

VT6107 and VT8231/VT8233/VT8235/VT8237 Integrated LAN Software Package (VIA version) Version: 3.9

1. Major changes in this software packages

1.1. Fix Netware 4.2 Server login issue.

1.2. Fix Linux driver issue that connection type set by ethtool always be "Auto" after system resume.

2. Notice

2.1. All the drivers included in this driver 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 (v3.37) for x86 in this software package is 861029.

3. Detailed change note list

3.1. Drivers

Name	Ver.	Supporting OSes	Location	Note
NDIS3 NDIS4 NDIS5	3.37	Win95, Win95OSR2, Win98, Win98SE, NT3.51, NT4.0, WinME, Win2000, WinXP, Windows Server 2003	Root directory	1. No version change in this software package.
NDIS5 for XP embedded	3.37	Windows XP embedded SP1	\XPe\	
NDIS5 for Windows CE 4.0/4.2	3.37	Windows CE 4.0/4.2	\CE4\	
NDIS5 for Windows CE 5.0	3.37	Windows CE 5.0	\CE5\	
NDIS5 for AMD64	3.40	Windows XP, Windows Server 2003 for AMD64	\AMD64\	1. Fix AMD64 driver NDIS Test WOL fail bug.
NDIS3F	3.15	Windows For Workgroup 3.11	\WFW311\	1. No version change in this software package.
NDIS2	4.29	LAN Server DOS Workstations,	\LANSVR40.DO S\, \LANTASTI\,	1. No version change in this software package.

		LANTASTIC, PCNFS, MS DOS 6.22 (MS client 3.0)	\MSLANMAN.DO S\, \PCNFS\	
Packet	4.26	MS DOS 6.22 (NCSA Telnet client, PCTCP)	\PKTDRVR\	<ol style="list-style-type: none"> 1. Fixed the bug for share IRQ. 2. Rewrite MII accessing interface. 3. We will do shutdown routine if MAC is running in initial time. 4. Added TimtOut for waiting transmit-completed. 5. When free-TD is unavailable, driver will return NO_SPACE. 6. Fixed the bug for flow control setting.
Server ODI (ASM version)	5.02	Netware Server 3.11, 3.12, 4.11, 4.12	\NETWARE\SRV RODI.311\, \NETWARE\SRV RODI.312\, \NETWARE\SRV RODI.4\	<ol style="list-style-type: none"> 1. Change Rx buffer default value from 64 to 48. 2. Dynamic Tx pause frame threshold setting according to RD count. 3. Fix a bug in v5.00 that when Server can't support enough RCBs the Rx will be fail. 4. If RD(RCB) are lower than 24, driver will disable flow control automatically. 5. Increase media specific counter TxAbortCarrierSense when TX packet was serviced during link down. 6. Rx buffer size setting is differentiated between NW3.11 and NW3.12/NW4.X.
Server ODI (C version)	6.07	Client 32 for DOS, Netware Server 5.0, 5.1, 6.0, 6.5	\NETWARE\CLIE NT32\, \NETWARE\SRV RODI.56\	<ol style="list-style-type: none"> 1. No version change in this software package.
DOS ODI	4.24	MS DOS 6.22 (Netware client for DOS)	\NETWARE\DOS ODI\	<ol style="list-style-type: none"> 1. No version change in this software package.
MAC OS	1.07	MAC OS X	\MACOSX\	<ol style="list-style-type: none"> 1. No version change in this software package.
Linux	4.38	Linux x86 Kernel 2.2.x ~ 2.6.x Linux AMD64 Kernel 2.4.x ~ 2.6.x	\LINUX\	<ol style="list-style-type: none"> 1. Fix the bug that ConnectionType set by ethtool will go back to Auto after system wake-up.
FreeBSD	3.21	FreeBSD 3.2, 4.0, 4.11, 4.2, 4.5~4.9, 5.0~5.2, 5.2 AMD64	\FREEBSD\	<ol style="list-style-type: none"> 1. Porting to FreeBSD 5.2. 2. Fix FET_LOCK macro bug. 3. Porting to FreeBSD 5.2 AMD64 version.
Unixware	2.15	SCO Unixware 7.1, OpenUnix 8	\UNIXWARE\	<ol style="list-style-type: none"> 1. No version change in this software package.
SCO5	4.18	SCO Open Server 5.0.4	\SCO5\	<ol style="list-style-type: none"> 1. No version change in this software package.
Solaris	1.08	Solaris 8, 9	\SOLARIS\	<ol style="list-style-type: none"> 1. No version change in this software package.
DIAG	3.35	MS DOS 6.22	Root directory	<ol style="list-style-type: none"> 1. Add support for new VT3287 RAMBIST test function. 2. Add a hidden -atm command-line packet-loss tolerance function for factory production test. 3. Use new SROM lib for new mechanism of EEP-less checking in VT823X.
Winsetup	2.28	Win95, Win95OSR2, Win98, Win98SE,	Root directory, \WINSETUP\	<ol style="list-style-type: none"> 1. No version change in this software package.

		NT3.51, NT4.0, WinME, Win2000, WinXP, Windows Server 2003		
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3.2. Application utilities for users

Name	Ver.	Supported OSes	Location	Note
NICSET	2.06	Win95, Win95OSR2, Win98, Win98SE, NT4.0, WinME, Win2000, WinXP, Windows Server 2003	\NICSET\	1. No version change in this software package.

3.3. Drivers/Utilities for Boot ROM users

Name	Ver.	Supported OSes	Location	Note
Flash	3.12	MS DOS 6.22	\FLASH\	1. Modify flash tool for RPL bootrom supporting INT18 and BEV. 2. Use new SROM lib for new mechanism of EEP-less checking in VT823X.
RPL-DOS	4.34	Remote boot DOS	\RPL\	1. Supported Shared IRQ. 2. Added timeout in read/write MII function. 3. Adopted new mechanism for identifying if serial-EEPROM or EEPROM-less used.
RPL-W95	4.34/ 3.37	Remote boot Windows 95 Golden	\RPLW95\	1. Use newer version RPL bootrom.
PXE	2.38		\PXE\	1. Adopted new mechanism for identifying if serial-EEPROM or EEPROM-less used.
PXERPL	2.37		\PXERPL\	1. PXE 2.38 and RPL 4.34.

3.4. Drivers/Utilities for manufacture, not to release to users

Name	Ver.	Supported OSes	Location	Note
Ether-debug tool for Windows CE	1.02	Microsoft Windows CE 4.2/5.0	\ETHERTOOL\	1. No version change in this software package.
EEPROM	3.20	MS DOS 6.22	\EEPROM\	1. Modify eeprom tool for RPL bootrom supporting INT18 and BEV. 2. Use new SROM lib for new mechanism of EEP-less checking in VT823X.

3.5. MISC

Name	Ver.	Support OSes	Location	Note
UNATTEND	1.00	Windows 9x, NT 4.0,	\UNATTEND\	1. No version change in this software package.

		2000, XP		
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3.6. Application documents

Document	Ver.	Location	Note
NICSET User Guide	1.2	\NICSET\	1. No version change in this software package.