



**Remote Deployment Manager 3.1.01
With Patch 2**

**Compatibility and Configuration Guide
For IBM Systems**

Updated December 10, 2002

Note: Before using this information and the product it supports, be sure to read the notes and trademark information in the Appendix.

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1. About the Guide

This document includes information about the hardware and software that IBM® Remote Deployment Manager (RDM) supports. You will find tables that detail which IBM systems are supported as RDM systems. Supported network interface cards (NICs) are listed here as well. RDM requires certain levels of firmware for both system hardware and network adapter to function properly. Please check the tables for proper BIOS levels.

RDM is licensed and available at no charge for use on IBM systems. You must purchase the System Installation Tool Kit to obtain a license to use RDM on non-IBM systems.

Although one of the features of RDM is to distribute software to computers across a LAN, the terms and conditions of the IBM International Program License Agreement for RDM do not grant any license to install, copy, or use any application software or operating system software not provided with RDM. This includes, but is not limited to, Microsoft® Windows® 3.1, Windows 95, Windows 95 OSR2, Windows 98, Windows NT®, Windows 2000 Professional, Windows 2000 Server and Advanced Server, Windows XP Professional, and DOS. Always ensure that you have obtained suitable licenses for any software you intend to use with RDM.

1.1. How to Find Your Way Around

This guide is organized in numbered chapters and sections. The Table of Contents above lists the different sections and corresponding page numbers. If you are viewing the guide on-line with Acrobat Reader, you can easily navigate the document by clicking the hyperlinked text in the Table of Contents as well as the references to the World Wide Web. You will notice that the cursor changes when you move it above hyperlinked text.

1.2. Further Reference

In addition to this guide, there are various other sources that you can consult on RDM:

- ▶ Context-sensitive help provided with RDM. From the main window, select the **Help** menu and click the **Help Index**.
- ▶ The User's Guide, downloadable from the RDM home page at http://www.pc.ibm.com/us/eserver/xseries/systems_management/rdm/index.html.
- ▶ Last minute updates and changes are given in ReadMe files. Please visit the [RDM home page](#).
- ▶ Subscribe to the RDM Users Forum to discuss problems and solutions with fellow users. Please see <http://www7.pc.ibm.com/~UMS/>.
- ▶ Get technical support. Support is available for supported systems (IBM and non-IBM) through e-mail or fee-based telephone support. Telephone support is not available in all countries. For more information about the fee-based telephone support, see <http://www.ibm.com/support> or <http://service.software.ibm.com/supportline.html>. For more information about e-mail support, please visit the [RDM home page](#).
- ▶ To purchase the System Installation Tool Kit to use RDM on non-IBM systems, please visit <http://www.pc.ibm.com/ww/solutions/lcc/sit.html>.

2. Supported Computers

The following information is a comprehensive listing of all IBM computers supported by RDM version 3.1.01 with Patch 2. The BIOS level shown in the matrices indicate the levels that were used in testing. It is recommended that you update your systems to the most recent BIOS level. To get BIOS updates, check the support page for a particular system.

2.1. IBM Servers

Computer		Maintenance					Unattended Install		Clone Install
Type	Model	Tested BIOS Level	BIOS Update	CMOS Update	ASM Config.	RAID Config.	Windows NT 4.0 Server	Windows 2000 Server & Advanced Server	Windows 2000 Server & Advanced Server
*8476	Netfinity® 3000	NTJT32A	Y	Y	Y	Y	Y	Y ¹	Y
*8644	Netfinity 3500	NNJT35A	Y	Y ⁹	Y	Y	Y	Y	Y
*6889	Netfinity 3500 M10	NUJT43A	Y	Y ⁹	Y	Y	Y	Y	Y
*8657	Netfinity 3500 M20 ⁷	HQJT19A	Y ⁵	Y ⁹	Y ³	Y	Y	Y	Y
*8652	Netfinity 4000R ⁷	TRJT11A ²	Y	Y ⁹	Y ⁴	Y	Y	Y	Y
*8656	Netfinity 4500R ^{6,7}	ILJT44A	Y	Y ⁹	Y ³	Y	Y	Y	Y
*8659	Netfinity 5000 ^{6,7}	MOJT51A	Y	Y ⁹	Y	Y	Y	Y	Y
*8658	Netfinity 5100 ^{6,7}	ILJT44A	Y	Y ⁹	Y ³	Y	Y	Y	Y
*8660	Netfinity 5500 ^{6,7}	KIJT78A	Y	Y ⁹	Y	Y	Y	Y	Y
*8661	Netfinity 5500 M10 ^{6,7}	KIJT78A	Y	Y ⁹	Y	Y	Y	Y	Y
*8662	Netfinity 5500 M20 ^{6,7}	KQJT24A	Y	Y ⁹	Y	Y	Y	Y	Y
*8664	Netfinity 5600 ^{6,7}	TPJT58A	Y	Y ⁹	Y	Y	Y	Y	Y
8582	Netfinity 6000R ^{6,7}	ARJT21A	Y ⁵	Y ⁹	Y ³	Y	Y	Y	Y
*8651	Netfinity 7000 ^{6,7}	CKJT15A	N	N	Y	Y	Y	N	Y
*8680	Netfinity 7000 M10 ^{6,7}	OSJT37A	Y	Y ⁹	Y	Y	Y	Y	Y
*8666	Netfinity 7100 ^{6,7}	MWJT29A	Y ⁵	Y ⁹	Y ³	Y	Y	Y	Y
*8665	Netfinity 7600 ^{6,7}	MWJT29A	Y ⁵	Y ⁹	Y	Y	Y	Y	Y
*8681	Netfinity 8500R ^{6,7}	MMJT33A	Y	Y ⁹	Y	Y	Y	Y	Y
*8478	@server xSeries 200	EXJT33A	Y	Y ⁹	Y	Y	Y	Y	Y

Computer		Maintenance					Unattended Install		Clone Install
Type	Model	Tested BIOS Level	BIOS Update	CMOS Update	ASM Config.	RAID Config.	Windows NT 4.0 Server	Windows 2000 Server & Advanced Server	Windows 2000 Server & Advanced Server
*8479	@server xSeries 200	ZRJT13A	Y	Y ⁹	Y	Y	Y	Y ¹⁰	Y
*8480	@server xSeries 205	JPJT19A	Y	Y	Y	Y	Y	Y ¹²	Y
*8645	@server xSeries 220 ⁸	TUJT18A	Y	Y	Y	Y	Y	Y	Y
8646	@server xSeries 220	JJJT14A	Y	Y ⁹	Y	Y	Y	Y	Y
*8668	@server xSeries 232	QAJT23A	Y	Y ⁹	Y	Y	Y	Y	Y
*8658	@server xSeries 230 ^{6,7}	ILJT44A	Y	Y ⁹	Y ³	Y	Y	Y	Y
*8671	@server xSeries 235	GRJT14A	Y	Y ⁹	Y	Y	N	Y ^{10, 11, 12}	Y ¹¹
*8664	@server xSeries 240 ^{6,7}	TPJT58A	Y	Y ⁹	Y	Y	Y	Y	Y
*8665	@server xSeries 250 ^{6,7}	MWJT29A	Y ⁵	Y ⁹	Y	Y	Y	Y	Y
*8685	@server xSeries 255	AVJT08A	Y	Y	Y	Y	Y	Y ¹²	Y
8672	@server xSeries 300	ABJT17A	Y	Y ⁹	Y	Y	Y	Y	Y
*8673	@server xSeries 305	PLJT25A	Y	Y	Y	Y	N	Y ¹²	Y
*8654	@server xSeries 330 ⁷	TTJT29A	Y	Y ⁹	Y	Y	Y	Y	Y
*8674	@server xSeries 330	EMJT05A	Y	Y ⁹	Y	Y	Y	Y	Y
*8675	@server xSeries 330	TVJT10A	Y	Y ⁹	Y	Y	Y	Y	Y
*8676	@server xSeries 335	T2E106A	Y	Y ⁹	Y	Y	Y	Y ^{10, 11, 12}	Y ¹¹
*8656	@server xSeries 340 ^{6,7}	ILJT44A	Y	Y ⁹	Y ³	Y	Y	Y	Y
*8669	@server xSeries 342	QAJT23A	Y	Y ⁹	Y	Y	Y	Y	Y
*8670	@server xSeries 345 ¹⁴	GEJT11A	N	N	N	Y	N	Y ^{10, 11, 12, 15}	Y ¹¹
*8682	@server xSeries 350 ^{6,7}	ARJT21A	Y	Y ⁹	Y	Y	Y	Y	Y
*8686	@server xSeries 360	RUKT47A	Y	Y	Y	Y	Y	Y	Y
*8681	@server xSeries 370 ^{6,7}	MMJT33A	Y	Y ⁹	Y	Y	Y	Y	Y
8687	@server xSeries 440	VIJT29A	Y	N	Y	Y	Y	Y	Y
8678	BladeCenter HS20	BRJT11A	Y	Y	Y	Y	N	Y ¹³	Y

Notes:

Y = Supported

N = Not supported

* = Models tested in the RDM lab

1. Wake on LAN® becomes disabled after normal operating system shut down on this system.
2. If the system has the AMI BIOS, then you must update the BIOS manually to this BIOS level or later prior to managing with RDM.
3. You must create an LCA file in order to install the SCSI drivers.
4. Supported with Adaptec SCSI Adapter only. You must create an LCA file in order to install the SCSI drivers.
5. Intermittent problem with server hanging while flashing BIOS. If this happens, you will have to recover the BIOS using a BIOS Flash diskette. The recovery process will involve moving a jumper or setting a switch, updating the BIOS with the diskette, and then moving the jumper or switch back to its original setting. Please consult your server documentation (e.g., Hardware Information) for recovery details.
6. Supported only if you install a supported PCI network adapter.
7. Does not support Wake on LAN.
8. Supports Wake on LAN only if you install a supported PCI network adapter.
9. Supported with the use of lccmos.bat.
10. It is recommended for this system that if you deploy Windows 2000 you do so with Windows 2000 Service Pack 2 or greater integrated. Please see Chapter 6 of the "RDM 3.1.01 User's Guide" for more information.
11. The primary boot sequence should have network before hard drive.
12. When performing an unattended install of Windows 2000 Server or Advanced Server, you may wish to include the latest driver for Alert Standard Format (ASF). To add this driver follow the steps below.
 - a) Download the latest ASF drivers for the system by going to <http://www.ibm.com/support/us/> and searching for "Alert Standard Format"
 - b) Extract the drivers to: `c:\RDM\clntfile\defaults\oem\d1\drv\`a
 - c) Edit `c:\rdm\clntfile\w2k.lca` and find the line starting with "OemPnPDriversPath". Append ";drv\a" at the end of this line, before the last quote. The following is an example of how this line would look if you modified it from the default one included with RDM 3.1.01 Patch 2:
`OemPnPDriversPath = "drv\n\ve;drv\n\intel;drv\n\3com;drv\n\tkn;drv\n\3CS;drv\n\acc;drv\n\gig;drv\n\b57;drv\`a"
13. Requires the Windows 2000 image to have Windows 2000 Service Pack 3 integrated. Please see Chapter 6 of the "RDM 3.1.01 User's Guide" for more information.
14. Not supported with a Remote Supervisor Adapter.
15. In systems with more than 512 MB of memory, you will get a Service failure error with the IBM Automatic Server Restart Executable service.

2.2. Desktop Computers

Computer		Maintenance					Unattended Install				Clone Install			
Type	Model	Tested BIOS Level	BIOS Update	CMOS Update	Pass-word Update	Asset ID Support	Windows 98 & 98 Second Edition	Windows NT 4.0 WorkStation (SP4-SP6A)	Windows 2000 Professional	Windows XP Professional 32-bit	Windows 95 & 95 OSR2	Windows 98 & 98 Second Edition	Windows 2000 Professional	Windows XP Professional 32-bit
6204 *6214	IntelliStation EPro	20KT32A	N	N	N	N/A	N	Y	Y	Y	N	N	Y	Y
*6226	IntelliStation Epro	JPJT19A	Y	Y	N	N/A	N	Y	Y	Y	N	N	Y	Y
*6867	IntelliStation EPro	NWJT53A	Y	Y	Y	N/A	N	Y ³	Y ³	Y	N	N	Y	Y
*6893	IntelliStation EPro	NVJT58A	Y	Y	Y	Y	N	Y	Y	Y	N	N	Y	Y
*6836 *6846	IntelliStation EPro	EXJT33A	Y	N	N	N/A	N	Y	Y	Y	N	N	Y	Y
*6868	IntelliStation MPro	PLJT44A	Y	Y	Y	N/A	N	Y	Y	Y	N	N	Y	Y
*6898	IntelliStation MPro	NGJT41A	Y	Y	Y	N/A	N	Y	Y ⁸	Y	N	N	Y	Y
*6849	IntelliStation MPro	PGJT25A	N ⁷	N ⁷	N/A	N/A	N	Y	Y	Y	N	N	Y	Y
6233 *6850	IntelliStation MPro	DAJT27A	Y	N	N	N/A	N	Y	Y	Y	N	N	Y	Y
*6851	IntelliStation RPro	ENJT06A	Y	N	N	N/A	N	Y ^{10,11}	Y ¹¹	Y	N	N	Y	Y
*6865	IntelliStation ZPro	NYJT33A	Y	Y	Y	Y	N	Y	Y	Y	N	N	Y	Y
*6866	IntelliStation ZPro	PFJT45A	Y	Y	Y	Y	N	Y	Y ⁴	Y	N	N	Y	Y
*6899	IntelliStation ZPro	NKJT22A	Y	Y	Y	N/A	N	Y	N	Y	N	N	Y	Y
6344 6345	PC 300 ⁶	PUJT21A	Y	Y	Y	N/A	Y	Y	N	N/T	N	Y	N/T	N/T

Computer		Maintenance					Unattended Install				Clone Install			
Type	Model	Tested BIOS Level	BIOS Update	CMOS Update	Password Update	Asset ID Support	Windows 98 & 98 Second Edition	Windows NT 4.0 WorkStation (SP4-SP6A)	Windows 2000 Professional	Windows XP Professional 32-bit	Windows 95 & 95 OSR2	Windows 98 & 98 Second Edition	Windows 2000 Professional	Windows XP Professional 32-bit
*6562 6592	PC 300PL	NMJT25A	Y	Y	Y	N/A	Y	Y	Y	N/T	Y	Y	N/T	N/T
*6563 6593 *6574	PC 300GL	PJJT38A	Y	Y	Y	N/A	Y	Y	Y	Y	Y	Y	Y	Y
*6564	PC 300GL	PJJT38A	Y	Y	Y	N/A	Y	Y	Y	N	Y	Y	Y	N
*6565	PC 300PL	PMJT25A	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
*6584 *6594	PC 300PL	NWJT53A	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
*6588	PC 300XL	NEJT17A	Y	Y	Y	N/A	Y ¹	Y	Y	Y	Y	Y	Y	Y
*6862 6892	PC 300PL	NVJT58A	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
*6268 *6278 *6288	PC 300GL	NXJT37A	Y	Y	Y	N/A	Y	Y	Y	Y	Y	Y	Y	Y
6272 *6282	PC 300GL ³	NDJT36A	Y	Y	Y	N/A	Y	Y	Y	Y	Y	Y	Y	Y
*6275 6285	PC 300GL	PDJT31A	Y	Y	Y	N/A	Y	Y	Y	Y	Y	Y	Y	Y
6287 *6277	PC 300GL	NHJT42A	Y	Y	Y	N/A	Y	Y	Y	Y	Y	Y	Y	Y
*6561 6591	PC 300GL	NZJT42A	Y	Y	Y	N/A	Y	Y	Y	Y	Y	Y	Y	Y
6577 6587	PC 330 PC 350	LVJT38A	Y	Y	Y	N/A	Y	Y	Y	N/T	Y	Y	N/T	N/T
6589	PC 365	LUJT43A	Y	Y	Y	N/A	Y	Y	Y	N/T	Y	Y	N/T	N/T
6877	PC 730	LQKT47A	N/A	N/A	N/A	N/A	Y	Y	Y ²	N/T	Y	Y	N/T	N/T
6887	PC 750	LQKT47A	N/A	N/A	N/A	N/A	Y	Y	Y ²	N/T	Y	Y	N/T	N/T
*6269	NetVista™ A20 ⁶	PTJT21A	Y	Y	Y	N/A	Y	N	N	Y	N	Y	Y	Y
6266 *6270 *6344	NetVista A20 ⁶	PUJT21A	Y	Y	Y	N/A	N	N	Y	Y	N	N	Y	Y

Computer		Maintenance					Unattended Install				Clone Install			
Type	Model	Tested BIOS Level	BIOS Update	CMOS Update	Password Update	Asset ID Support	Windows 98 & 98 Second Edition	Windows NT 4.0 WorkStation (SP4-SP6A)	Windows 2000 Professional	Windows XP Professional 32-bit	Windows 95 & 95 OSR2	Windows 98 & 98 Second Edition	Windows 2000 Professional	Windows XP Professional 32-bit
6276	NetVista A20i ⁶	PUJT21A	Y	Y	Y	N/A	N	N	Y	Y	N	N	Y	Y
*6341 6336 6337 6339 6342 6346 6347 6348	NetVista A21	21JT24A	Y	Y	Y	N/A	Y ¹³	Y	Y	Y	N	Y ⁹	Y	Y
2254 2256 *2257	NetVista A21i	21JT24A	Y	Y	Y	N/A	Y ¹³	Y	Y	Y	N	Y ⁹	Y	Y
*8309	NetVista A30p	24KT21A	Y	Y	N	N/A	N	N	Y	Y	N	N	Y	Y
*2271 *2276 6058 *6568 6578 *6648 6830 *6831 6840 *6881	NetVista A40	PIJT36A	Y	Y	Y	N/A	Y	Y	Y	Y	Y	Y	Y	Y
6842	NetVista A40	KJKT05A	N/T	N/T	N/T	N/T	Y	Y	Y	Y	Y	Y	Y	Y
6059 *6569 *6579 6649 *6841	NetVista A40p	PIJT36A	Y	Y	Y	N/A	Y	Y	Y	Y	Y	Y	Y	Y
*6837 *6847	NetVista A40p	WOJT14A	Y	Y	Y	N/A	Y	Y	Y	Y	Y	Y	Y	Y
6838	NetVista A60	PGJT25A	N ⁷	N ⁷	N/A	N/A	N	Y	Y	Y	N	N	Y	Y
*6832 *6833	NetVista A60	P9JT24A	Y	Y	N/A	N/A	Y ¹³	Y	Y	Y	N	Y ⁹	Y	Y
*6848	NetVista A60i	PGJT25A	N ⁷	N ⁷	N/A	N/A	N	Y	Y	Y	N	N	Y	Y

Computer		Maintenance					Unattended Install				Clone Install			
Type	Model	Tested BIOS Level	BIOS Update	CMOS Update	Pass-word Update	Asset ID Support	Windows 98 & 98 Second Edition	Windows NT 4.0 WorkStation (SP4-SP6A)	Windows 2000 Professional	Windows XP Professional 32-bit	Windows 95 & 95 OSR2	Windows 98 & 98 Second Edition	Windows 2000 Professional	Windows XP Professional 32-bit
*6792 6790 6794	NetVista M41	20JT32A	Y	N	N	N/A	N	Y	Y	Y	N	N	Y	Y
*6290	NetVista M42	24KT21A	Y	Y	N	N/A	N	N	Y	Y	N	N	Y	Y
*8301 *8305	NetVista M42	26KT08A	Y	Y	N	N/A	N	N	Y	Y	N	N	Y	Y
*6644 6645	NetVista S40	LFJT19A ¹²	Y	Y	Y	N/A	N	N	Y ¹²	Y	N	N	Y	Y
*6646	NetVista S40p	LFJT19A ¹²	Y	Y	Y	N/A	N	N	Y ¹²	Y	N	N	Y	Y
*6643	NetVista X40	PRJT57B	Y ⁵	N	N	N/A	Y	N	Y	Y	N	Y	Y	Y
*6274	NetVista X41	22JT32A	N	N	N	N/A	N	Y	Y	Y	N	N	Y	Y

Notes:

Y = Supported

N = Not Supported

N/A = Not Applicable

N/T = Not Tested

* = Models tested in the RDM lab

1. Not supported with PCI token ring cards.
2. Very slow install with RDM.
3. Not supported with on-board Ethernet. You must install a supported network adapter.
4. Wake on LAN becomes disabled after normal operating system shut down on this system.
5. When the BIOS is flashed, the boot sequence resets to the default settings. You will need to go into the system's setup and change the boot sequence so that "Network" is the First Startup Device.
6. To use the on-board 10/100 Ethernet adapter from Accton with RDM, you must purchase and install a suitable boot ROM in the adapter. Alternatively, you could install another network adapter that RDM supports.
7. Starting with BIOS PGJT21A, it is possible to update the BIOS or CMOS on this computer with RDM. Please read the comments in the LCCMREAD.TXT file on the BIOS diskette for more information.
8. The Cirrus GD 5440 VGA video driver will not install successfully. Please use another video driver.
9. The clone install works for Windows 98 Second Edition only.
10. The unattended install does not work for Windows NT 4.0 Workstation, Service Pack 6.

11. To install the Matrox Millennium II Video Adapter, follow these steps:
 - a) Connect the monitor to video port 1
 - b) Create the unattended install software profile
 - c) Assign the system and process the profile. The screen will go black during the installation process. This is expected behavior.
 - d) Wait until the box is checked on the Progress and Errors screen of your RDM console. Now the installation has completed.
 - e) Switch the monitor to video port 4 and reboot the computer. Logon to your system.
 - f) Install the Matrox MGA G200 AGP video driver and reboot the system.
 - g) Switch the monitor back to video port 1.
12. The unattended install of Windows 2000 Professional works with BIOS level LFJT19A. It fails with LFJT22A, LFJT23A, and LFJT24A.
13. The unattended install works for Windows 98 Second Edition only.

2.3. ThinkPad Computers

Computer			Maintenance					Unattended Install ⁸				Clone Install			
Type	Docking Station	Model	Tested BIOS [Embedded Controller] Level ¹⁰	BIOS Update	CMOS Update	Pass-word Update	Asset ID Support	Windows 98 & 98 Second Edition	Windows NT 4.0 Workstation (SP4-SP6A)	Windows 2000 Professional	Windows XP Professional 32-bit	Windows 95 & 95 OSR2	Windows 98 & 98 SE	Windows 2000 Professional	Windows XP Professional 32-bit
9548 9549	A	ThinkPad 770	IDET20WW	Y	Y	N	N/A	Y	Y	Y	N	Y	Y	Y	N
9548 9549	A	ThinkPad 770ED	IDET34WW	Y	Y	N	N/A	Y	Y	Y	N	Y	Y	Y	N
9544 9549	A	ThinkPad 770X	IJET35WW	Y	Y	N	Y	Y	Y	Y	N	Y	Y	Y	N
9544 9549	A	ThinkPad 770Z	IOET22WW	Y	Y	N	Y	Y	Y	Y	N	Y	Y	Y	N
2645 2646	A	ThinkPad 600	IBET37WW	Y	Y	N	N/A	Y	Y	N	N	Y	Y	N	N
2645 2646	A	ThinkPad 600E	IHET38WW	Y	Y	N	Y	Y	Y	N	N	Y	Y	N	N
2645 2646	A	ThinkPad 600E	INET29WW	Y	Y	N	Y	Y	Y	N	N	Y	Y	N	N
2645 2646	A	ThinkPad 600X	ITET44WW	Y	Y	N	Y	Y	Y	N	N	Y	Y	N	N
2643 2644	B	ThinkPad 570	IMET54WW	Y ¹	Y	N	Y	Y	Y	N	N	Y	Y	N	N
2643 2644	B	ThinkPad 570E	IUET17WW	Y ¹	Y	N	Y	Y	Y	N	Y	Y	Y	N	Y
2640 2641	B	ThinkPad 560Z	IEET27WW	Y	Y	N	N/A	Y	Y	N	N	Y	Y	N	N

Computer			Maintenance					Unattended Install ⁸				Clone Install			
Type	Docking Station	Model	Tested BIOS [Embedded Controller] Level ¹⁰	BIOS Update	CMOS Update	Password Update	Asset ID Support	Windows 98 & 98 Second Edition	Windows NT 4.0 Workstation (SP4-SP6A)	Windows 2000 Professional	Windows XP Professional 32-bit	Windows 95 & 95 OSR2	Windows 98 & 98 SE	Windows 2000 Professional	Windows XP Professional 32-bit
2624 2626	B	ThinkPad 390	V1.0 R01-C3	Y ¹	N	N	N/A	Y	Y	N	Y	Y	Y	N	Y
2624 2626	B	ThinkPad 390E	R01-A7	Y ¹	Y	N	Y	Y	Y	N	Y	Y	Y	N	Y
2624 2626	C	ThinkPad 390X	ISB053WW	Y ¹	Y	N	Y	Y	Y	N	N	Y	Y	N	N
2635 2636	B	ThinkPad 380Z	IGET30WW	Y	Y	N	N/A	Y	Y	N	N	Y	Y	N	N
2609	C	ThinkPad 240Z	11ET09WW	Y ¹	Y	N	Y	Y	Y	Y	N	Y	Y	Y	N
2629	C	ThinkPad A20p	IVET55WW	Y ¹	Y	N	Y	Y	Y	Y	Y ⁹	Y	Y	Y	Y ⁹
	D	ThinkPad A20p	IVET55WW	Y ¹	Y	N	Y	Y ^{3,4}	Y ²	Y	Y ⁹	Y	Y	Y	Y ⁹
2628 2633	C	ThinkPad A20m	IWET48WW	Y ¹	Y	N	Y	Y	Y	Y	Y ⁹	Y	Y	Y	Y ⁹
	D	ThinkPad A20m	IWET48WW	Y ¹	Y	N	Y	Y ^{3,4}	Y ²	Y	Y ⁹	Y	Y	Y	Y ⁹
2628	C	ThinkPad A21e	KUET22WW	Y ¹	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y
2655	C	ThinkPad A21e	10ET23WW	Y ¹	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y
2655	C	ThinkPad A22e	10ET20WW	Y ¹	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y
	C	ThinkPad A22e	1BET12WW	Y ¹	Y	N	Y	Y	Y	Y	Y ⁹	Y	Y	Y	Y ⁹

Computer			Maintenance					Unattended Install ⁸				Clone Install			
Type	Docking Station	Model	Tested BIOS [Embedded Controller] Level ¹⁰	BIOS Update	CMOS Update	Password Update	Asset ID Support	Windows 98 & 98 Second Edition	Windows NT 4.0 Workstation (SP4-SP6A)	Windows 2000 Professional	Windows XP Professional 32-bit	Windows 95 & 95 OSR2	Windows 98 & 98 SE	Windows 2000 Professional	Windows XP Professional 32-bit
2628 2633	C	ThinkPad A21m	KXET20WW	Y ¹	Y	N	Y	Y	Y	Y	Y ⁹	Y	Y	Y	Y ⁹
	D	ThinkPad A21m	KXET20WW	Y ¹	Y	N	Y	Y ^{3,4}	Y ²	Y	Y ⁹	Y	Y	Y	Y ⁹
2629	C	ThinkPad A21p	KYET21WW	Y ¹	Y	N	Y	Y	Y	Y	Y ⁹	Y	Y	Y	Y ⁹
	D	ThinkPad A21p	KYET21WW	Y ¹	Y	N	Y	Y ^{3,4}	Y ²	Y	Y ⁹	Y	Y	Y	Y ⁹
2628 2633	C	ThinkPad A22m	KXET60WW	Y ¹	Y	N	Y	Y	Y	Y	Y ⁹	Y	Y	Y	Y ⁹
	D	ThinkPad A22m	KXET60WW	Y ¹	Y	N	Y	Y ^{3,4,6}	Y ²	Y	Y ⁹	Y	Y	Y	Y ⁹
2628	C	ThinkPad A22m	13ET11WW	Y ¹	Y	N	Y	Y	Y	Y	Y ⁹	Y	Y	Y	Y ⁹
	D	ThinkPad A22m	13ET11WW	Y ¹	Y	N	Y	Y ^{3,4,6}	Y ²	Y	Y ⁹	Y	Y	Y	Y ⁹
2629	C	ThinkPad A22p	KYET59WW	Y ¹	Y	N	Y	Y	Y	Y	Y ⁹	Y	Y	Y	Y ⁹
	D	ThinkPad A22p	KYET59WW	Y ¹	Y	N	Y	Y ^{3,4,6}	Y ²	Y	Y ⁹	Y	Y	Y	Y ⁹
2647 2648 2649	C	ThinkPad T20	IYET37WW	Y ¹	Y	N	Y	Y	Y	Y	Y ⁹	Y	Y	Y	Y ⁹
	D	ThinkPad T20	IYET37WW	Y ¹	Y	N	Y	Y ^{3,4}	Y ²	Y	Y ⁹	Y	Y	Y	Y ⁹
2647 2648	C	ThinkPad T21	KZET16WW	Y ¹	Y	N	Y	Y	Y	Y	Y ⁹	Y	Y	Y	Y ⁹

Computer			Maintenance					Unattended Install ⁸				Clone Install			
Type	Docking Station	Model	Tested BIOS [Embedded Controller] Level ¹⁰	BIOS Update	CMOS Update	Password Update	Asset ID Support	Windows 98 & 98 Second Edition	Windows NT 4.0 Workstation (SP4-SP6A)	Windows 2000 Professional	Windows XP Professional 32-bit	Windows 95 & 95 OSR2	Windows 98 & 98 SE	Windows 2000 Professional	Windows XP Professional 32-bit
	D	ThinkPad T21	KZET16WW	Y ¹	Y	N	Y	Y ^{3,4}	Y ²	Y	Y ⁹	Y	Y	Y	Y ⁹
2647 2648	C	ThinkPad T22	16ET14WW	Y ¹	Y	N	Y	Y	Y	Y	Y ⁹	Y	Y	Y	Y ⁹
	D	ThinkPad T22	16ET14WW	Y ¹	Y	N	Y	Y ^{3,4}	Y ²	Y	Y ⁹	Y	Y	Y	Y ⁹
2627 2647 2648	C	ThinkPad T23	1AET37WW [1AHT15WW]	Y ¹	Y	N	Y	Y ⁶	Y	Y	Y	Y	Y	Y	Y
	D	ThinkPad T23	1AET37WW [1AHT15WW]	Y ¹	Y	N	Y	Y ⁶	Y ²	Y	Y	Y	Y	Y	Y
2660 2661 2662	C	ThinkPad X20	IZET56WW	Y ¹	Y	N	Y	Y	Y	Y	Y ⁹	Y	Y	Y	Y ⁹
	D	ThinkPad X20	IZET56WW	Y ¹	Y	N	Y	Y ^{3,4}	Y ²	Y	Y ⁹	Y	Y	Y	Y ⁹
2660 2662	C	ThinkPad X21	IZET86WW	Y ¹	Y	N	Y	Y	Y	Y	Y ⁹	Y	Y	Y	Y ⁹
	D	ThinkPad X21	IZET86WW	Y ¹	Y	N	Y	Y ^{3,4}	Y ²	Y	Y ⁹	Y	Y	Y	Y ⁹
2675	C	ThinkPad TransNote	KVET22WW	Y ¹	Y	N	Y	Y ⁵	N/A	Y	Y ⁹	N/A	Y ⁷	Y	Y ⁹
2639	C	ThinkPad s30	18ET44WW	Y ¹	N	N	Y	N/A	N/A	Y	N	N/A	N/A	Y	N
2662	C	ThinkPad X22	1DET54WW [1DHT43WW]	Y ¹	Y	N	Y	Y	Y	Y	Y	N/A	Y	Y	Y
	D	ThinkPad X22	1DET54WW [1DHT43WW]	Y ¹	Y	N	Y	Y ^{3,4}	Y ²	Y	Y	N/A	Y	Y	Y

Computer			Maintenance					Unattended Install ⁸				Clone Install			
Type	Docking Station	Model	Tested BIOS [Embedded Controller] Level ¹⁰	BIOS Update	CMOS Update	Pass-word Update	Asset ID Support	Windows 98 & 98 Second Edition	Windows NT 4.0 Workstation (SP4-SP6A)	Windows 2000 Professional	Windows XP Professional 32-bit	Windows 95 & 95 OSR2	Windows 98 & 98 SE	Windows 2000 Professional	Windows XP Professional 32-bit
2660 2662	C	ThinkPad X23	1DET59WW	Y ¹	Y	N	Y	Y	Y	Y	Y	N/A	Y	Y	Y
2652 2654	C	ThinkPad A30	1EET49WW [1EHT14WW]	Y ¹	Y ¹¹	N	Y	Y	Y	Y	Y	N/A	Y	Y	Y
	D	ThinkPad A30	1EET49WW [1EHT14WW]	Y ¹	Y ¹¹	N	Y	Y ^{3,4}	Y ²	Y	Y	N/A	Y	Y	Y
2653	C	ThinkPad A30p	1EET49WW [1EHT14WW]	Y ¹	Y ¹¹	N	Y	Y	Y	Y	Y	N/A	Y	Y	Y
	D	ThinkPad A30p	1EET49WW [1EHT14WW]	Y ¹	Y ¹¹	N	Y	Y ^{3,4}	Y ²	Y	Y	N/A	Y	Y	Y
*2652 2654	C	ThinkPad A30	1GET28WW	Y ¹	Y ¹¹	N	Y	Y	Y	Y	Y	N/A	Y	Y	Y
*2653	C	ThinkPad A31p	1GET26WW	Y ¹	Y	N	Y	Y ^{3,4}	Y	Y	Y	N/A	Y	Y	Y
2656 2657	C	ThinkPad R30	1CETD4WW	Y ¹	Y	N	Y	Y ⁵	Y	Y	Y ⁹	N/A	Y	Y	N
*2659 2658 2677	C	ThinkPad R32	1MET35WW	Y ¹	Y	N	Y	N	Y	Y	Y ⁹	N/A	Y	Y	Y
*2656 2657 2676	C	ThinkPad R31	1FET59WW	Y ¹	Y	N	Y	Y	Y	Y	N	N/A	Y	Y	Y
*2656	C	ThinkPad R31	1FETB4WW	Y ¹	Y	N	Y	N	Y	Y	N	N/A	Y	Y	Y
2639	C	ThinkPad S30	18ET78WW	Y ¹	N/A	N	Y	N/A	N/A	Y	N	N/A	N/A	Y	N

Computer			Maintenance					Unattended Install ⁸				Clone Install			
Type	Docking Station	Model	Tested BIOS [Embedded Controller] Level ¹⁰	BIOS Update	CMOS Update	Pass-word Update	Asset ID Support	Windows 98 & 98 Second Edition	Windows NT 4.0 Workstation (SP4-SP6A)	Windows 2000 Professional	Windows XP Professional 32-bit	Windows 95 & 95 OSR2	Windows 98 & 98 SE	Windows 2000 Professional	Windows XP Professional 32-bit
2366 2367	C	ThinkPad T30	1IET29WW	Y ¹	Y ¹¹	N	Y	N	Y	Y	Y ⁹	N/A	Y	Y	Y
2662 2660	C	ThinkPad X24	1DET63WW	Y ¹	Y	N	Y	N	Y	Y	Y ⁹	N/A	Y	Y	Y

Docking Stations:

- A. SelectaDock III - PC Card Enabler with advanced Etherjet, supports PXE 1.0 LSA 0.99n
- B. Port Replicator with Advanced Etherjet, supports PXE 1.0 LSA 0.99n
- C. None (built-in NIC)
- D. ThinkPad Dock

Notes:

Y = Supported

N = Not Supported

N/A = Not Applicable

1. System must be powered off after Flash over LAN.
2. Copy the file HAL.DLL from Windows NT 4.0 Service Pack 6 or higher to the \RDM\CLNTFILE\NT4WKS\ENG directory before performing the unattended installation of Windows NT 4.0 with PCI network adapters.
3. Advanced Power Management only. Unattended installation of Windows 98 Second Edition with the IBM ThinkPad Dock will result in this message: "This wizard searches for new drivers for Generic USB Hub. A device driver is a software program that makes a hardware device work." The following workaround is for Windows 98 Second Edition:
Remove the following lines from the file "piixusb.inf"

```
%PCI\VEN_8086&DEV_7112.DeviceDesc%=UniversalHCD.Dev,PCI\VEN_8086&DEV_7112 <- [Intel.Section] section
PCI\VEN_8086&DEV_7112.DeviceDesc="Intel(r) 82371AB/EB/MB PCI to USB Universal Host Controller" <- [Strings] section
```
4. Unattended installation of Windows 98 with the IBM ThinkPad Dock will result in this message: "This wizard searches for new drivers for Generic USB Hub. A device driver is a software program that makes a hardware device work." To avoid this problem, follow these steps:
 - a) Create a Windows 98 profile in RDM.
 - b) Use the EXTRACT command to copy the file "usb.inf" from the file "precopy2.cab". Both "extract.exe" and "precopy2.cab" are located in the Windows 98 image directory \RDM\CLNTFILE\W98\ENG\
At the command line type:

```
extract precopy2.cab usb.inf /L c:\temp
```

- c) Change the name of the file "usb.inf" to a new file name (for example, "templ.inf").
 - d) Add the following lines to each of these sections in the file "templ.inf":


```
[GenericHub.Section]
%USB\VID_03EB&PID_3312.DeviceDesc%=StandardHub.Dev,USB\VID_03EB&PID_3312

[Strings]
%USB\VID_03EB&PID_3312.DeviceDesc%="Generic USB Hub"
```
 - e) Copy the file "templ.inf" into the Windows 98 image directory \RDM\CLNTFILE\W98\ENG\
 - f) Modify the file "custom.inf" in the Windows 98 directory to include the new file "templ.inf" by adding the following information to "custom.inf":


```
[PreCopyFiles]
templ.inf
[InfCopyFiles]
templ.inf
```
5. ThinkPad TransNote supports only Windows 98 SE and ThinkPad R30 supports both Windows 98 and 98 SE in ACPI. When installing Windows 98 SE, copy the file ACPI.SYS from the installation CD to \RDM\CLNTFILE\W98ED2\ENG.
 6. When performing the unattended installation of Windows 98 or 98 Second Edition with PCI adapter/ThinkPad Dock, CMD IDE Controller Driver is needed. To install CMD IDE Controller Driver with Windows 98 or 98 Second, follow these steps:
 - a) Customize the Inf file by using the infirst.exe.
 - b) Copy the customized Inf file and driver files to RDM server (\RDM\clntfile\)
 - c) Add following line into [version] section
Layoutfile = layout.inf, layout1.inf, layout2.inf
 - d) Delete the entire [Source Disks Files] and [Source Disks Names] sections.
 7. The clone install works for Windows 98 Second Edition only.
 8. For all ThinkPad systems, in order to do an unattended install, you must disable the Power On password option.
 9. Before performing the installation of Windows XP Professional, you need to disable "Intel® SpeedStep technology. To disable Intel SpeedStep technology, you can use RDM to update the CMOS settings.
 10. The Embedded Controller is not available on all ThinkPad systems. If available, the tested Embedded Controller level is given between square brackets.
 11. If target system is locked by a Supervisor password, you have to input the target system's supervisor password into BIOS admin Password field on RDM maintenance screen for the A30, T30, and R32 series.

2.4. IBM Point of Sale Computers

Computer		Maintenance					Unattended Install				Clone Install			
Type	Model	Tested BIOS Level	BIOS Update	CMOS Update	Password Update	Asset ID Support	Windows 98 & 98 Second Edition	Windows NT 4.0 Workstation (SP4-SP6A)	Windows 2000 Professional	Windows XP Professional 32-bit	Windows 95 & 95 OSR2	Windows 98 & 98 Second Edition	Windows 2000 Professional	Windows XP Professional 32-bit
SurePOS 4694 ²	206 246	E13 ³	Y	N	N/A	N/A	Y	Y	Y	N	N	Y	Y	N
SurePOS 4694 ²	245	C20 ³	Y	N/T	N/A	N/T	Y	Y	Y	N	Y	Y	Y	N
*SurePOS 520	4840-521	X3KT140	Y	N	N/A	N/A	Y	Y	Y	N	N	Y	Y	N
SurePOS 540	4840-541	X3KT140	Y	N	N/A	N/A	Y	Y	Y	N	N	Y	Y	N
SurePOS 560	4840-561	X3KT140	Y	N	N/A	N/A	Y	Y	Y	N	N	Y	Y	N
SurePOS 730	4800-102 *4800-142	R1KT131	N	N	N/A	N/A	Y	Y	Y	N	N	Y	Y	N
SurePOS 750	*4800-202 4800-242	ROKT152	N	N	N/A	N/A	Y	Y	Y	N	N	Y	Y	N

Notes:

Y = Supported

N = Not Supported

N/A = Not Applicable

N/T = Not Tested

* Models tested in the RDM lab

1. To update the BIOS, follow these steps:
2. Wake on LAN is an optional feature. If you do not have this installed, you will have to power on this machine manually before performing an RDM operation on it.
3. The BIOS diskette for the SurePOS 4694 contains updates for several models, and the diskette volume label does not correspond to the BIOS level reported by the system. Therefore, after reading in the BIOS diskette into RDM, you should rename the directory under <drive>:\RDM\CLNTFILE\BIOS from the diskette volume label name to the BIOS level name, i.e. "E13" or "C20".

3. Supported Network Adapters

RDM will automatically scan, configure, and recognize supported network cards. The following information is a comprehensive listing of all network cards supported by RDM 3.1. If you are using unsupported cards, you must make the necessary entries into NETWORK.LST, add driver files to RDM's default directory, and create or modify some RDM control files. For more information, see the User's Guide.

Use the following links for flash updates and other networking information:

- ▶ [IBM Auto Wake ISA Token-Ring Adapter flash](#). This is required for IntelliStation M Pro -- 6898
- ▶ [IBM PCI Wake On LAN Token-Ring Adapter flash](#). This is required to support a DHCP boot environment
- ▶ For IBM adapters, please refer to either the IBM Networking Hardware Division web page at <http://www.networking.ibm.com/support/>
- ▶ For Intel adapters, please visit <http://www.intel.com>

IMPORTANT: For IBM 2210 Nways Multiprotocol Router and Multiprotocol Routing Services (MRS V2.2), a flash update is required for RDM 3.1. Use flash level EPTF04 or higher. Please visit <http://www.networking.ibm.com/support/code.nsf/2210oper?OpenView>

3.1. IBM Ethernet Adapters

Part Number	FRU Number	Name	Remoteboot Protocol		WOL
			PXE 2.0	PXE 1.0	
34L4601 (3DES US), 34L4610	34L4609	IBM Netfinity 10/100 Ethernet Security Adapter	Y	N	N
34L4701 (DES non-US), 34L4710	34L4709	IBM Netfinity 10/100 Ethernet Security Adapter	Y	N	N
34L1501, 34L1510	34L1509	IBM Netfinity 10/100 Ethernet Adapter	Y	N	N
34L0901, 34L0910	30L7583	IBM Netfinity 10/100 Ethernet Adapter	Y	N	N
34L4401 (3DES US), 34L4410	34L4409	IBM 10/100 EtherJet Secure Management Adapter	Y	N	Y
34L4501 (DES non-US), 34L4510	34L4509	IBM 10/100 EtherJet Secure Management Adapter	Y	N	Y
34L1101, 34L1110	34L1109	IBM 10/100 EtherJet PCI Adapter with Alert on LAN 2	Y	N	Y
34L1201, 34L1210	34L1209	IBM 10/100 EtherJet PCI Management Adapter	Y	Y	Y
34L0201, 34L0210	30L5929	IBM 10/100 EtherJet PCI Adapter with Wake on LAN ¹	Y	Y	Y
08L2565, 08L2567	08L2566	IBM 10/100 EtherJet PCI Adapter with Wake on LAN ¹	Y	Y	Y
85H9921, 85H9930	85H9928	IBM 10/100 EtherJet PCI Adapter with Wake on LAN ¹	Y	Y	Y
06P3601	06P3609	IBM 10/100 Ethernet Server Adapter	Y	Y	Y

Part Number	FRU Number	Name	Remoteboot Protocol		WOL
			PXE 2.0	PXE 1.0	
09N9901	09N9901	10/100 EtherLink Server Adapter by ²	Y	N	N
09N3609	09N3609	10/100 EtherLink PCI Management Adapter by 3Com ²	Y	N	N

Notes:

Y = Supported

N = Not Supported

N/A = Not Applicable

- Should you want to utilize the IBM 10/100 EtherJet PCI Adapter with Wake on LAN in Docking Stations, then you must re-flash the adapter with the latest ETPFLSH2.EXE V3.10 boot disk. This updated microcode can be obtained from the World Wide Web at <http://www.networking.ibm.com/support> and is located under 'IBM 10/100 Etherjet PCI Management Adapter'. We recommend that you update your ThinkPad systems to the latest BIOS level with microcode obtained from the ETPFLSH2.EXE V3.10 page.
- Intermittent slow performance with this adapter

3.2. IBM Mini PCI Adapters

Part Number	FRU Number	Name	PXE	Boot Agent	WOL
Ships with system	N/A	Special miniPCI Ethernet for TP 390X	PXE 2.0 build 071	Intel Boot Agent V2.6 (build 004)	Y
10L1407	10L1423	IBM 10/100 EtherJet miniPCI adapter	PXE 2.0 build 083	Intel Boot Agent V4.0.17	Y
08K3124	08K3125	IBM 10/100 EtherJet miniPCI adapter with 56K modem (Intel current card)	PXE 2.0 build 083	Intel Boot Agent V4.0.17	Y
09N9774	00N8117	IBM 10/100 EtherJet miniPCI adapter with 56K modem by 3Com	PXE V2.41	Managed PC Boot Agent V4.32	Y
Ships with system	08K3303	MiniPCI Combo Card for TP 240Z	PXE 2.0 build 078	Intel Boot Agent V3.0.03	Y
06P3801	06P3809	Intel PRO/100 SP Mobile Combo adapter	PXE 2.0 build 083	Intel Boot Agent V4.0.17	Y
26P8039	26P8069	Ethernet Daughter Card	PXE 2.1 build 083	Intel Boot Agent V4.0.18	Y
Ships with system	26P8100	IEEE 1394/LAN Combo Card	PXE 2.0 build 078	Intel Boot Agent V3.0.03	Y
Ships with system	N/A	On board Ethernet Adapter for ThinkPad R30	PXE 2.1 Build 0.83	Intel Boot Agent V4.0.18	Y

Notes:

Y = Supported

N = Not Supported

3.3. Intel Ethernet Adapters

Part Number	FRU Number	Name	Remoteboot Protocol		WOL
			PXE 2.0	PXE 1.0	
22P6801		Intel Pro/1000 XT	Y		Y
22P4501	22P4509	Intel PRO/100S Desktop Adapter	Y	Y	Y
22P4701	22P4709	Intel PRO/100S Low Profile Desktop Adapter	Y	Y	Y
19K5543		Intel PRO/100 VE Desktop Connection	Y	N	Y
19K5282		Intel PRO/100 VE Desktop Connection (riser)	Y	N	Y
PILA8460B		Intel PRO/100+ PCI Management Adapter	Y	N	Y

Notes:

Y = Supported

N = Not Supported

3.4. IBM Token Ring Adapters

Part Number	FRU Number	Name	Remoteboot Protocol		WOL
			PXE 1.0	PXE 2.0	
34L0501, 34L0510	30L5980	IBM High-Speed 100/16/4 Token-Ring PCI Adapter	Y	Y	Y
34L0701, 34L0710, 31L3266 Jap	30L6817	IBM 16/4 Token-Ring PCI Adapter 2 with Wake on LAN	Y	Y	Y
34L0601, 34L0610	30L6829	IBM 16/4 Token-Ring PCI Adapter 2	Y	Y	N
86H1880, 86H1886, 86H1887, 08L3340, 08L3294	08L3335	IBM PCI Wake on LAN Token-Ring Adapter	Y	Y	Y
41H8900, 75H9800, 75H9802, 85H3410, 86H1897, 85H3409, 85H3412, 85H3414, 75H9806	41H8874	IBM PCI Token-Ring Adapter	N	N	N
55H6760, 55H6815, 55H6807, 55H6783, 55H6818, 55H6824, 55H6828	55H6810	IBM Auto Wake Token Ring ISA Adapter ¹	N	N	Y
34L5001, 34L5010	34L5009	IBM 16/4 Token-Ring PCI Management Adapter	Y	Y	Y
34L5201, 34L5210	34L5209	IBM High-Speed 100/16/4 Token-Ring PCI Management Adapter	Y	Y	Y
07P2701, 07P2710	07P2709	IBM 16/4 Token-Ring Low Profile PCI Management Adapter	Y	Y	Y

Notes:

Y = Supported

N = Not Supported

1. If you are using an ISA network adapter card and you are going to use Windows 95, Windows 95 OSR2 or Windows 98 with RDM you must set the BIOS for Plug 'n' Play. To access the Configuration/Setup Utility program (BIOS settings) on many IBM computers, press **F1** while the computer is starting up. From **Advanced Setup** select **Plug and Play control** and enable **Plug and Play OS**. It is recommended that you install supported PCI network adapter cards in the uppermost available expansion slot and ISA network adapter cards in the lowermost available expansion slot.

4. IBM RAID Adapters

Part Number	FRU Number	Name
37L6889	37L6892	ServeRAID – 4H
37L6080	37L7258	ServeRAID – 4M
37L6091	09N9540	ServeRAID – 4L
06P5740	06P5741	ServeRaid- 4Mx
06P5736	06P5737	ServeRaid- 4Lx

5. SCSI Adapters

RDM 3.1 does not support SCSI adapters in Windows 95. In most other cases, RDM 3.1 automatically supports SCSI cards. Specifically, on Windows 98, Windows 98 Second Edition, and Windows 2000 RDM supports the cards compatible with the Operating System. For Windows NT 4.0, RDM supports the following cards:

- ▶ Adaptec AHA290x/291x/294x/394x/4944/AIC78xx PCI SCSI Controller
- ▶ Adaptec AHA-294xU2/295xU2/395xU2/AIC-789x PCI SCSI Controller
- ▶ Adaptec AIC-7892, AIC-7899, AHA-3960D Ultra160/m

You can add support for additional SCSI adapters in Windows NT 4.0 by modifying `SCSI.LST`. For more information, see the User's Guide.

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