3.1

1. Major changes in this software packages

1.1. Add Vista NDIS6 driver.

1.2. Add WinCE6.0 driver.

1.3. Change directory structure.

2. Notice

2.1. All the drivers included in this software package are free for the vulnerability of Ethernet frame padding information leakage issue reported by @stake Inc. in Jan 2003.

2.2. WHQL submission number of the Windows NDISM driver (v1.59) for x86/x64 in this software package is 1226527, NDIS6 driver (v1.28) for x86/x64 is 1251776.

3. Detailed change note list

3.1. Drivers

Name	Ver.	Support OS	Location	Note
NDIS5 for Windows X86	1.59	Windows 98SE, Windows ME, Windows 2000; Windows XP, Windows Server 2003 X86 Edition	\XP_Srv2003_2K_ME_98SE\	From 1.57 to 1.59: 1. Fix WinXP X64 cannot normal shutdown with VT6130 on Intel Platform issue. 2. Make show packets or bytes on Activity Property as selectable, default shows packets.
NDIS5 for Windows X64		Windows XP, Windows Server 2003 X64 Edition		
NDIS5 for Embedded	1.59	Windows XP Embedded SP1	\XPe\	From 1.56 to 1.58: 1. Fix MiniportShutdown call NdisXxx bug found by Microsoft. 2. Fix CETK 2c_MulticastReceive failure.
	1.58	Windows CE 4.0/4.2	\CE4\	
		Windows CE 5.0	\CE5\	
		Windows CE 6.0	\CE6\	
NDIS6 for Vista X86/X64	1.28	Windows Vista X86 Edition Windows Vista X64 Edition	\Vista\	From 1.27 to 1.28: 1. Driver won't wait Re-Auto time if adapter is linkoff when WOL. This patch may fix HD Audio disappear issue on some platform.
NDIS2	1.08	LAN Server DOS Workstations, LANTASTIC, PCNFS, DOS (MS client 3.0)	\LANSVR40.DOS\, \LANTASTI\, \MSLANMAN.DOS\, \PCNFS\	From 1.07 to 1.08: 1. At initialization stage, stop MAC to prevent previous driver didn't release control (bad PXE application's behavior) before initializing MAC.

Packet	1.13	DOS (NCSA Telnet client, PCTCP)	\PKTDRVR\	From 1.10 to 1.13: 1. Fix interrupt service mechanism. 2. Add a timer to wait releasing resource, and remove times out mechanism for waiting transmitted completed in DriverSend. 3. Adopt async way to send packet. 4. Change default TD number from 6 to 8. 5. Fix a bug that Multicast-Rx function fail in promiscuous mode.
Server ODI (ASM version)	2.02	Netware Server 3.11, 3.12, 4.11, 4.12	\NETWARE\SRVRODI.31\, \NETWARE\SRVRODI.312\, \NETWARE\SRVRODI.4\	From 2.01 to 2.02: 1. Support VT6130/VT6132. 2. Fix Rx 4K boundary issue.
Server ODI (C version)	2.06	Client 32 for DOS, Netware Server 4.x, 5.0, 5.1, 6.0, 6.5	\NETWARE\CLIENT32\, \NETWARE\SRVRODI.56\	From 2.05 to 2.06: 1. Support VT6130/VT6132 jumbo function. 2. Improve VT3286 performance. 3. Fix client32 Rx error issue (4K boundary error). 4. Fix the bug of speed and deplux display error.
DOS ODI	1.11	DOS (Netware client for DOS)	\NETWARE\DOSODI\	From 1.10 to 1.11: 1. Modified the processing sequence of SRCI procedure.
MAC OS	1.06	MAC OS X 10.2.x, 10.3.x, 10.4.x	\MACOSX\	From 1.04 to 1.06: 1. Add MAC OS 10.3.X & 10.4.X support. 2. Add Checksum Offload and VLAN function.
Linux	1.30	Linux x86 Kernel 2.2.x ~ 2.6.18 Linux AMD64 Kernel 2.4.x ~ 2.6.18	\LINUX\	From 1.28 to 1.30: 1. Fix the setting tx/rx queue timer. 2. Simplify the ISR service routine coding. 3. Modify the default TD/RD value to 252/256.
FreeBSD	1.20	FreeBSD 3.2, 4.0, 4.11, 4.2, 4.5~4.7, 5.0~5.3, 5.2~5.3 AMD64	\FREEBSD\	1. No version change in this software package.
Solaris	1.10	Solaris 8, 9	\SOLARIS\	1. No version change in this software package.
Winsetup	3.31	Windows 98SE, Windows ME, Windows 2000, Windows XP, Windows Server 2003, Windows Vista X86 Edition, Windows XP, Windows Server 2003, Windows Vista X64 Edition	\XP_Srv2003_2K_ME_98SE\X86, \XP_Srv2003_2K_ME_98SE\X64; \Vista\X86, \Vista\X64	From 3.21 to 3.30: 1. Separate the program for x64 platform to WinSetup64 / WinUinst64. 2. Add the requireAdministrator priviledge. 3. Fix the bug in registry write function on Vista X64. 4. Modify the install/preinstall process. 5. Modify the install process to preinstall when no NICs on board and won't report error. 6. Fix command line bug when using "-" in the execution path. 7. Fix the bug when remove driver not in driverstore. 8. Fix the East Asian laguage error.

				9. Add Russian and Turkish support.
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3.2. Boot ROM

Name	Ver.	Support OS	Location	Note
RPL-DOS	1.19		\RPL\	From 1.17 to 1.19: 1. Modify interrupt service mechanism. 2. Fixed a bug in the function of reading eeprom shadow. 3. Modify the driver to support VT6130/VT6132 4. Modify the link speed cannot reach 1Gbps issue.
PXE	1.21		\PXE\	From 1.18 to 1.21: 1. Modify the link speed cannot reach 1Gbps issue. 2. Recompiler the PXE bootrom based on PXE SDK 2.1 build 083.
PXERPL	1.18		\PXERPL\	From 1.16 to 1.18: 1. Use PXE 1.21 and RPL 1.19.

3.3. MISC

Name	Ver.	Support OS	Location	Note
UNATTEND	1.02	Windows 9x, NT 4.0, 2000, XP	\UNATTEND\	1. No version change in this software package.