

April 1999  
[PRT006B/0199]

Prepared by Portables Software  
Marketing

Compaq Computer Corporation

**Contents**

Highlights .....3  
Windows 95 .....3  
Windows 98 .....7  
Windows NT 4.0 .....9

**List of Tables**

Table 1 - Windows 95 Software  
Component Version  
Comparison .....3  
Table 2.1 - System  
Enhancements for  
Windows 95 – QFE’s .....3  
Table 2.2 - System  
Enhancements for  
Windows 95 - Upgrades .....4  
Table 2.3 - System  
Enhancements for  
Windows 95 – Registry  
Updates .....5  
Table 3 - Windows 98 Software  
Component Version  
Comparison .....7  
Table 4 - Software  
Enhancements for  
Windows 98 .....8  
Table 5 - Windows NT 4.0  
Software Component  
Version Comparison .....9  
Table 6 – Windows NT 4.0  
Software Enhancements .....10

# Armada 7400 and 7800 Pre-install Refresh

**Abstract:** The purpose of this White Paper is to provide information on the software update (referred to as the Pre-install Refresh) for Armada 7400 and 7800 notebooks and provides the basis for future Armada models. The scope of the initiative is to provide upgrades to a number of key software components as well as introduce new software functionality over and above that which was included with earlier units.

The following image refreshes have occurred during the continuously improving life cycle of the Armada 7800 and 7400 notebook computers. All software component upgrades referred to in this document have been tested and are supported. Upgraded software components are available for download from the Compaq Web site and the Compaq Support Software CD.

Announced	CPU Type	WN-95	WN-98	WNT-4	Image
4/98	233/266MHz	√	√	√	Base
9/98	266/300MHz	√	√	√	Refresh-1
1/99	333/366MHz	√	√	√	Refresh-2

## Notice

The information in this publication is subject to change without notice and is provided "AS IS" WITHOUT WARRANTY OF ANY KIND. THE ENTIRE RISK ARISING OUT OF THE USE OF THIS INFORMATION REMAINS WITH RECIPIENT. IN NO EVENT SHALL COMPAQ BE LIABLE FOR ANY DIRECT, CONSEQUENTIAL, INCIDENTAL, SPECIAL, PUNITIVE OR OTHER DAMAGES WHATSOEVER (INCLUDING WITHOUT LIMITATION, DAMAGES FOR LOSS OF BUSINESS PROFITS, BUSINESS INTERRUPTION OR LOSS OF BUSINESS INFORMATION), EVEN IF COMPAQ HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

The limited warranties for Compaq products are exclusively set forth in the documentation accompanying such products. Nothing herein should be construed as constituting a further or additional warranty.

This publication does not constitute an endorsement of the product or products that were tested. The configuration or configurations tested or described may or may not be the only available solution. This test is not a determination of product quality or correctness, nor does it ensure compliance with any federal state or local requirements.

Product names mentioned herein may be trademarks and/or registered trademarks of their respective companies.

Compaq, Contura, Deskpro, Fastart, Compaq Insight Manager, LTE, PageMarq, Systempro, Systempro/LT, ProLiant, TwinTray, ROMPaq, LicensePaq, QVision, SLT, ProLinea, SmartStart, NetFlex, DirectPlus, QuickFind, RemotePaq, BackPaq, TechPaq, SpeedPaq, QuickBack, PaqFax, Presario, SilentCool, CompaqCare (design), Aero, SmartStation, MiniStation, and PaqRap, registered United States Patent and Trademark Office.

Netelligent, Armada, Cruiser, Concerto, QuickChoice, ProSignia, Systempro/XL, Net1, LTE Elite, Vocalyst, PageMate, SoftPaq, FirstPaq, SolutionPaq, EasyPoint, EZ Help, MaxLight, MultiLock, QuickBlank, QuickLock, UltraView, Innovate logo, Wonder Tools logo in black/white and color, and Compaq PC Card Solution logo are trademarks and/or service marks of Compaq Computer Corporation.

Microsoft, Windows, Windows NT, Windows NT Server and Workstation, Microsoft SQL Server for Windows NT are trademarks and/or registered trademarks of Microsoft Corporation.

NetWare and Novell are registered trademarks and intraNetWare, NDS, and Novell Directory Services are trademarks of Novell, Inc.

Pentium is a registered trademark of Intel Corporation.

Copyright ©1999 Compaq Computer Corporation. All rights reserved. Printed in the U.S.A.

Armada 7400 and 7800 Pre-install Refresh  
White Paper prepared by Portables Software Marketing

First Edition (January 1999)  
Document Number [PRT006B/0199]

## Highlights

The primary difference between this latest Pre-install Refresh and the prior pre-install images was:

- Compaq Intelligent Manageability Insight Agents have been upgraded. This is an important upgrade since the new version enables DMI 2.0 and adds battery and external monitor fault alerts.

## Windows 95

**Table 1 - Windows 95 Software Component Version Comparison**

Software Component	Pre-install Refresh # 2	Pre-install Refresh # 1	Base Pre-install
Compaq Armada NetFlex 3 Network Support	2.00 Rev A	2.00 Rev A	2.00 Rev A
Compaq Diagnostics (Operating System Independent)	10.32 Rev B-1	10.24 Rev A	10.24 Rev A
Compaq Diagnostics	2.12 Rev A-1	2.08 Rev A	1.21 Rev A
Compaq F10 Setup (Operating System Independent)	2.01 Rev F-1	2.01 Rev C	2.01 Rev B
Compaq Intelligent Manageability Insight Management Agents <sup>1</sup>	4.20 Rev D-1	3.51 Rev E	3.50 Rev B
Compaq Power Management	3.1 Rev E-1	2.02 Rev C	2.02 Rev A
Compaq Security Extensions (Security32)	1.1 RevG-2	1.10 Rev F	1.10 Rev C
S3 VIRGE/M5 Display Driver	3.32.37 Rev B-7	3.32.14 Rev D	3.32.08 Rev B
ESS 1879 Audio Drivers	4.04 Rev D-6	4.04.1263 Rev B	4.04.1240 Rev A
Microsoft DirectX	5.20 Rev A-1	5.20	5.0
Compaq Programmable Keys	1.1 Rev E-1	1.10 Rev D	1.10 Rev A
Microsoft Internet Explorer <sup>2</sup>	4.01	4.01	4.0
MSDOS Real Mode Support	2.0 Rev D-1	1.00 Rev D	1.00 Rev C
Non-DDC Monitor Configuration Utility <sup>3</sup>	1.00 Rev C	1.00 Rev C	1.00 Rev B
True Flash File System	1.0 Rev A-2	1.00 Rev A	1.00 Rev A
Compaq System Enhancements <sup>4</sup>	2.1 Rev D-5	2.00 Rev C	2.00 Rev C
Carbon Copy Host	5.00 Rev A	5.00 Rev A	4.10 Rev A

**Table 2.1 - System Enhancements for Windows 95 – QFE's**

**NOTE:**

*On some platforms, Compaq provides the System Enhancements diskette included inside the ARCD (Applications Recovery CD-ROM) or available as a SoftPaq on the Compaq Web site or on the Compaq Support Software CD. This deliverable features an automated install and includes all operating system fixes from Microsoft, registry modification and INF changes included on the hard drive image pre-installed by Compaq. For customers who create their own hard drive image, it is important that this deliverable be installed.*

The tables below specify which versions of each QFE (Quick Fix Engineering) or upgrades are needed by each indicated platform. Along with a brief description, the destination directories on the target machine are indicated. (“<win>” refers to the windows directory, normally C:\WINDOWS. “<cabs>” refers to the location of the .CAB files.)

<sup>1</sup> Referred to as Compaq Intelligent Manageability in the White Paper titled *Armada 7800 Software Overview*.

<sup>2</sup> Internet Explorer 4.0 was previously pre-loaded. Windows 95 OSR2.5, Internet Explorer 4.01 is pre-installed.

<sup>3</sup> Also referred to as the External CRT Configuration Utility.

<sup>4</sup> See the Windows 95 Software Enhancements table for more detailed information about the Compaq System Enhancements for Windows 95.

QFE File	QFE #	Version	Platforms Supported	Languages	Description	Target Directories
CBSS.VXD	403	4.00.1117	All except 1700, 1750 & 4100	All	Disables speaker-out when ZV card is configured. Adds USB updates.	<win>\SYSTEM<cabs>
CBSS.VXD	403	4.00.1114	1700 only	All	See above.	<win>\SYSTEM<cabs>
CDVSD.VXD	463	4.00.1113	7400 & 7800	All	Fixes undocking hang while in suspend with CD-ROM in drive.	<win>\SYSTEM\IOSUBSYS
ESDI_506.PDR	513	4.00.1116	All	All	Fixes DMA problems on CD-ROM & HD	<win>\SYSTEM\IOSUBSYS<cabs>
FLOPUPD2.EXE	328	4.71.0728.0	All	All +JP	Plug n Play support for floppy drive	Misc
IOSYSUP.EXE	405	NA	All	Each	Reduces HIMEM.SYS footprint in European systems	Misc
MODEM.CPL	480	4.00.951	All	SE	Corrects conflict with DCC	<win>\SYSTEM<cabs>
PCCARD.VXD	494	4.00.1118	All	All	Fixes resume-on-ring, zoom video, suspend/resume problems with SCSI CardBus card	<win>\SYSTEM<cabs>
PCI.VXD		4.00.1119	Systems with TI CardBus controller (All except 4100)	All	Fixes TDK Ethernet CardBus card configuration problem	<win>\SYSTEM<cabs>
PCIMP.PCI	563	4.03.1136	All except 4100	All	Fixes multiple IDE controller conflicts while in a docking station	<win>\SYSTEM<cabs>
RMM.PDR	468	4.00.1112	All	Each	Fixes IOS initialization failure / protection error	<win>\SYSTEM\IOSUBSYS<cabs>
RPCLTC1.DLL RPCLTC5.DLL RPCLTS5.DLL SECUR32.DLL		Per language	1700, 1750, 7400 & 7800	Each	Fixes version conflicts with networking	<cabs>
SOCKETSV.VXD	425	4.00.1112	Only 4100	All	Zoom video support for CL-6722ZV	<win>\SYSTEM<cabs>
SYSDM.CPL	514	4.00.1112 & 4.00.1111 per language	All (except 1700, 1750, 7300 & 7800)	Each	Fixes problem with updating drivers from a floppy	
VJOYD.VXD		4.05.00.0155	1700, 1750, 7400 & 7800	All	Fixes version conflicts	<win>\SYSTEM<cabs>
W95FILUP.EXE	464	4.71.0410.0	1700, 1750, 7400 & 7800	US	Year 2000 problem in File Manager.	Misc
WINDOWS.CNT		16,322 bytes	All	BR	Fixes to Brazilian help file	<win>\HELP<cabs>
VMM.VXD (OSR2)	530	4.00.1112	All	Each	PCI re-balancing (PC card fixes)	<win>\SYSTEM\VMM32<cabs>
VMM.VXD (OSR2.1)	530	4.03.1215	All	Each	PCI re-balancing (PC card fixes)	<win>\SYSTEM\VMM32<cabs>

Table 2.2 - System Enhancements for Windows 95 - Upgrades

File Name	Version	Platforms Supported	Languages	Description	Target Directory
CPQPSE.INF	4/13/98 1999 bytes	All	All	Allows Armada docking stations to be recognized by Windows 95	<win>\INF<cabs>
LOGO.SYS	12/3/97 129,078 bytes	All	All	Compaq logo in the clouds	<root>
MACHINE.INF	12/16/97 51,166 bytes	All except 1700 & 4100-4200	All	Support for Compaq-specific hardware	<win>\INF<cabs>
MACHINE.INF	5/27/98 49,817 bytes	1700 only	All	See above	<win>\INF<cabs>
MONOPT.INF	7/6/98 3,331 bytes	All	All	Descriptions for Compaq monitors	<win>\INF<cabs>
MSHDC.INF	9/29/97 15,131 bytes	All except 1700 & 4100-4200	All	Support for Hard drive controller	<win>\INF<cabs>
MSHDC.INF	5/27/98 14,750 bytes	1700 only	All	See above	<win>\INF<cabs>
NODRIVER.INF	9/1/97 4,949 bytes	4100-4200	All	Disables USB on PIIX4	<win>\INF<cabs>
PCMCIA.INF	11/14/97 12,672 bytes	All except 1700	All	Added support for TI 1220, 1250. Fixed interrupt detection	<win>\INF<cabs>
PCMCIA.INF	8/19/97 12,354 bytes	1700 only	All	See above	<win>\INF<cabs>
INFRARED.INF MSIRPORT.INF MSPORTS.INF	Per language	All	Each	Enables infrared hardware	<win>\INF<cabs>

**Table 2.3 - System Enhancements for Windows 95 – Registry Updates**

Platform	REMOVE	ADD	WHY?
4100 4200	[HKEY_LOCAL_MACHINE\Enum\PCI\VEN_104C&DEV_AC17] [HKEY_LOCAL_MACHINE\Enum\PCI\VEN_8086&DEV_7113]	[HKEY_LOCAL_MACHINE\SOFTWARE\Oem] "Name"="CPQPT42000"	Defines product name for America-Online
7400 7800	[HKEY_LOCAL_MACHINE\Enum\PCI\VEN_0E11&DEV_AE69] [HKEY_LOCAL_MACHINE\Enum\PCI\VEN_0E11&DEV_AE6C] [HKEY_LOCAL_MACHINE\Enum\PCI\VEN_104C&DEV_AC16] [HKEY_LOCAL_MACHINE\Enum\Root\*PNP0E00] [HKEY_LOCAL_MACHINE\System\CurrentControlSet\Services\Class\PCMCIA]  [HKEY_LOCAL_MACHINE\Enum\PCI\VEN_0E11&DEV_AE29] <sup>5</sup> [HKEY_LOCAL_MACHINE\Enum\PCI\VEN_0E11&DEV_AE2B] <sup>5</sup>	[HKEY_LOCAL_MACHINE\System\CurrentControlSet\Services\VXD\PCI\IRQMiniports\71108086] "Name"="Intel 82371AB " "Path"="PCIMP.PCI" "Instance"=hex:01,00,00,00  [HKEY_LOCAL_MACHINE\System\CurrentControlSet\Services\VXD\PCI\IDEMiniports\71118086] "Name"="Intel 82371AB " "Path"="PCIMP.PCI" "Instance"=hex:00,00,00,00  [HKEY_LOCAL_MACHINE\System\CurrentControlSet\Services\VXD\PCI\IDEMiniports\D5681045] "Name"="Opti Viper-MAX or FireStar" "Path"="PCIMP.PCI" "Instance"=hex:04,00,00,00	When the OS was originally unbundled, Win95's enumeration process added certain registry entries using the "old" versions of the .INF files that were available at the time. Had the new .INF files been present at unbundling-time, different entries would have been made in the registry. In order to put the system in the desired state, the entries corresponding to the old INFs need to be removed, and the entries corresponding to the new INFs need to be added.
7400 7800		[HKEY_LOCAL_MACHINE\SOFTWARE\Oem] "Name"="CPQPT78000" (Olympus) "Name"="CPQPT74000" (Jackpot) "Name"="<td>" (Oahu) "Name"="<td>" (Molokai)	Defines product names for America-Online
7400 7800		[HKEY_LOCAL_MACHINE\System\CurrentControlSet\Services\VXD\PCI\IDEMiniports\AE330E11] "Name"="Compaq MIS IDE Controller" "Path"="PCIMP.PCI" "Instance"=hex:03,00,00,00 <sup>5</sup>  [HKEY_LOCAL_MACHINE\Enum\MF\CHILD0000\PCI&VEN_0E11&DEV_AE33&BUS_00&DEV_0E&FUNC_01] "HardwareID"="MF\GOODPRIMARY,MF\CHILD0000" "Class"="hdc" "Driver"="hdc\0002" "IDENoSerialize"=hex:01 "Mfg"="(Standard hard disk drivers)" "DeviceDesc"="Primary IDE controller (dual fifo)" "ConfigFlags"=hex:00,00,00,00 <sup>5</sup>  [HKEY_LOCAL_MACHINE\Enum\MF\CHILD0001\PCI&VEN_0E11&DEV_AE33&BUS_00&DEV_0E&FUNC_01] "HardwareID"="MF\GOODSECONDARY,MF\CHILD0001" "Class"="hdc" "Driver"="hdc\0003" "IDENoSerialize"=hex:01 "Mfg"="(Standard hard disk drivers)" "DeviceDesc"="Secondary IDE controller (dual fifo)" "ConfigFlags"=hex:00,00,00,00 <sup>5</sup>  [HKEY_LOCAL_MACHINE\Enum\PCI\VEN_0E11&DEV_AE33\BUS_00&DEV_0E&FUNC_01] "DeviceDesc"="Compaq PCI IDE Controller" "HWRevision"="003" "CompatibleIDs"="PCI\CC_0101EA.PCI\CC_010180.PCI\CC_0101" "HardwareID"="PCI\VEN_0E11&DEV_AE33&SUBSYS_AE330E11&REV_03,PCI\VEN_0E11&DEV_AE33&SUBSYS_AE330E11,PCI\VEN_0E11&DEV_AE33&REV_03,PCI\VEN_0E11&DEV_AE33" "Class"="hdc" "Driver"="hdc\0001" "PCIDualIDE"=hex:01 "Mfg"="Compaq" "ConfigFlags"=hex:00,00,00,00 <sup>5</sup>  [HKEY_LOCAL_MACHINE\Enum\PCI\VEN_0E11&DEV_AE33\BUS_00&DEV_0E&FUNC_01\LogConfig] "0000"=hex:00,04,00,00,00,30,00,00,24,00,00,00,02,00,00,00,01,00,0c,00,f0,01,\ f7,01,00,00,04,03,ff,ff,08,00,f0,01,f7,01,00,00,04,03,ff,00,00,00,24,00,00,\ 00,02,00,00,00,01,00,0c,00,f6,03,f6,03,00,00,04,03,ff,ff,01,00,f6,03,f6,03,\ 00,00,04,03,ff,00,00,00,10,00,00,00,04,00,00,00,00,00,0e,00,00,40,00,00,08,\ 00,00,00,00,80,00,00,08,00,00,00,00,80,00,00,08,00,00,00,00,80,00,00,24,0	

<sup>5</sup> The referenced keys are also relevant for Armada 7300 & 7700 when supported.

		<p>0,\</p> <p>00,00,02,00,00,00,01,00,0c,00,40,b1,47,b1,00,00,ff,00,ff,ff,08,00,40,b1,47,\</p> <p>b1,00,00,ff,00,ff,00,00,00,08,00,00,00,00,80,00,00,00,00,00,00,00<sup>5</sup></p> <p>[HKEY_LOCAL_MACHINE]Enum\PCI\VEN_0E11&amp;DEV_AE33\BUS_0 0&amp;DEV_0E&amp;FUNC_01\Child0000]</p> <p>"HardwareID"="MF\GOODPRIMARY"</p> <p>"ResourceMap"=hex:00,01,02,06</p> <p>"MFFlags"=hex:0c,00,00,00<sup>5</sup></p> <p>[HKEY_LOCAL_MACHINE]Enum\PCI\VEN_0E11&amp;DEV_AE33\BUS_0 0&amp;DEV_0E&amp;FUNC_01\Child0001]</p> <p>"HardwareID"="MF\GOODSECONDARY"</p> <p>"ResourceMap"=hex:03,04,05,07</p> <p>"MFFlags"=hex:0c,00,00,00<sup>5</sup></p>	
1500		<p>[HKEY_LOCAL_MACHINE]Enum\SCSI\MATSHITAUJDCD8700____ _1\MF&amp;CHILD0000&amp;PCI&amp;VEN_1045&amp;DEV_D568&amp;BUS_00&amp;DEV_1 4&amp;FUNC_0010]</p> <p>"AutoInsertNotification"=hex:00</p>	Disable auto-insert notification for CD-ROM (CDAUTOFF.REG)
1700 1750		<p>[HKEY_USERS\.Default\Software\Microsoft\Windows\CurrentVersion\Ex plorer]</p> <p>"ShellState"=hex:1c,00,00,00,20,08,00,00,00,00,00,00,00,00,00,00,00,00, 0,00,01,00,00,00,09,00,00,00</p> <p>[HKEY_USERS\Software\Microsoft\Internet Explorer\Desktop\General]</p> <p>"ComponentsPositioned"=dword:0000000e</p> <p>[HKEY_USERS\.Default\Software\Microsoft\Internet Explorer\Desktop\Components\0]</p> <p>"FriendlyName"="Internet Explorer Channel Bar"</p> <p>"Flags"=dword:00000003</p> <p>"Position"=hex:2c,00,00,00,d8,01,00,00,0f,00,00,00,54,00,00,00,aa,01,00,0 0,ff,ff,ff,f7,01,00,00,00,01,00,00,00,01,00,00,00,00,00,00,00,00,00,00, 00</p> <p>[HKEY_USERS\.Default\Software\Microsoft\Internet Explorer\Main]</p> <p>"Show_ChannelBand"="no"</p>	Disable active desktop (ACTIVE.REG)
1700 1750		<p>[HKEY_LOCAL_MACHINE]Enum\SCSI\MATSHITAUJDA150____ _1\MF&amp;CHILD0000&amp;PCI&amp;VEN_8086&amp;DEV_7111&amp;BUS_00&amp;DEV_0 7&amp;FUNC_0100]</p> <p>"AutoInsertNotification"=hex:00</p> <p>[HKEY_LOCAL_MACHINE]Enum\SCSI\MATSHITAUJDA150____ _1\MF&amp;CHILD0000&amp;PCI&amp;VEN_8086&amp;DEV_7111&amp;BUS_00&amp;DEV_0 7&amp;FUNC_0110]</p> <p>"AutoInsertNotification"=hex:00</p> <p>[HKEY_LOCAL_MACHINE]Enum\SCSI\MATSHITAUJDA510____ _0\MF&amp;CHILD0000&amp;PCI&amp;VEN_8086&amp;DEV_7111&amp;BUS_00&amp;DEV_0 7&amp;FUNC_0110]</p> <p>"AutoInsertNotification"=hex:00</p> <p>[HKEY_LOCAL_MACHINE]Enum\SCSI\MATSHITAUJDA510____ _1\MF&amp;CHILD0000&amp;PCI&amp;VEN_8086&amp;DEV_7111&amp;BUS_00&amp;DEV_0 7&amp;FUNC_0110]</p> <p>"AutoInsertNotification"=hex:00</p> <p>[HKEY_LOCAL_MACHINE]Enum\SCSI\TOSHIBA_CD-ROM_XM- 1802B_1\MF&amp;CHILD0000&amp;PCI&amp;VEN_8086&amp;DEV_7111&amp;BUS_00&amp;DE V_07&amp;FUNC_0110]</p> <p>"AutoInsertNotification"=hex:00</p>	Disables auto-insert notification for CD-ROM (CD.REG)
1700 1750		<p>[HKEY_LOCAL_MACHINE\SOFTWARE\Oem]</p> <p>"Name"="CPQPT17000"</p>	Defines product name for AOL (ISP.REG)
1700 1750		<p>[HKEY_USERS\.Default\Software\Microsoft\Windows\CurrentVersion\Ap plets\Volume Control\ESS AudioDrive Mixer (220)\Phone]</p> <p>"LineStates"=hex:04,00,00,00,50,68,6f,6e,65,00,00,00,00,00,00,00,00,00,00, 0,00,\</p> <p>00,0 0,\</p> <p>00,0 0,\</p> <p>00,00,4d,69,63,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00, 0,\</p> <p>00,0 0,\</p> <p>00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,50,68,6f,6e,6 5,\</p>	Fixes call dial tone (PHONENEW.REG)



Software Component	Pre-install Refresh # 2	Pre-install Refresh # 1	Base Pre-install
Compaq Intelligent Manageability Insight Management Agents <sup>7</sup>	4.20 Rev D-1	3.51 Rev E	3.50 Rev B
Compaq Power Management	3.1 Rev E-1	2.02 Rev C	2.02 Rev A
Compaq Security Extensions (Security32)	1.1 RevG-2	1.10 Rev F	1.10 Rev C
S3 ViRGE/M5 Display Driver	3.32.37 Rev B-7	3.32.14 Rev D	3.32.08 Rev B
ESS 1879 Audio Drivers	4.04 Rev D-6	4.04.1263 Rev B	4.04.1240 Rev A
Microsoft DirectX	5.20 Rev A-1	5.20	5.0
Compaq Programmable Keys	1.1 Rev E-1	1.10 Rev D	1.10 Rev A
Microsoft Internet Explorer <sup>8</sup>	4.01	4.01	4.0
MSDOS Real Mode Support	2.0 Rev D-1	1.00 Rev D	1.00 Rev C
Non-DDC Monitor Configuration Utility <sup>9</sup>	1.00 Rev C	1.00 Rev C	1.00 Rev B
True Flash File System	1.0 Rev A-2	1.00 Rev A	1.00 Rev A
Compaq System Enhancements <sup>10</sup>	2.1 Rev D-5	2.00 Rev C	2.00 Rev C
Carbon Copy Host	5.00 Rev A	5.00 Rev A	4.10 Rev A

Table 4 - Software Enhancements for Windows 98

File Name	Version	Platforms Supported	Languages	Description	Target Directory
CPQPSE.INF	4/13/98 1999 bytes	All	US	Allows Armada docking stations to be recognized by Windows 98.	<win>\INF <cabs>
LOGO.SYS	7/28/98 127K bytes	All	US	Compaq Logo	<root>
ACPI.SYS	beta	All (except 4100 - 4200)	US		
CONFIGMG.VXD	beta	All	US		

Category	File	Comment
QFE <sup>11</sup>	FLOPUPD2.EXE	Plug and Play support for floppy drive
QFE	IOSYSUP.EXE	Reduces HIMEM.SYS footprint in EMEA systems
QFE	PCCARD.VXD	Fixes resume on ring, zoom video, problems with suspend/resume and SCSI cards
QFE	PCI.VXD	Fixes TDK Ethernet CardBus configuration problems
QFE	PCIMP.PCI	Multiple IDE controllers when docked
QFE	RMM.PDR	Fixes IOS protection errors
QFE	SYSDM.CPL	Fixes problem updating drivers
QFE	VJOYD.VXD	Fixes version conflict messages
QFE	W95FILUP.EXE	Year 2000 fix for File Manager
INF Update	CPQPSE.INF	Description file for Armada systems and chipsets
INF Update	LOGO.SYS	Cloud bitmap with COMPAQ logo

<sup>7</sup> Referred to as Compaq Intelligent Manageability in the White Paper titled *Armada 7800 Software Overview*.

<sup>8</sup> Internet Explorer 4.0 was previously pre-loaded. Windows 95 OSR2.5, Internet Explorer 4.01 is pre-installed.

<sup>9</sup> Also referred to as the External CRT Configuration Utility.

<sup>10</sup> See the Windows 95 Software Enhancements table for more detailed information about the Compaq System Enhancements for Windows 95.

<sup>11</sup> QFE stands for Quick Fix Engineering.



Category	File	Comment
INF Update	MACHINE.INF	Support for COMPAQ specific hardware
INF Update	MSHDC.INF	Support for COMPAQ IDE controllers
INF Update	PCMCIA.INF	Support for T11220 and T11250 CardBus controllers
INF Update	INFRARED.INF, MSIRPORT.INF & MSPORTS.INF	Enables infrared hardware
Registry Update	CDROM4X.REG	Change CD speed to maximum
Registry Update	DMAHDC.REG	Enable DMA for hard drive
Registry Update	MOBILE.REG	Modify caching for mobile systems

**NOTE:**

*In this White Paper, all references to Microsoft Windows NT 4.0 should be taken to mean Windows NT Workstation 4.0.*

## Windows NT 4.0

**Table 5 - Windows NT 4.0 Software Component Version Comparison**

Software Component	Pre-install Refresh # 2	Pre-install Refresh # 1	Base Pre-install
Display Driver for Windows NT 4.0	3.25 Rev D-1	3.25.10a Rev A	3.25.10a Rev A
Compaq Diagnostics (Operating System Independent)	10.32 Rev B-1	10.24 Rev A	10.24 Rev A
Compaq Intelligent Manageability Insight Agents for Windows NT 4.0	4.20 Rev D-1	3.51 Rev E	3.50 Rev B
CardWare® for Windows NT 4.0	2.11 Rev F-2	2.11 Rev A	2.11 Rev A
Compaq F10 Setup (Operating System Independent)	2.01 Rev F-1	2.01 Rev C	2.01 Rev B
Compaq Diagnostics for Windows NT 4.0	2.01 Rev A-1	2.00 Rev A	1.11 Rev A
Compaq Armada NetFlex 3 Network Support	2.00 Rev A	2.00 Rev A	2.00 Rev A
Compaq Security Extensions for Windows NT 4.0	1.1 Rev G-2	1.10 Rev F	1.10 Rev C
ESS Audio Drivers for Windows NT 4.0	2.01 Rev B-4	2.01.07 Rev A	2.00.92 Rev A
Microsoft Internet Explorer for Windows NT 4.0	4.01	4.01	4.0
Compaq Multibay Swapping Support for Windows NT 4.0 with Service Pack 3	4.0 Rev C-1	3.10 Rev B	3.10 Rev B
Microsoft Service Pack for Windows NT 4.0	3.00	3.00	3.00
Compaq Power Management for Windows NT 4.0 with Service Pack 3	2.30 Rev D-2	2.20 Rev B	2.20 Rev B
Compaq Programmable Keys for Windows NT 4.0	1.1 Rev E-1	1.10 Rev D	1.10 Rev B
Compaq System Enhancements for Windows NT 4.0 <sup>12</sup>	1.0 Rev C-1	1.00 Rev B	1.00 Rev A

<sup>12</sup> See the Windows NT 4.0 Software Enhancements table for more detailed information about the Compaq System Enhancements for Windows NT 4.0. [PRT006B/0199]

**Table 6 – Windows NT 4.0 Software Enhancements**

Category	File	Comment
QFE <sup>13</sup>	SCSIPOINT.SYS	Use SP2 version to fix Compaq Insight Management Agent blue screen problem
Registry Update	CDROM4X.REG	Change CD speed to maximum
Registry Update		Alter installation sub-directory to C:\I386
Registry Update		Enable DMA for hard drive
Registry Update		Turn off CD-ROM AutoRun feature
Registry Update		Alter PCMCIA IRQ map to prevent IRQ15 from being assigned

<sup>13</sup> QFE stands for Quick Fix Engineering.