

NEC Computer Systems Division

Integration & Test

Test Project Summary

Versa 2700 Series

(RT6)

Model 1,2,3,4

AMI System BIOS V 220000

Neomagic Video BIOS V 1.05

FCS 08/08/97

March 3, 1998

Revision 3

Updated the Test Results (PPR's) Section

Added information on WFWG Release v1.00.00

Added information for RT6 Educational Release v1.00.00

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September 9, 1997

Test Project Summary

Versa 2700 Series

(RT6)

Project Dates: 3/97 to 9/97

Product Identification

Official Name: Versa 2700

Internal Name: RT6

Overview

The NECTECH Integration and Test Department tested the Versa 2700 Series (RT6) to verify compatibility and functionality. Testing focused on these major areas:

Batteries, NiMH & Li-ION Controls LCD Displays

Floppy Disk Drive AC Adapter Keyboard

Memory GlidePoint Status Indicators

Hard Disks BIOS Input/Output Ports

Modem 16x CD-ROM Port Bar

Problems and any workarounds are documented in the Test Results section.

Hardware

Model Model Code*_1 SVGA Panel Processor Memory HDD CDROM Modem Battery

2730M PC-681x-41803 DSTN 133MMX 16MB 1.44 GB 16X 56K NiMH

2730MT PC-681x-91803 TFT 133MMX 16MB 1.44 GB 16X 56K NiMH

2750MT PC-683x-91853 TFT 150MMX 16MB 2.1 GB 16X None LiION

2760MT PC-685x-91853 TFT 166MMX 16MB 2.1 GB 16X 56K LiION

Note 2

*Notes

1. Where "x" is the country code (i.e.- PC-681x-41803)

0 = US

1 = Australia

2 = Europe

3 = Asia

2. Two additional configurations were tested. These configurations are :

SVGA Panel Processor Memory HDD CDROM Modem Battery

DSTN 150MMX 16MB 2.1 GB 16X 56K LiION

DSTN 166MMX 16MB 2.1 GB 16X 56K LiION

Color 12.1 SVGA DSTN Color LCD Panel 800x600

Color 12.1 SVGA TFT Color LCD Panel 800x600

16MB RAM

VersaGlide Pad Pointer Control

44. GB and 2.1 GB 12.7mm Toshiba and Hitachi Hard Disk Drives

Askey 56K Modem

Lithium Ion Battery Standard in Model 3 and 4; available as an option for all

Nickel Metal Hydride Battery Standard in Model 1 and 2

TEAC CD-ROM (16X)

86-key ALPS keyboard

1.44MB Floppy disk

AC Adapter

Auto/Air adapter

Port Bar

Firmware

BIOS v 220000

VIDEO BIOS v 1.05.00

MODEM v 620

APM micro-processor v 110 and 111

(denoted as uP in the PPR section)

RT6-EP Educational SKU

This page is for the RT6-EP Educational SKU.

Model's Tested

Model SVGA Panel Processor Memory HDD CDROM Modem Battery

2730M DSTN 133MMX 16/32MB 2.1 GB 16X 56K NiMH

2730MT TFT 133MMX 16/32MB 2.1 GB 16X 56K NiMH

2760MT TFT 166MMX 16/32MB 2.1 GB 16X 56K LiION

Firmware

BIOS v 210000

VIDEO BIOS v 1.03.00

MODEM v 620

APM micro-processor v 110 and v111

Software

Software released for the Versa 2700:

Windows 95 Hot Load with applications v1.00.01

Window 95 Hot Load without applications v1.00.01 (note applications and games not included below).

Windows NT Hot Load v1.00.01

WFWG Hot Load v1.00.00

Windows 95 Hot Load v 1.00.00

Software Revision Notes

Windows 95 OSR 2.0

OSR 2.1 Supplement OSR 2.1 v12.14

ALPS GlidePoint mouse drivers for DOS v9.10.014

AMI HDPREP software and NEC Screen v1.6 / v1.00.08

Direct X drivers with MMX for W'95 v3a

IRINFO v1.00.01

FIR (Fast IR) drivers v2.0 / 2.00.01

LapLink for W'95 v7.0

McAfee VirusScan for W'95 v2.06/9706

McAfee WebScan for W'95 v2.0

Mediamatics MMX MPEG for W'95 v2.03i

Microsoft Arcade for Windows 95 v1.0a Not on Win95 Hot Load without applications

Microsoft Best of Entertainment v1.0 Not on Win95 Hot Load without applications

Microsoft Encarta 97 AS-968 Not on Win95 Hot Load without applications

Microsoft Internet Explorer v3.02

Microsoft Greetings Workshop v1.0 Not on Win95 Hot Load without applications

Microsoft HPC Explorer v1.0 Not on Win95 Hot Load without applications

Microsoft LAN Desk Client Manager v3.0

Microsoft Money for W'95 v5.0 Not on Win95 Hot Load without applications

Microsoft Schedule+ v7.0a Not on Win95 Hot Load without applications

Microsoft Works for W'95 v4.0a Not on Win95 Hot Load without applications

Microsoft Word 97 for W'95 v97b Not on Win95 Hot Load without applications

Mixman AS-959 Not on Win95 Hot Load without applications

NEC Customize Utility v1.00.00

NEC Versa 2700 Online Documentation v1.00.01

NEC Versa 2700 Options catalog v1.00.07

Neomagic Video drivers for W'95 v6.05Q

OAG Flight Disk Jun 1 - Jul 14, 1997 v4.06

System Meter v2.00

Teac CD-ROM drivers DOS/W95 v97.3.25

Using Windows 95 v117-12-1

Venus Lucent Modem INF files 06-27-97

Yamaha Sound Driver for W'95 v4.03.23.24

You Don't Know Jack - Censored v1.00 Not on Win95 Hot Load without applications

Wallpaper, Versa Bitmap Image v2.00.00

Differences from v1.00.00 to v1.00.01

Added Quicklink modem/fax software v 3.1.235E 9 (resolves PPR's 332 and 329)

Added CBSS.vxd v QFE 403 (see PPR 66)

Added SASOUND.inf (resolves PPR's 180,358)

PPR's resolved in Hot Load v 1.00.01(see PPR section below): 180, 332, 329, 358

Software released for the Versa 2700 ES Pro:

Windows 95 ES Pro Hotload v 1.00.00

Software Revision

Windows 95 OSR2 Base v1.00.00

OSR 2.1 Supplemental v1214 (06/04/97)

Microsoft Intellipoint v2.1

Direct X drivers with MMx support v3a

Microsoft Internet Explorer 3.02 v4.70.1300

Microsoft Encarta 97 (AS-968) 11/30/96 v1997

Microsoft LAN Desk Client Manager v3.0

NEC Versa 2700 Options catalog v1.0.7

Mixman 3-Mix (AS-959) 5/7/97 v2.10

Wallpaper, Versa Bitmap Image v2.00.00

NEC Customize Utility v1.00.00

Yamaha Sound Driver for W'95 v4.03.2324

System Meter v2.00

NEC Versa 2700 Online Documentation v1.00.01

Neomagic Video drivers for W'95 v6.07Q

Return of Arcade (AS-977) v1.0

Venus Lucent Modem INF files v06-26-97

LapLink for W'95 v7.0

OAG Flight Disk AUG 1/97 - vJul 14/97

Using Windows 95 v117-12-1

Teac CD-ROM (CD-316E) drivers v97.3.25

IRINFO v1.02.00

Mediamatics MMx Mpeg for W'95 v2.03i

McAfee WebScan for W'95 v2.0

FIR (Fast IR) drivers v2.0/2.00.01

AMI HDPREP v1.6/v1.00.10

Quicklink Fax v3.1

New PCCARD.VXD v4.00.1116

McAfee Virusscan v3.1.0r

Microsoft Office Pro for Win 95 v1/13/97

Publisher 97 for Win 95 v4.0

MS Money for Win95 v5.0

MS Bookshelf v1996-97

Games Sampler ODK2 Kit v2.0

Windows NT Hot Load v 1.00.01

Software Revision

Microsoft Windows NT v4.0 service pack 3

Microsoft Internet Explorer for Windows NT v3.02

NEC System Meter for Windows NT v1.5

SystemSoft Power Profiler v2.10.03 for NT

SystemSoft CardWizard v2.00.06 for NT

NMG video drivers v3.15Q

Xing MPEG player v3.12

RT6 Intel LANdesk DMI client for Windows NT v1.10.00

McAfee VirusScan for NT v3.0.3

Yamaha sound drivers v3.09

NEC Online Documentation for Versa 2700 v1.00.01

NEC Options Catalog v1.00.07

WFWG Hot Load v 1.00.00

Software Revision

DOS 6.22 v6.22

Windows for Workgroups 3.11 v3.11

ALPS GlidePoint mouse drivers for DOS/WFW v9.10.014

Card Wizard for WFWG v5.30.02

Card Wizard Updates RT6 PCMCIA v 9/4/97

AMI HDPREPEZ and NEC Screen) v1.6/1.00.10

IrDA Communications, Driver, Monitor v3.0 (3.1a)

LapLink for WFW v6.0D

McAfee VirusScan W'95 v2.5.2/9704

McAfee WebScan for W'95 (AS-699) v2.00.00

Microsoft Video for Windows v1.1e

Microsoft OLE 2.03 System Files v2.03

MSGINFO (with IR Alert icon) for WFW v1.00.02

Neomagic Video drivers for WFW v5.03

NEC Versa 2700 WFW Online Documentation v1.00.00

NEC Versa 2700 Options catalog v1.0.7

QuickLink modem/fax software v3.05b

System Meter v2.01

Teac 16x CD-ROM drivers v1.27Q

Yamaha Sound Driver for WFW v4.02.2322

Yamaha Sound Application for WFW v1.32e

Wallpaper, Versa Bitmap Image v2.00.00

Xing Mpeg software for WFW v1.4

CD system files v3.11

Advanced Power Management Files v3.11

System Tests

Function and feature testing for the Versa 2700 series were performed on the following components:

Input/Output PCMCIA Battery/AC Adapter

Controls Power Management Memory

Status Indicators Hard Disks BIOS

LCD Display Modem GlidePoint Mouse

External PS/2 Mouse Internal Floppy Internal/External Keyboards

DC Adapter 16x CD-ROM Port Bar

Various BIOS and NEC software releases were tested. Consult the Excel spreadsheets attached for functional test results. The updated accepted System BIOS was v220000.

Test Results

This section lists the anomalies and/or limitations discovered by testing each area of system functionality. Each anomaly listed below includes a description of the problem as well as any known workaround for the problem. For all problems not covered by this Test Summary, please consult with the proper Track Database file found on the I&T Shared Directories (I and T Shared Files\public\track\laptop\RT6\RT6.BTS).

Additional testing and qualification was performed by the National Software Testing Laboratory (NSTL). The results of this testing are included in this report.

This report will also be posted to Lotus Notes, I&T Test and Certification Summaries in the RT6 section.

BIOS

PPR 13

Synopsis:

General Protection faults are reported by Fury 3 and Pitfall (VXD NTKERN) when used with the Top Gun Thrustmaster USB Joystick.

Workaround:

The joystick cannot be calibrated under Win95 Control Panel before starting the game. Once the game is started, selecting flight control options from the game menu and calibrating the joystick in the game allows the joystick to be used with the game.

PPR 156

Synopsis:

After a Resume from a Video Time Out, the Battery Meter was colored green and red instead of blue and gray.

Workaround:

None

PPR 157

Synopsis:

The battery level dropped from 17% to 8% skipping levels in between.

Workaround:

None. This is a limitation of the battery.

PPR 176

Synopsis:

A USB keyboard and/or USB mouse does not wake system from Standby/Suspend .

Workaround:

The recommendation in the Readme file states to disable all power management when using USB devices.

PPR 179

Synopsis:

With PM disabled under Win95, resuming from manual Suspend results in the next .wav file being heavily distorted.

Workaround:

This only happens to the first .WAV file played. If a second .WAV file is played, it is no longer distorted.

PPR 203

Synopsis:

The DELL PS/2 Keyboard is not functional after a Resume from Suspend.

Workaround:

This keyboard is not supported. The AT+T and Compaq PS/2 keyboards tested ok.

PPR 205

Synopsis:

The Touchstone 720 numeric keypad was not recognized by the system.

Workaround:

NECCSD recommends using the newer Touchstone 3 Auxiliary keypad.

PPR 222

Synopsis:

Upon resuming from a Suspend to RAM on a DSTN unit with either Windows NT or Windows 95, the screen contrast must be adjusted.

Workaround:

Upon resuming from the Suspend, the user may have to manually adjust the contrast level for better viewing.

PPR 297

Synopsis:

The key combinations of <FN + Enter> and <FN + Windows Keys> do not simulate their respective keys.

Workaround:

This did successfully pass using the uP 110.

PPR 299

Synopsis:

Eraser Turnabout hangs the system during the Disk 2 request.

Workaround:

None.

PPR 311

Synopsis:

Qualitas MAX 8.0 Maximize caused an Application Integrity Violation error during ROMSRCH.

Workaround:

When prompted by the application to execute ROMSRCH during installation, press ESC to avoid running that feature.

PPR 322

Synopsis:

A Fujitsu USB keyboard does not work after a software Suspend, and you will receive a Fatal Exception Error after a hardware Suspend.

Workaround:

The recommendation in the Readme file states to disable all power management when using USB devices.

PPR 325

Synopsis:

Some keyboard functionality is not available with the Fujitsu USB external keyboard.

Workaround:

None. This is a limitation of the USB device.

PPR 335

Synopsis:

Installing a Xircom Credit Card Ethernet + Modem hangs system.

Workaround:

To install properly, disable the internal modem in the Win95 Device Manager. This will free IRQ 3 and will allow the Xircom to be installed.

PPR 341

Synopsis:

The Socket Communication PCMCIA Serial Adapter SL0700 is not PnP compatible.

Workaround:

Removing the card will bring the system back. The user can disable the communications Port in Device Manager. This card is old and it is unlikely that customers will use it.

PPR 374

Synopsis:

If a manual standby (Fn+F4) is performed with a communications application open, Hyper-terminal reports with the message; "Your computer cannot be Suspended."

Workaround:

This is working as specified. The communications link will be lost if the system is Suspended.

PPR 383

Synopsis:

Pages 4-41 and 4-42 of the User's guide describe the Flash protection switch in the wrong position for factory default.

Workaround:

The factory defaults are:

SW 1 is for password override, password override is disabled by default, switch is toward front of unit.

SW 2 is for flash protection, flash protection is enabled by default, switch is toward front of unit .

PPR 396

Synopsis:

The system can experience intermittent hanging while shutting down Windows 95.

Workaround:

The user can cold boot the system, which will allow it to restart normally.

PPR 399

Synopsis:

The System hangs intermittently on reboot with a network card in the PCMCIA slot.

Workaround:

This is fixed with uP firmware 111. Approximately 200 systems have shipped with uP firmware 110. To view the BIOS and uP revisions, use advanced CMOS setup to set the initial display mode to "BIOS". A text string is displayed that lists the BIOS and uP firmware revision during post.

Example:

NEC Versa 2700 BIOS version 160000 - 110, 8/03/97 (denotes BIOS v160000 and uP v 110).

PPR 403

Synopsis:

BIOS invoked STANDBY draws more power than a manually invoked STANDBY (Fn+F4).

Workaround:

Users should use manual STANDBY <FN><F4> for maximum power savings.

PPR 407

Synopsis:

The user cannot manually Suspend an NT unit with the Suspend Button while playing a music CD.

Workaround:

The unit can be Suspended after the music CD is stopped.

PPR 410

Synopsis:

Benchmark performance results show a high variance between tests. The results can vary by 10 to 20%.

Workaround:

None

PPR 416

Synopsis:

The Logitech Cordless Mouse man fails to work in Windows NT after a Suspend to RAM.

Workaround:

The user should not Suspend the unit while using this device.

PPR 419

Synopsis:

Hyper-terminal does not Resume on Ring after a manual or software Suspend.

Workaround:

The user should disable power management when using the modem. This PPR is fixed in

BIOS v200000.

PPR 435

Synopsis:

The Windows NT Error Log will report a Serial Error on Com2 in the Event Viewer after each boot.

Workaround:

If the modem and COM2 are deleted by the user and then the computer is rebooted, everything will be redetected and an informational event will be logged at each boot stating that:

"User configuration data for parameter COM2 overriding firmware configuration data".

PPR 452

Synopsis:

The user cannot free IRQ 3 (modem) in the WFWG configuration. This option is not available via BIOS setup or software.

IRQ 3 can be made available in the Win95 configuration by disabling the modem in Device Manager.

Workaround:

The user can physically remove the internal modem.

PPR 529

Synopsis:

The user is not able to hot swap a PS/2 style mouse.

Workaround:

The external mouse will work if it is cold inserted.

PPR 530

Synopsis:

If both a User and Supervisor password have been defined on a system, when resuming from a Suspend, the system will only recognize the password that had been entered when the system was originally booted.

Workaround:

None.

PPR 531

Synopsis:

Intermittently, when the Silent Boot option is set in BIOS, the system will display the incorrect uP version.

Workaround:

The user can change the BIOS setting for 'Initial Display mode' back to "BIOS" to address this.

PPR 532

Synopsis:

A delay (from 5 to 9 minutes) for the Auto Suspend option does not comply with the preset values contains in the SETUP utility within BIOS.

Workaround:

None, the system will still properly suspend, thereby preserving the user's data.

DMI

PPR 135

Synopsis:

LANDesk Client Manager v 3.0 incorrectly reports viable memory upgrade options.

Workaround:

This will be fixed in LANDesk Client Manager v3.1.

PPR 139

Synopsis:

LANDesk Client Manager v 3.0 incorrectly reports operating system version.

Workaround:

This will be fixed in LANDesk Client Manager v3.1.

PPR 182

Synopsis:

LANDesk Client Manager v 3.0 reports CPU speed incorrectly as 85 MHz.

Workaround:

This is a limitation of LANDesk. It is not indicative of a system problem.

Documentation

PPR 170

Synopsis:

Option Catalog: The Port Bar under "Dock It" erroneously calls out a midi port on the back of the Port Bar.

Workaround:

None

PPR 342

Synopsis:

This is a correction to the Online Documentation.

Workaround:

In the section Getting Started/Getting to know Your NEC Versa/Around the front of the system:

- Keyboard Panel. The Built-in microphone is on left front edge of the keyboard panel. The Picture shows it on the left side of the keyboard panel.

Hardware

PPR 66

Synopsis:

The system does not give audio dial signals during PCMCIA modem dialing.

Workaround:

A hardware and software fix are required. The hardware fix will be phased in. Approximately 920 systems shipped without the hardware fix.

The Driver cbss.vxd is also needed and is installed on Win 95 Hot Load 1.00.01.

PPR 300

Synopsis:

The Sandisk model SPD-5A PC Card does not function.

Workaround:

Model SDP-5A is not supported, use model SDP-5B instead.

PPR 313

Synopsis:

Multiple CPU errors are reported when running AMIDIAG 5.21B.

Workaround:

These errors are due to errors in the diagnostic software. They do not indicate problems with the Versa 2700.

PPR 347

Synopsis:

3 IBM 2GB HDD's exhibited format failures.

Workaround:

IBM HDD's are not supported at this time.

PPR 398

Synopsis:

One Lithium-Ion Battery failed during testing.

Workaround:

None. This occurred to only one battery.

PPR 404

Synopsis:

APlus/Win-Win version 7.1 reported a "Divide by 0" application error.

Workaround:

These errors are due to the diagnostic software. They do not indicate problems with the machine.

PPR 431

Synopsis:

The Lucent modem can be damaged if plugged into a digital phone line.

Workaround:

A warning sticker will be adhered to the modem jack and a Readme file will be included in the box stating that only analog phone lines must be used.

PPR 434

Synopsis:

Some Processor Daughter Card connectors have been loose causing random system problems.

Workaround:

The daughter card can be re-seated by a technician. The daughter card is not accessible to the user.

PPR 491

Synopsis:

An internal Lucent modem vE00 failed after being used for several days.

Workaround:

None, this is a Lucent Modem problem. The Modem firmware v620 is resetting the EEPROM defaults. Revision 1.1 of the Modem firmware will be released from Lucent to resolve this problem

Hot Load – WFWG

PPR 452

Synopsis:

IRQ 3 is used by the Modem and cannot be freed on a WFWG system. The Modem cannot be disabled via BIOS or software.

Workaround:

The Modem can be disabled through the operating system on either Win95 or WinNT. The user can physically remove the internal Modem from the machine to free IRQ 3.

PPR 467

Synopsis:

Windows for Workgroups v3.11 incorrectly reports free IRQ's as not available when installing network cards.

Workaround:

IRQ 10 and 11 are being reserved by CardWizard. The IRQ's be can be used during PC Card installation.

PPR 479

Synopsis:

The 3COM 3C589 PCMCIA network card will only work on IRQ 10. Card Wizard must be disabled.

Workaround:

The user can disable Card Wizard and then install the card.

The following lines in the config.sys file need an REM placed in front of them in order to REM out Card Wizard.

```
devicehigh=c:\cardwiz\cardxtnd.sys
```

```
devicehigh=c:\cardwiz\sscvti.sys/numada:1 /ada1skts:2
```

```
devicehigh=c:\cardwiz\cs.sys /poll:1
```

```
devicehigh=c:\cardwiz\csalloc.exe
```

```
devicehigh=c:\cardwiz\cardid.sys
```

PPR 484

Synopsis:

PCMCIA modems will lose the communications connection after Resuming from a Suspend to RAM when in Terminal mode.

Workaround:

Terminal has to be closed and restarted to reconnect modem.

PPR 488

Synopsis:

The Laplink Remote Control function will not work in 800x600x24 bit video resolution.

Workaround:

The user can switch to 640x480x256 colors if using the Laplink Remote Control function.

PPR 490

Synopsis:

The Xircom CEM28 PC Card does not work with Card Wizard.

Workaround:

To install the Xircom CEM 28, the user must do the following:

Disable CardWiz by removing the following lines in config.sys:

```
devicehigh=C:\CARDWIZ\CARDXTND.SYS

devicehigh=C:\CARDWIZ\SSCBTL.SYS /NUMADA:1
/ADA1SKTS:2

devicehigh=C:\CARDWIZ\CS.SYS /POLL:1

device=C:\CARDWIZ\CSALLOC.EXE

devicehigh=C:\CARDWIZ\CARDID.SYS

install=C:\CARDWIZ\CS_APM.EXE
```

Install the Xircom CEM28 from DOS using the Xircom CEM28 Installation Diskettes

Run Windows

Install the Microsoft Windows network with Xircom drivers.

Use driver setup to configure the card to IRQ 9 instead of IRQ 10

Exit and re-run windows.

PPR 498

Synopsis:

The 3 COM 3C562-TP PCMCIA combo card is not compatible with Card Wizard.

Workaround:

To install the Xircom CEM 28, the user must do the following:

Disable Cardwiz by removing these 6 lines in config.sys:

```
devicehigh=C:\CARDWIZ\CARDXTND.SYS  
devicehigh=C:\CARDWIZ\SSCBTL.SYS /NUMADA:1 /ADA1SKTS:2  
devicehigh=C:\CARDWIZ\CS.SYS /POLL:1  
device=C:\CARDWIZ\CSALLOC.EXE  
devicehigh=C:\CARDWIZ\CARDID.SYS  
install=C:\CARDWIZ\CS_APM.EXE
```

Modify the [network drivers] section in SYSTEM.INI. After making changes, SYSTEM.INI should appear as follows:

```
[network drivers]  
  
netcard=elpc3x.dos  
  
transport=ndishlp.sys,*netbeui  
  
devdir=c:\windows  
  
LoadRMDrivers=yes
```

The 3CELCM.EXE driver should be dated 1/30/96 or 8/02/96. If no, the updated driver can be downloaded from the 3COM Web Site.

The 3CELCM line must be added before the NET START command in AUTOEXEC.BAT:

```
C:\WINDOWS\3CELCM.EXE COM=3 IRQ=A  
  
C:\WINDOWS\NET START
```

The Microsoft Network with 3 COM drivers will now install successfully.

PPR 501

Synopsis:

If the Yamaha Drivers are installed from the selective restore CD for WFWG, audible sound feedback will occur upon Windows shutdown.

Workaround:

The user can make the following edits to C:\autoexec.bat:

Remark out the line c:\opl3sax\setupsa.exe /n

Move the line SET BLASTER=A220 I5 D1 T4 to execute before the Win statement.

PPR 506

Synopsis:

Touchstone 3 Serial Keypad is not accessible after a Resume from Suspend to Ram or Save to File.

Workaround:

The user must disable power management when using the Touchstone 3 Serial Keypad.

Hot Load – WinNT

PPR 72

Synopsis:

Xing MPEG player causes video corruption, then crashes with Windows NT 4.0 while playing long Video CD's.

Workaround:

The user can periodically stop playing the Video CD , reboot the computer and then Resume playing the Video CD.

PPR 184

Synopsis:

Video corruption occurs while installing Clean Sweep 3.0 for Windows on an NT DSTN system.

Workaround:

The unit can be set to High Color (16 bit) by using the color palette setting in Control Panel,

Display Properties, Settings.

PPR 224

Synopsis:

The user cannot use the DOS style editor in a full screen Command Prompt box on the NT Hot Load.

Workaround:

The user can use the DOS style editor in a Command Prompt box window.

PPR 227

Synopsis:

Power Profiler does not show battery time remaining, this is a limitation of the battery.

Workaround:

Power Profiler displays the battery time remaining as a percentage.

PPR 230

Synopsis:

The copy of Lotus Smartsuite 96 used in I&T will not install on the NT Hot Load.

Workaround:

This issue has been addressed by Lotus Development in the Freelance Graphics 96 and SmartSuite 96 Installation. The user will need to obtain the update in order to install either SmartSuite 96 or Freelance Graphics 96 on Windows NT 4.0.

PPR 235

Synopsis:

Lotus Smartsuite 96 Uninstall Icons don't work under Windows NT 4.0.

Workaround:

To uninstall this application, the user can delete the directories and then remove the program groups with task manager.

PPR 256

Synopsis:

The Maxtor Mobile Max PCMCIA hard drive, Model MXL 105-III, fails to work with CardWizard NT 2.00.06.

Workaround:

This PC Card is not supported on the Hot Load. This PC Card is not on the Microsoft Hardware Compatibility List for Windows NT

PPR 327

Synopsis:

NEC Versa 2700 Help Center icon in NT Hot Load does not match Windows 95 Hot Load icon.

Workaround:

None

PPR 336

Synopsis:

Uninstalling Clean Sweep 3.0 on the NT Hot Load causes a blue screen kernel stop error.

Workaround:

If the user reboots the Versa 2700 and uninstalls a second time, the program works properly.

PPR 389

Synopsis:

LANDesk Inventory PC MIF for NT reports a Pentium 166MMX processor as 125MHZ.

Workaround:

This is a LANDesk bug and is not indicative of a system problem.

PPR 408

Synopsis:

The Motorola Mariner 33.6 Modem/Lan card is not supported by Card Wizard v2.00.06 for Windows NT.

Workaround:

The card is not supported by Card Wizard and is not on the Microsoft Windows NT hardware compatibility list .

PPR 414

Synopsis:

Pitfall for Win95 cannot recognize a joystick in Windows NT.

Workaround:

The user must configure the game to use input from the keyboard.

PPR 415

Synopsis:

The Connectix Quick Cam will only work with Beta NT Drivers supplied by Connectix.

Workaround:

The user can obtain the Beta NT Drivers from www.connectix.com.

PPR 430

Synopsis:

Trying to animate text in Microsoft Office 97 causes Dr Watson for NT Application error.

Workaround:

This error is intermittent and is caused by the application. The error is reported but does not crash the system.

PPR 433

Synopsis:

Removing an IBM Network Adapter after de-installing the Drivers will hang the system.

Workaround:

The user can shut down the system and then remove the card.

PPR 447

Synopsis:

The CardWizard documentation included on the Supplemental CD is unreadable with Microsoft Wordpad.

Workaround:

It is readable if the default font in Wordpad is changed to Times New Roman Western; or if the file is viewed via Microsoft Word 97.

PPR 452

Synopsis:

IRQ 3 is used by the Modem and cannot be freed on a WFWG system. The Modem cannot be disabled via BIOS or software.

Workaround:

The Modem can be disabled through the operating system on either Win95 or WinNT. The user can physically remove the internal Modem from the machine to free IRQ 3.

PPR 458

Synopsis:

Performing a modem redetection on the Hot Load will cause standard modem to be found on COM2.

Workaround:

The user should not install the standard modem on COM2 if the internal Lucent Venus is already recognized by the system.

Hot Load – Win95

PPR 180

Synopsis:

Audio OPL3-SAx configuration needs to be changed to NotePC2 and tone settings need to be increased to get the best audio output.

Workaround:

The Readme file documents the use of OPL3-SAx configuration to set up sound. This is fixed in Win95 Hot Load v 1.00.01.

PPR 237

Synopsis:

Navigator File Manager produces an "illegal operation" error when installed under the Win95 Hot Load.

Workaround:

None

PPR 244

Synopsis:

A Kodak USB Camera will not install on the Hot Load.

Workaround:

Kodak will release a new version of software to resolve this problem.

If the user goes into Regedit - HKEY_LOCAL_MACHINE \ Software\ Microsoft\Windows \CurrentVersion and changes the VersionNumber to 4.03.1213, the user can now install the Kodak DVC 300 software. After the software is installed, connect the camera to the USB connector before rebooting.

PPR 245

Synopsis:

The current Windows 95 Hot Load does not contain the latest version of McAfee Virus Scan.

Workaround:

The Hot Load has version 2.06. The user can upgrade to later versions.

PPR 329

Synopsis:

The sound quality of the internal Lucent modem is unacceptable under Quicklink III.

Workaround:

Quicklink has been removed from the Hot Load v1.00.00.

This is fixed in Hot Load v1.00.01.

PPR 343

Synopsis:

LANDesk 3.0 causes an intermittent "Windows Boot Up Time Out Error".

Workaround:

The user can use an editor to change line 6 in c:\windows\ DMISTART.IN from:

6=C:\DMI\SIA\BIN\CSERVICE.EXE, 20

to:

6=C:\DMI\SIA\BIN\CSERVICE.EXE, 35

PPR 358

Synopsis:

The Volume Control Applet doesn't display the CD Audio slider control.

Workaround:

The user can add CD audio volume control through volume control Properties.

This is fixed in Hot Load v 1.00.01.

PPR 395

Synopsis:

When you select Microsoft Works Online Registration, you get the Microsoft Works Setup screen instead.

Workaround:

None

PPR 405

Synopsis:

A SRAM PCMCIA EXP Flash hangs the system on installation.

Workaround:

The user must replace the file C:\Windows\System\PCCARD.VXD with the file 1012303.vxd from Microsoft.

PPR 409

Synopsis:

Microsoft HPC Explorer v1.0 is on the Hot Load. This version is not compatible with the "Outlook" program contained as part of Office 97.

Workaround:

The user can obtain Microsoft HPC Explorer v1.1 from the Microsoft Web site.

PPR 505

Synopsis:

The NEC branded option Xircom CBE 10/100 card fails to work with the Win95 Hotload.

Workaround:

The user must modify the emm386.exe line in config.sys.

The original line is:

```
DEVICE=C:\WINDOWS\EMM386.EXE NOEMS X=C000-CFFF X=D000-DFFF X=E000-EFFF
```

The corrected line is:

```
DEVICE=C:\WINDOWS\EMM386.EXE NOEMS
```

Hot Load – Win95 Educational

PPR 487

Synopsis:

Mixman hangs intermittently as if stuck on a track and does not respond to any controls.

Workaround:

None, this is a Mixman problem. The user must end the task by using Ctrl+Alt+Del to exit the application.

PPR 486

Synopsis:

With the Bookshelf CD inserted, selecting Bookshelf Basics results in a dialog box requesting the Basics CD.

Workaround:

The user must insert the Bookshelf Basics CD.

PPR 493

Synopsis:

Modern Age Books does not work with the Intellimouse wheel.

Workaround:

None. This is a limitation of Modern Age Books.

PPR 494

Synopsis:

The location of the HDPrepEZ file on the Win95 educational hotload, though functionally correct, conflicts with the location of the HDPrepEZ file on the other RT6 Win95 hotloads.

Workaround:

None. The educational hotload places the file in the c:\necutils\hdprep directory.

PPR 502

Synopsis:

Internet Mail does not save the user password for a dial-up connection. When Send/Receive mail is selected, a dialog box pops up displaying the user name and connection information. The password is filled in and the box for saving the password is checked. The next time the application is launched, the password needs to be re-entered.

Workaround:

The user must re-enter the password for each session.

Mechanical

PPR 37

Synopsis:

When some Type II PC Cards are inserted in the top PCMCIA slot, insertion and removal can be difficult.

Workaround:

If this occurs, one card at a time can be used. Infrequently, some Type II PC Cards can be slightly thicker than others.

PPR 43

Synopsis:

The USB Connector is mounted upside down with respect to USB Devices and a P56 reference machine.

Workaround:

The peripheral device USB Connector must be inserted with the USB Icon facing down.

PPR 88

Synopsis:

The Portbar PS/2 Ports are upside down.

Workaround:

The user must turn the cable so the arrow points down, this will allow the mouse connector to fit.

PPR 261

Synopsis:

A Snappy Device does not fit properly into the RT6 parallel port.

Workaround:

The Snappy Device Parallel Port connector is too large. It can be connected, the plastic of the system case gets bowed out a little, but springs back after removal.

PPR 412

Synopsis:

The Connector on the internal Lucent Modem can slide up and make a poor connection.

Workaround:

The user can re-seat the modem connector.

Other

PPR 321

Synopsis:

Opinion: The User should be informed to use USB devices with PM disabled.

Workaround:

The recommendation in the Readme file states to disable all power management when

using USB Devices.

PPR 344

Synopsis:

If Alps Driver is disabled in Properties, and then the user attempts to re-enable the Driver, it is not available unless defaults are reset in BIOS.

Workaround:

The Alps Win95 Drivers have been removed from the Hot Load.

PPR 413

Synopsis:

Screen brightness adjustment does not allow enough latitude for use without ambient lighting. The screen can be too bright in a dark room.

Workaround:

The user can increase the ambient light in the room.

PCMCIA

PPR 218

Synopsis:

The New Media Bus Toaster SCSI PCMCIA card fails to work under Windows NT Hot Load v 1.00.00 with Card Wizard v2.00.06.

Workaround:

This card works with Cardwizard 3.00.05.

PPR 339

Synopsis:

The 3COM 3C575TX Cardbus Ethernet Card is not recognized by CardWizard v3.00.05

Workaround:

The card works on the NT Hot Load v1.00.00.

PPR 406

Synopsis:

The Xircom Performance CE-2 PCMCIA Ethernet Card fails to work with the NT 4.0 Hot Load or a Generic NT 4.0 installation.

Workaround:

The user can use a Xircom CE-3 10/100 instead.

PPR 424

Synopsis:

The internal modem call progress or DTMF tones are not audible during dialing.

Workaround:

None, the modem is functioning but the tones are not heard.

PPR 427

Synopsis:

The Xircom Credit Card 10/100 with Modem 56 does not work with the NT Hot Load.

Workaround:

The Xircom CE-3 10/100 card and internal Lucent modem can be used instead.

PPR 437

Synopsis:

The USR Sportster modem is unresponsive after receiving a call.

Workaround:

The system has to be reboot to resume communication with the modem.

PPR 457

Synopsis:

The Xircom CEM28 PCMCIA can not be configured on Win NT.

Workaround:

The user can obtain version 2.42 from the Xircom web site.

The settings are I/O 320, Mem D2000, IRQ 10, Modem port 3f8, COM 1.

Restore CD

PPR 353

Synopsis:

The Restore CD has 3 problems with Mediamatics MPEG.

Issue 1: The Setup program shows up in both the drivers section and the applications section. It should appear only in the applications section.

Issue 2: In the box titled Description, the note says to install the ESS Audio Drivers first. It should say to install the Yamaha Drivers first.

Issue 3: Two spelling errors are in the Mediamatics MPEG information file v2.00XX The two errors are the misspellings of labeled and version near the end of the document. There should also be a space between White and Book. These errors are quite evident since the document opens by default to Microsoft Word 97 and these words are underlined in red.

Workaround:

None, these files are "as is" from the vendor.

PPR 355

Synopsis:

The Windows 95 Restore CD v1.0000D and HDPrepEZ have three issues:

Issue 1: The HPPrepEZ text file viewed from the NEC Selective Restore CD states that the working directory for HDPrepEZ to be c:\necutils\hdprep. Both the Hot Load and the NEC user documentation state that this program is located in c:\necutils.

Issue 2: After performing a full restore, we have two locations for the HDPrepEZ program files. The first location is c:\necutils and the second is c:\necutils\hdprep. Windows 95 Hot Load 1.0000J only has one location for these programs.

Issue 3: The HDPrepEZ text file refers to the Versa 6200MX, not the Versa 2700.

Workaround:

HDPrepEZ is in c:\necutils, not in c:\necutil\hdprepez.

PPR 357

Synopsis:

The Windows 95 Selective Restore CD v10000 gives conflicting information regarding the Laplink serial number.

Workaround:

The user should use the serial number listed in the description box on the selective restore utility.

PPR 366

Synopsis:

The Restore CD for Windows 95 says FULL system restore when doing either a Full or a Selective restore.

Workaround:

The Readme states that the File/Directory Restore not to be used on v1.00.00

The new Restore CD with File/Directory Restore removed has been released as v1.00.01.

PPR 370

Synopsis:

The RT6 Restore CD for Windows 95 has words missing in the Restore Mode window.

Workaround:

1) The Restore Mode window starts with "You can choose automate or customize the restore process." The word "to" needs to be inserted between "choose" and "automate".

2) In the second paragraph, the last sentence is "When complete, your hard disk will be just as it was when it purchased." The word "was" needs to be inserted between "it" and "purchased". An alternative is just to eliminate the word "it" which appears immediately before purchased.

PPR 373

Synopsis:

The Windows 95 Restore CD has redundant listings in the Directories and Files sections.

Workaround:

The Readme states that file/directory restore is not to be used on v1.00.00.

The new Restore CD with file/directory restore removed has been released as v1.00.01.

PPR 388

Synopsis:

An incorrect error message is displayed on selective file restore from the Restore CD.

Workaround:

The Readme states that file/directory restore is not to be used on v1.00.00.

The new Restore CD with file/directory restore removed has been released as v1.00.01.

PPR 516

Synopsis:

The description for the HDPREPEZ utility contains incorrect instructs for the user.

Workaround:

The files are actually installed by selecting the setup button one subdirectory deeper or C:\NECUTILS\HDPREP\HDPREPEZ.

PPR 525

Synopsis:

After performing a full restore using the Windows 95 educational skew Restore CD, if you boot with a DOS 6.22 disk, you will receive "invalid drive specification" error message.

Workaround:

You can successfully boot off of a Windows 95/DOS 7 diskette. This is a known problem with Windows 95.

PPR 528

Synopsis:

The Educational skew Windows 95 Restore CD has problems when using FAT 32 on the 3GB and 4GB drives.

Workaround:

The user will receive "Error: Unable to format active partition on Drive C:" message if the Hitachi 3GB HDD and IBM 4GB HDD are used to restore the hot load with FAT32 file system. But the drives are actually formatted correctly. So if you ignore this error message and perform a quick restore, you are able to restore the hot load. This problem does not occur if Automatic or FAT16 restore is used. This problem also does not occur if an IBM 2GB HDD is used.

Supplemental CD

PPR 287

Synopsis:

The Windows NT supplemental CD v1.00.00 does not contain NT Service Pack 3.

Workaround:

The user can obtain WinNT Service Pack 3 from Microsoft. This is noted in the documentation.

Software

PPR 166

Synopsis:

AutoCAD v13 for DOS must be configured properly to run on Windows 95.

Workaround:

In order to run AutoCAD for DOS through Windows 95, one must first copy the hidden file "pharlap.386" from the ACAD\support directory and place the file into the Windows\system directory. The line "device=pharlap.386" must be added to the Windows system.ini file. Generic VGA 640x480x16 Drivers must be used.

PPR 173

Synopsis:

Intergraph's Imagineer Technical Uninstall Utility does not remove the program from the Start Menu.

Workaround:

This is a problem with the application, the user must remove the application manually from the Taskbar.

PPR 225

Synopsis:

The message "acgdemo error" occurred while running the Intel MMX Technology Demo.

Workaround:

This will be fixed by a future release of Yamaha Drivers, the version is unknown at this time.

PPR 314

Synopsis:

A Fatal Exception "OE" error occurs on Resume from Standby after installing Kodak USB camera with Pictureworks Live.

Workaround:

The Readme states that power management must be disabled when using USB devices.

PPR 332

Synopsis:

Quicklink III does not detect a hang up from caller during a record of an incoming call on the answering machine.

Workaround:

Quicklink has been removed from the Hot Load v1.00.00.

This is fixed in Hot Load v1.00.01.

PPR 340

Synopsis:

LANDesk v3.0 incorrectly reports System memory in Windows 95.

Workaround:

The user can verify memory size in Win95 System Properties.

PPR 360

Synopsis:

Running SCT/HCT PnP-BIOS test causes a system hang and changes sound settings in CMOS.

Workaround:

None, users will not be using this test tool.

PPR 375

Synopsis:

The LANDesk Client Manager v3.0 reports DMA errors for IRQ Memory Mapped I/O and DMA.

Workaround:

This is a LANDesk bug and not indicative of hardware problems.

PPR 397

Synopsis:

Memory upgrades can cause an "out of memory error" on boot and a system halt.

Workaround:

The user can disable Vshield from running at startup by doing the following :

1. Right click Vshield in systray, or run Vshield configuration manager from the program group. The user can then disable detection/general/ load Vshield at startup

2. Use an editor to rem the following line in c:\autoexec.bat

```
c:\progra~1\mcafee\viruss~1\scan.exe c:\ /nomem
```

PPR 527

Synopsis:

LANDesk 3.0 causes Windows Boot up Time out errors when the system only has 16MB of memory.

Workaround:

The error specifically says, "Time out waiting for INIT COMPLETE message from the following DMI component: C:\DMI\SIA\BIN\CSERVICE.EXE. This error occurs after LANDesk has been installed. The error does not occur when the system has 32MB or greater of memory.

Video

PPR 117

Synopsis:

Video Corruption Can occur after resuming from a Suspend where the battery was switched.

Workaround:

This is intermittent and no data loss occurs. The user must minimize the time that the system is on bridge battery power. The specification calls out a maximum 5 minutes Bridge Battery time.

PPR 193

Synopsis:

In CRT only mode, video frequencies do not restore properly after an "Alt+Enter" with DOS box.

Workaround:

This problem is not noticeable and causes no damage to the system. The user can reboot the system to reset the refresh rates.

PPR 195

Synopsis:

The Microsoft Office Toolbar causes a momentary pink screen upon startup.

Workaround:

This is a palette shift and is normal.

PPR 233

Synopsis:

Video corruption and loss of sound can occur in Mixman after Resuming from any screen saver.

Workaround:

The user should disable screen savers before using Mixman.

PPR 249

Synopsis:

Moving vertical lines can sometimes be seen on a DSTN screen.

Workaround:

The distortion is very low, no workaround exists.

PPR 252

Synopsis:

The DSTN screen appears slightly darker after a Resume from a Video Time Out.

Workaround:

The user can reboot the system.

PPR 257

Synopsis:

Video corruption appears occasionally as a 1 pixel wide by 20 pixel long white line.

Workaround:

This is very intermittent, the user can repaint the screen or reboot system.

PPR 262

Synopsis:

Installing the Novell 32 bit ODI Driver will cause video corruption on DSTN panels.

Workaround:

The user must use the Settings Tab within Display Properties to set the display resolution to VGA mode before installing and using these drivers.

PPR 308

Synopsis:

Laplink Remote Control hangs the host system.

Workaround:

This is a Neomagic Video Driver issue.

The user has 2 options:

Control panel/display can be used to set the display resolution to VGA mode

or

The Versa 2700 can be used as the controlling computer.

PPR 361

Synopsis:

With Video Expansion "off" in the BIOS, DSTN LCD's still have horizontal expansion.

Workaround:

The user can change the panel expansion setup by using BIOS Setup (<f2> during boot) ,advanced CMOS setup and setting the LCD view expansion option to "on".

3RD Party Hardware List

Hardware Type	Name/Description	Vendor	P/F/W	Comments, PPR #
CD-ROM Drive, Versa	Versa 16x CD-ROM	NEC	P	
IDE HDD, Versa	1.44 GB IDE HDD	Toshiba and Hitachi	P	
IDE HDD, Versa	2.1 GB IDE HDD	Toshiba and Hitachi	P	
Floppy	Internal FDD	NEC	P	Several FDD hw failures
Memory	16MB Memory	NEC	P	
Memory	32MB Memory	NEC	P	
Memory	64MB Memory	NEC	P	
Keyboard, Versa	US Keyboard for Versa	NEC	P	
SCSI, CD-ROM Drive	MultiSpin 3Xi (SCSI Internal)	NEC	P	
SCSI, CD-ROM Drive	MultiSpin 8Xe (SCSI External)	NEC	P	
SCSI, HDD	Digital DSP 3107L	Digital DSP 3107L	P	
I/O, MIDI Port	Joystick	Tester Choice	P	
I/O, MIDI Port	Joystick	Tester Choice	P	
I/O, MIDI Port	PC-200 MKII MIDI Keyboard	Roland	P	
I/O, Microphone Port	Microphone, Stereo		P	
I/O, Microphone Port	Microphone, Mono		P	

I/O, Speaker Port	Speakers, Powered		P	
I/O, Speaker Port	Speakers, Non-Powered		P	
I/O, PS/2 Port	AT&T PS/2 Keyboard	AT&T	P	
I/O, PS/2 Port	Compaq PS/2 Keyboard	Compaq	P	
I/O, PS/2 Port	PS/2 Mouse	IBM	P	
I/O, PS/2 Port	Intermec 9710 Bar Code reader	Intermec	P	
I/O, PS/2 Port	Mouse Man - Cordless	Logitech	P	
I/O, PS/2 Port	Wheel Mouse (Intellimouse)	Microsoft	P	
I/O, PS/2 Port	PS/2 Y adapter	NEC	P	
I/O, PS/2 Port	PS/2 Keyboard, NSTL choice(DELL)		F	PPR 203
I/O, PS/2 Port	PS/2 Keyboard, NSTL choice		P	
I/O, PS/2 Port	720 Numeric Keypad	Touchstone	F	PPR 205
I/O, PS/2 Port	Auxilliary keypad	Touchstone	P	
I/O, USB Ports	Joystick, Top Gun ThrustMaster	Paramount	W	PPR 13
I/O, USB Ports	Camera, Digital	Eastman Kodak	W	PPR 244, 314
I/O, USB Ports	Keyboard	Fujitsu	F	PPR 322
I/O, USB Ports	Gamepad, M0104	Alps	P	
Monitor	8515 VGA color -IBM	IBM	P	
Monitor	CM4018	Magnavox	P	
Monitor	FlexScan F550i-W	Nanao	P	
Monitor	CrystalScan 1572	Gateway	P	
Monitor	C400	NEC	P	
Monitor	M500	NEC	P	
Monitor	Multisync 2V	NEC	P	
Monitor	Multisync 3FGe Monitor	NEC	P	
Monitor	Multisync 3V	NEC	P	
Monitor	MultiSync MT800	NEC	P	
Monitor	Multisync XE17 (or 21)	NEC	P	
Monitor	Multisync XP21 (or 15 or 17)	NEC	P	
Monitor	MultiSync XV14	NEC	P	
Monitor	MultiSync XV15+ (or 17+)	NEC	P	
Parallel Port	Trakker	Colorado	P	
Parallel Port	Keyboard,Genovation-650	Genovation	P	
Parallel Port	Ditto Easy 800	IOmega	P	
Parallel Port	Zip	IOmega	P	
Parallel Port	Backpack CD-ROM Drive -EPP	MicroSolutions	W	PPR 312
Parallel Port	External Hard Disk - EPP	NEC	W	NO support for NT, Win95
Parallel Port	T358 SCSI Adapter	NEC	P	

Parallel Port	External Tape Drive	Peros	P	
Parallel Port	Snappy	Play	P	
Parallel Port	PE-3 Parallel Port Ethernet	Xircom	P	
Parallel Port	PT-3 Parallel Token Ring	Xircom	P	Only WFWG
Parallel Port, ECP	6X CD-ROM Drive	Disctec	P	
Parallel Port, ECP	Direct Parallel Cable	Parallel Technologies	P	
Parallel Port, EPP	Page Scan Color Scanner	Logitech	P	
Parallel Port, Printer	LQ-850	Epson	P	
Parallel Port, Printer	Laser Jet 5MP (Infrared)	Hewlett Packard	P	
Parallel Port, Printer	Laser Jet III	Hewlett Packard	P	
Parallel Port, Printer	SuperScript 660	NEC	P	
Parallel Port, Printer	SuperScript 860	NEC	P	
Parallel Port, ECP Printer	6MP	HP	P	
PCMCIA, Flash	EXP Flash	Intel	F	PPR 405
PCMCIA, Combo	Ether/Modem 10BaseT and Modem	Megahertz	P	
PCMCIA, Combo	Mariner 33.6 modem and NIC	Motorola	P	
PCMCIA, Combo	Combination Modem Ethernet	Xircom	W	PPR 335
PCMCIA, HDD	Mobile Max HDD 105	Maxtor	P	
PCMCIA, HDD	DataPak 260 or 320	Kingston	P	
PCMCIA, HDD	Sandisk 10MB (SDP5-10)	Sun	F	PPR 300
PCMCIA, Modem	28.8Kbps	Megahertz X-jack 28	P	units not tracked yet
PCMCIA, Modem	Montana 33.6 modem	Motorola	P	
PCMCIA, Modem	ST1414L Voice Mail	Smart Modular	P	
PCMCIA, Modem	Sportster 28.8 Modem	USR	P	
PCMCIA, Modem	XJ1560, 56k/x2 Data Fax	USR	W	PPR 177
PCMCIA Combo	3C562C-TP PCMCIA Ethernet Modem	3COM	P	
PCMCIA, NIC	CBE-10/100 BTX Cardbus	Xircom	P	
PCMCIA, NIC	3C589 PCMCIA Ethernet	3COM	P	
PCMCIA, NIC	3270 Adapter	IBM	P	
PCMCIA, NIC	5250 Adapter	IBM	P	
PCMCIA, NIC	PCMCIA Ethernet	IBM Ethernet	P	
PCMCIA, NIC	PCMCIA Token	IBM Token Ring	P	

PCMCIA, NIC	Performance 10BaseT	Xircom	P	
PCMCIA, NIC	10BaseT Ethernet Adapter	Xircom (NEC)	P	
PCMCIA, SCSI	SLIM SCSI	Adaptec	P	
PCMCIA, SCSI	SCSI, Bus Toaster	New Media	w	PPR 218
PCMCIA, Serial	Serial Adapter	Smart Modular	P	
PCMCIA, Serial	Serial Adapter SL0700	Socket Communications	W	PPR 341
Serial Port	External Numeric Keypad	CNF	W	PPR 284
Serial Port	QuickCam Color	Connetix	P	
Serial Port	PhotoPC Color Digital Camera	Epson	P	
Serial Port	14.4 External	Intel	P	
Serial Port	Null Modem transfers	NULL MODEM	P	
Serial Port	SupraExpress 28.8 External PnP	Supra	P	
Serial Port	Keypad,Touchstone 3 720D	Touchstone 3	P	
Serial Port	Courier v. Everything External modem	US Robotics	P	
Serial Port	14.4 External Modem PPMT II	Practical Peripherals	P	
Serial Port	Optima 28.8 External modem	Hayes	P	
Serial Port	Easy Ball Child's Pointing Device	Microsoft	P	
Serial Port	28.8 External modem	US Robotics	P	

3RD Party Software List

Software Type	Name / Description	Revision	Vendor	P/F/W	Comments, PPR #
Operating System	MS-DOS 6.22	6.22	Microsoft	P	
Operating System	MS-DOS 7.x	6.22	Microsoft	P	
Operating System	Windows for Workgroups	3.11	Microsoft	P	
Operating System	Windows 95	950a	Microsoft	P	
Operating System	Windows NT	4.0	Microsoft	P	
Operating System	MS-DOS - Japanese	5.0	Microsoft	P	
MS-DOS APPLICATIONS					
CAD	AutoCAD, CD-ROM	13	Autodesk	W	PPR 166

Comms, Async	Procomm Plus	2.26	Data Storm	P	
Entertainment	Duke Nukem 3D	1.0d	3d Realms	W	PPR 298
Entertainment	Flight Simulator	5.0a	Microsoft	P	
Entertainment	MechWarrior II for DOS	1.0	Activision	P	
Entertainment	Rebel Assault CD-ROM	1994	Lucas Arts	P	
Memory Manager	Max	8.0	Qualitas	P	
Memory Manager	QEMM	8.01	Quarterdeck	P	
Spreadsheet	Lotus 1-2-3	3.4	Lotus	P	
Utility	PC-Kwik Power Pak	2.2		P	
Utility, Backup	Colorado Backup for DOS	4.05	Colorado	P	
Utility, Diagnostic	Ami Diagnostics	5.15	Ami	P	Used Amidiag 5.21 for Printer
Utility, Diagnostic	Norton Utilities	8.0	Symantec	P	
Utility, Diagnostic	PC Tools Pro	9.0 Pro	Central Point	P	
Utility, Diagnostic	QA Plus	4.8	DiagSoft	P	
Word Processing	Word	6.0	Microsoft	P	
WINDOWS APPLICATIONS					
Antivirus	Virus Scan for Windows	2.2.5	McAfee	P	
Antivirus	F-Prot Professional for Windows			P	
Antivirus	Norton Anti-Virus for Windows		Symantec	P	
Antivirus	Viruscan for Windows		Dr. Solomon's	P	
Business Graphics	Acrobat Pro		Adobe	P	
CAD	3D Home Architect CDROM	1.0	Broderbund	P	
Comms, Async	Procomm Plus for Windows	3.0	Datastorm	P	
Database	Lotus Notes for Windows	4.0	Lotus	P	
Draw-Paint	Visio	4.0	Shapeware	P	
Education	Microsoft Encarta CD-ROM	1996	Microsoft	P	
Education	Power Japanese CD-ROM, v2.0	1994	Bayware, Inc.	P	
Entertainment	Myst - CDROM	I	Broderbund	P	
Entertainment	Silent Steel CDROM	1995	Tsunami	P	
Finance	Quicken, CD-ROM	6.00	Intuit	P	
Graphix, Presentation	Power Point	3.0	Microsoft	P	
Integrated	MS Works for Windows	1.0	Microsoft	P	
Integrated	Smartsuite	4.0	Lotus	P	
Internet	Navigator 16 bit	3.0	Netscape	P	
Memory Management	RAM Doubler	?	Connetix	P	
MIDI	CakeWalk Pro		12 Tone Systems	P	
Multimedia	Cinemia for Windows CD-ROM	1995	Microsoft	P	
PIM	Lotus Organizer for Windows	2.1	Lotus	P	
Project Planning	Microsoft Project for	1.0	Microsoft	P	

	Windows				
Shell	Dashboard	1.0	Hewlett Packard	P	
Shell	Norton Desktop for Windows	2.0	Norton	P	
Spreadsheet	1-2-3 for Windows CDROM	5.0	Lotus	P	
Spreadsheet	Excel For Windows	5.0	Microsoft	P	
Utility	Acrobat Pro	2.1	Adobe	P	
Utility	Adobe Type Mgr. for Windows	2.5	Adobe	P	
Utility	After Dark Complete CDROM	1995	Berkeley Systems	P	
Utility	LapLink for Windows	6.0b	Travelling Software	F	PPR 308, bad remote
Utility	Watermark	1.0	Watermark Software	P	
Utility	WinZip	6.1	Niko Mac	P	
Utility, Diagnostic	QAPLus for Windows	6.0	Diagsoft	P	
Utility, Diagnostic	PC Tools for Windows	2.0	Central Point	P	
Word Processing	WordPerfect for Windows	6.0	Novell	W	PPR 209 (DSTN)
Word Processing	Word for Windows	6.0	Microsoft	P	
WINDOWS 95 APPLICATIONS					
Antivirus	Virus Scan 95	2.5	McAfee	P	
Comms Async	WinFAX Pro	7.0	Delrina	P	
Comms,Async	PC Anywhere 32	7.5	Symantec	P	
Database	Access for Windows 95	3.0	Microsoft	P	
Desktop Publishing	Publisher for Win95 CDROM		Microsoft	P	
Draw-Paint	Corel Draw	6.0	Corel system	P	
Education	Microsoft Bookshelf CD for Win95		Microsoft	P	
Entertainment	Complete NBA Basketball for Win95		Microsoft	P	(PPR 238 on 0.2H BIOS)
Entertainment	Microsoft Golf CDROM	1.0	Microsoft	P	
Entertainment	FURY for Win 95	1.0	Microsoft	P	
Integrated	SmartSuite	96	Lotus	w	PPR 230, 235
Internet	Front Page	1.1	Microsoft	P	
Internet	Navigator 32 bit	3.0	Netscape	P	
Memory Management	QEMM	?	Quarterdeck	P	
Memory Management	Max	8.0	Qualitas	W	PPR 311
MultiMedia	3D Movie maker for Win95 CDROM		Microsoft	P	
MultiMedia	Cinemanian for Win 95 CDROM		Microsoft	P	
MultiMedia	Music Central for Win 95 CDROM		Microsoft	P	
Utility	Acrobat Pro	3.0	Adobe	P	up rev. from 2.1
Utility	First Aid 95 Deluxe		Cybermedia	P	
Utility	Laplink for Win95	7.0	Travelling Software	F	PPR 308

Utility	Magna RAM for Win95			P	
Utility	Norton Navigator for Win95		Symantec	F	PPR 237
Utility	Norton Utilities for Win95	2.0	Symantec	P	
Utility	Stacker		Stac Electronics	W	PPR 217
Utility, Backup	Seagate Backup for Windows 95	1	Seagate	P	
Utility, Uninstaller	Clean Sweep for Windows 95		Quarterdeck	W	PPR 184
Utility, Win95	Norton Utilities for Win95		Symantec	P	
MMx	Eraser Turnabout			P	
MMx	POD			P	
Demo, MMx	Comdex Intel Demo		Intel	F	PPR 225
MMx	Ultimate Human Body			P	
Database	Microsoft Access 97		Microsoft	P	
Spreadsheet	Microsoft Excel 97		Microsoft	P	
Word Processing	Microsoft Word 97		Microsoft	P	
Business Graphics	Power Point 97		Microsoft	P	
PIM	Outlook 97		Microsoft	P	
Antivirus	Norton Anti-Virus for Windows 95		Symantec	P	
WINDOWS NT APPLICATIONS					
Antivirus	Virus Scan	?	McAfee	P	
Comms,Async	Crosstalk inter.comms Suite		Attachmate	P	
Database	Paradox	7.0	Borland	P	
Draw-Paint	Imagineer Technical		Intergraph	W	PPR 177
Integrated	Microsoft Office Pro	95	Microsoft	W	PPR 195
Internet	Navigator 32 bit	3.0	Netscape	P	
Publishing	Pagemaker	6.5	Adobe	P	up rev. from 6.0
MultiMedia	Cinermania for Win 95 CDROM		Microsoft	P	
PIM	Schedule Plus for Windows 95	7.0 or 7.0a	Microsoft	P	
Database	Microsoft Access 97		Microsoft	P	
Spreadsheet	Microsoft Excel 97		Microsoft	P	
Word Processing	Microsoft Word 97		Microsoft	P	
Business Graphics	Power Point 97		Microsoft	P	
Photo Edit	Adobe Photoshop	?	Adobe	P	
PIM	Outlook 97		Microsoft	P	
Utility	Norton NT Tools	2.0	Symantec	P	

RT6 Benchmarks								
Preliminary performance results	M1		M2		M3		M4	
7/1/97	DSTN		TFT		TFT		TFT	
	MMX step3		MMX step3		MMX step3		MMX step3	
Test Date	7/31/97	8/1/97	7/31/97	8/7/97	6/25/97		7/31/97	
Test Person	WBB		WBB		WBB		WBB	
NoteBook Model	Versa 2730M		Versa 2730MT		Versa 2750MT		Versa 2760MT	
Notebook Pass	MP1		MP1		MP1		MP1	
Hot Load Version	L	M	M	1.00.00	F		M	M
AMI BIOS Version	M	M	M	1.6	F		M	M
CPU	Intel/Pentium/133MMX		Intel/Pentium/133MMX		Intel/Pentium/150MMX		Intel/Pentium/166MMX	
Manufacturer/type/speed								
Operating System	Win 95 OSR2 v2.1		Win 95 OSR2 v2.1		Win 95 OSR2 v2.1		Win 95 OSR2 v2.1	
CDROM	16x		16x		16x		16x	
Manufacturer/Speed								
HD	Toshiba 1.4		Toshiba 1.4		Toshiba 2.1		Toshiba 2.1	
Manufacturer/size/Speed								
Memory	16MB	32MB	16MB	32MB	16MB	32MB	16MB	32MB
Type/Size/Speed								
	800x600		800x600		800x600		800x600	
WinBench 97 Version 1.1								
CD-Rom WinMark 97	784	747	782	703	775		790	793
CPUmark-16	297	300	303	297	301		305	310
CPUmark-32	301	303	295	269	300		294	294
Business Disk	526	561	531	622	528		541	655
High-end Disk	1460	1530	1440	1790	1390		1530	1950
Business Database	3.60	3.80	4.26	4.78	3.94		4.39	4.92
Graphics								
Business Graphics WinMark 97	41.9	43.8	52.4	51.3	47.2		53.0	56.2
Business Publishing Graphics	4.70	4.99	5.68	5.47	5.08		5.70	6.09
Business WP/SS Graphics	4.21	4.36	5.47	5.12	4.90		5.50	5.70
WinStone 97 Version1.1								
Business Database	2.31	3.29	2.4	3.47	2.11		2.44	3.82
Business Publishing	2.29	3.47	2.27	3.55	2.26		2.52	3.86
Business WinStone 97	24.8	32.2	26.1	34.2	25.2		27	37.1
Business WP/SS	2.64	3.1	2.89	3.34	2.86		2.91	3.61
WinDrain								
Rundown Time (hh:mm)							1:53 (M)	
Rundown Time (hh:mm)							1:45 (N)	
Zdigit (Power Managed)								
Rundown Time (hh:mm)							3:12 (N)	

Business Database:Winstone 97 scores 4.77 Winstone units 1,2
 Business Publishing:Winstone 97 scores 4.66 Winstone units 1,2
 Business Winstone 97:Winstone 97 scores 46.3 Winstone units 1,2
 Business WP/SS:Winstone 97 scores 4.56 Winstone units 1,2

PC Card Configuration

PCI/ISA Adapter	Tested By	OS	BIOS	DRIVER	IRQ	I/O	MEM	MEM	R
PCMCIA IBM ETHER.	NEC I&T								
Novell Client 32, W95	NEC I&T								
W 95 Client	NEC I&T			W95	9	120-13F	CE000-CEFFF	D0000-D3FFF	P
WFWG	NEC I&T			W95	9	120-13F	CE000-CEFFF	D0000-D3FFF	P
3Com 3C589C									
Novell Client 32, W 95	NEC I&T	W95		W95	9	110-11F			P
	NEC I&T	Winnt	16	Winnt 4.0	10	300	NA		P
SMART 1414L FAX/Data/Voice	NEC I&T			W95	9	2F8 - 2FF			P
New Media Bus Toaster	NEC I&T	W95	0.2H	W95	9 or 10	140 - 15F	na		P
	NEC I&T	Winnt							F
	NEC I&T	Winnt			10	340			P
Xircom CE3 10/100	NEC I&T	W95	0.2H	v1.42	9	110 - 11F	CE000-CEFFF,	CF000-CFFFF	P
	NEC I&T	W95	0.2N	v1.42	9	110-11F	30020000-3002FFF0	3003000-3003FFF	
	NEC I&T	Winnt	0.2H	v1.42	7 or 10	280 or 320	D4000		P
Maxtor Mobile 105	NEC	W95	0.2J	NA	9	110-	NA		P

	I&T					11F			
Xircom CBE Cardbus 10/100	NEC I&T	W95	16	v1.24	10	580-5FF	06080000-0608007F	6040000-607FFFF	P
	NEC I&T	Winnt	16	v1.24	11	1000	C0000		
Flash EXP Flash	NSTL	W95	0.2J						F
Megahertz Ether Modem 10BT Combo	NSTL	W95	0.2H		9	03E8-03EF	NA		P
Motorola Mariner 33.6 Combo	NSTL	W95	0.2H		9	03E8-03EF	NA		F
Kingston Datapack 340	NSTL	W95	0.2E	W95	9	110-11F	NA		P
	NEC I&T	Winnt	16	Winnt					F
Sun Sandisk 10MB (SDP5-10)	NSTL	W95	0.2I		9	03E0-03E1	NA		F
Practical Peripherals 14.4 v42 modem	NSTL	W95	0.2I		10	02E8-02EF	40000000-4000FFF		F
Motorola Montana 33.6 modem	NSTL	W95	0.2H		9	03E8-03EF	NA		P
3COM 3C562C Ethernet Modem	NSTL	W95	0.2E						P
	NEC I&T	Winnt	18	Website 3C562N 6/19/97	10	0x300	D0000		P
IBM PCMCIA Token Ring	NSTL	W95	0.2H		9	0300-0303	CE000-CFFFF		
Xircom (NEC) 10BaseT Ethernet PCMCIA	NSTL	W95	0.2E		9				P

NEC Slim SCSI	NSTL	W95	0.2H	W95	9	340-35F	1002000-1002FFF		P
	NEC I&T	Winnt	16	Winnt	10	340-35F	EFFFE000-EFFFEFFF	FFFFFF000-FFFFFFF	P
3COM 3C575 XL cardbus	NEC I&T	WINNT	18	23-Apr-97	11	3000	D0000		V
	NEC I&T	Winnt Generic	16	23-Apr-97	9	3000	D0000		P