

# VT6105M Software Package (VIA version)

## Version: 2.0

### 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<br>NDIS4<br>NDIS5            | 3.37 | Win95, Win95OSR2,<br>Win98, Win98SE,<br>NT3.51, NT4.0, WinME,<br>Win2000, WinXP,<br>Windows Server 2003 | Root directory                                     | 1. No version change in this software package. |
| NDIS5 for XP<br>embedded           | 3.37 | Windows XP embedded<br>SP1  | \Xpe\  |  |
| NDIS5 for<br>Windows CE<br>4.0/4.2 | 3.37 | Windows CE 4.0/4.2  | \CE4\  |  |
| NDIS5 for<br>Windows CE<br>5.0     | 3.37 | Windows CE 5.0  | \CE5\  |  |
| NDIS5 for<br>AMD64                 | 3.40 | Windows XP, Windows<br>Server 2003 for AMD64  | \AMD64\  | 1. Fix AMD64 driver NDIS Test WOL fail bug.    |
| NDIS3F                             | 3.15 | Windows For<br>Workgroup 3.11   | \WFW311\   | 1. No version change in this software package. |
| NDIS2                              | 4.29 | LAN Server DOS<br>Workstations,<br>LANTASTIC, PCNFS,  | \LANSVR40.DO<br>S\,<br>\LANTASTI\,<br>\MSLANMAN.DO | 1. No version change in this software package. |

|                             |      |  |  |   |
|-----------------------------|------|--|--|---|
|                             |      | MS DOS 6.22 (MS client 3.0)  | S\<br>\\PCNFS\   |   |
| Packet                      | 4.26 | MS DOS 6.22 (NCSA Telnet client, PCTCP)                                | \\PKTDRVR\   | <ol style="list-style-type: none"> <li>1. Fixed the bug for share IRQ.</li> <li>2. Rewrite MII accessing interface.</li> <li>3. We will do shutdown routine if MAC is running in initial time.</li> <li>4. Added TimtOut for waiting transmit-completed.</li> <li>5. When free-TD is unavailable, driver will return NO_SPACE.</li> <li>6. Fixed the bug for flow control setting.</li> </ol>   |
| Server ODI<br>(ASM version) | 5.02 | Netware Server 3.11, 3.12, 4.11, 4.12                                  | \\NETWARE\\SRV RODI.311\<br>\\NETWARE\\SRV RODI.312\<br>\\NETWARE\\SRV RODI.4\ | <ol style="list-style-type: none"> <li>1. Change Rx buffer default value from 64 to 48.</li> <li>2. Dynamic Tx pause frame threshold setting according to RD count.</li> <li>3. Fix a bug in v5.00 that when Server can't support enough RCBs the Rx will be fail.</li> <li>4. If RD(RCB) are lower than 24, driver will disable flow control automatically.</li> <li>5. Increase media specific counter TxAbortCarrierSense when TX packet was serviced during link down.</li> <li>6. Rx buffer size setting is differentiated between NW3.11 and NW3.12/NW4.X.</li> </ol> |
| Server ODI<br>(C version)   | 6.07 | Client 32 for DOS, Netware Server 5.0, 5.1, 6.0, 6.5                   | \\NETWARE\\CLIE NT32\<br>\\NETWARE\\SRV RODI.56\                               | <ol style="list-style-type: none"> <li>1. No version change in this software package.</li> </ol>  |
| DOS ODI                     | 4.24 | MS DOS 6.22 (Netware client for DOS)                                   | \\NETWARE\\DOS ODI\  | <ol style="list-style-type: none"> <li>1. No version change in this software package.</li> </ol>  |
| MAC OS                      | 1.07 | MAC OS X   | \\MACOSX\  | <ol style="list-style-type: none"> <li>1. No version change in this software package.</li> </ol>  |
| Linux                       | 4.38 | Linux x86 Kernel 2.2.x ~ 2.6.x<br><br>Linux AMD64 Kernel 2.4.x ~ 2.6.x | \\LINUX\   | <ol style="list-style-type: none"> <li>1. Fix the bug that ConnectionType set by ethtool will go back to Auto after system wake-up.</li> </ol>  |
| 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"> <li>1. Porting to FreeBSD 5.2.</li> <li>2. Fix FET_LOCK macro bug.</li> <li>3. Porting to FreeBSD 5.2 AMD64 version.</li> </ol>  |
| Unixware                    | 2.15 | SCO Unixware 7.1, OpenUnix 8   | \\UNIXWARE\  | <ol style="list-style-type: none"> <li>1. No version change in this software package.</li> </ol>  |
| SCO5                        | 4.18 | SCO Open Server 5.0.4  | \\SCO5\  | <ol style="list-style-type: none"> <li>1. No version change in this software package.</li> </ol>  |
| Solaris                     | 1.08 | Solaris 8, 9   | \\SOLARIS\   | <ol style="list-style-type: none"> <li>1. No version change in this software package.</li> </ol>  |
| DIAG                        | 3.35 | MS DOS 6.22  | Root directory   | <ol style="list-style-type: none"> <li>1. Add support for new VT3287 RAMBIST test function.</li> <li>2. Add a hidden -atm command-line packet-loss tolerance function for factory production test.</li> <li>3. Use new SROM lib for new mechanism of EEP-less checking in VT823X.</li> </ol>  |
| Winsetup                    | 2.28 | Win95, Win95OSR2, Win98, Win98SE, NT3.51, NT4.0, WinME,                | Root directory,<br>\\WINSETUP\   | <ol style="list-style-type: none"> <li>1. No version change in this software package.</li> </ol>  |

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|  |  | Win2000, WinXP,<br>Windows Server 2003 |  |  |
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### 3.2. Application utilities for users

| Name   | Ver. | Supported OSes  | Location | Note   |
|--------|------|---|----------|--|
| NICSET | 2.06 | Win95, Win95OSR2,<br>Win98, Win98SE,<br>NT4.0, WinME,<br>Win2000, WinXP,<br>Windows Server 2003 | \NICSET\ | 1. No version change in this software package. |
| DMI    | 1.17 | Win95, Win95OSR2,<br>Win98, Win98SE,<br>NT4.0, WinME,<br>Win2000, WinXP,<br>Windows Server 2003 | \DMI\    | 1. No version change in this software package. |
| VSNMP  | 1.18 | Win98, Win98SE,<br>NT4.0, WinME,<br>Win2000, WinXP,<br>Windows Server 2003                      | \VSNMP\  | 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.<br>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.<br>2. Added timeout in read/write MII function.<br>3. Adopted new mechanism for identifying if serial-EEPROM or EEPROM-less used. |
| RPL-W95 | 4.34/<br>3.37 | Remote boot Windows<br>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<br>tool for | 1.02 | Microsoft Windows CE<br>4.2/5.0 | \ETHERTOOL\ | 1. No version change in this software package. |

|            |      |             |            |  |
|------------|------|-------------|------------|--|
| Windows CE |      |             |            |  |
| EEPROM     | 3.20 | MS DOS 6.22 | \\EEPROM\\ | <ol style="list-style-type: none"> <li>1. Modify eeprom tool for RPL bootrom supporting INT18 and BEV.</li> <li>2. Use new SROM lib for new mechanism of EEP-less checking in VT823X.</li> </ol> |

### 3.5. MISC

| Name     | Ver. | Support OSes                 | Location     | Note   |
|----------|------|------------------------------|--------------|--|
| UNATTEND | 1.00 | Windows 9x, NT 4.0, 2000, XP | \\UNATTEND\\ | <ol style="list-style-type: none"> <li>1. No version change in this software package.</li> </ol> |

### 3.6. Application documents

| Document          | Ver. | Location   | Note   |
|-------------------|------|------------|--|
| NICSET User Guide | 1.2  | \\NICSET\\ | <ol style="list-style-type: none"> <li>1. No version change in this software package.</li> </ol> |
| DMI User Guide    | 1.2  | \\DMI\\    | <ol style="list-style-type: none"> <li>1. No version change in this software package.</li> </ol> |
| VSNMP User Guide  | 1.3  | \\VSNMP\\  | <ol style="list-style-type: none"> <li>1. No version change in this software package.</li> </ol> |